# D&K PRODUCTS

2026



DES MOINES • BETTENDORF • CEDAR RAPIDS • OMAHA • QUINCY • SIOUX FALLS

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# THANK YOU TAB SPONSORS!

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**PLANT FOOD**
PLANT FOOD COMPANY, JEFF KNAPP

**EARTHWORKS**
EARTHWORKS, KIRK CASTNER

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**MISCELLANEOUS**
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# FERTILIZER



EC GROW

# PRO

FERTILIZER PRODUCTS

## LEP LABOR EFFICIENT PROGRAMS

**DO MORE WITH LESS**

- *Spend more time time on activities that positively affect your bottom line*
- *Reduce Labor Expenses by Decreasing the Amount of Fertilizer Applications At A Property*
- *Protect Your Investment By Applying Controlled-release Nitrogen And Minimize The Chance For Leaching, Runoff And Volatility*

## EPEC

***Controlled-Release Fertilizer***

- Nutrient release longevities for 60, 90, 120, and 180 days
- Blended longevities allow for fewer applications at a property while still delivering healthy turf that customers demand
- Environmentally responsible with lower potential for nutrient leaching, denitrification, runoff, or volatilization

## AWARD

**TURF FERTILIZER**

## CAD

## Simp1ify® PRO

***Single Application Fertilizer***

## QUALITY CONTROL



IN-HOUSE RAW MATERIAL SCREENING



EPEC® DIFFUSION TESTING



OFF-LOAD DUST SUPRESSION

Quality

## SETTING THE INDUSTRY STANDARD

# IGNITION FERTILIZERS

***PLEASE CALL FOR CURRENT PRICING

| PRODUCT | SGN | PESTICIDE |
|---|---|---|
| **DIMENSION PREEMERGENT AND FERTILIZER COMBINATIONS** | | |
| IGNITION 12-0-4 40% EPEC 60 DAY | 220 | .125 DIMENSION |
| IGNITION 15-0-6 35% EPEC 60 DAY | 220 | .10 DIMENSION |
| IGNITION 17-0-0 25% EPEC 60 DAY | 220 | .15 DIMENSION |
| IGNITION 17-0-4 10% AMS, 30% EPEC 60 DAY | 220 | .17 DIMENSION |
| IGNITION 18-0-18 50% EPEC 90 DAY | 150 | .125 DIMENSION |
| IGNITION 19-0-6 40% EPEC 60 DAY | 220 | .125 DIMENSION |
| IGNITION 20-0-5 100% RXN | 220 | .125 DIMENSION |
| IGNITION 24-0-10 40% EPEC 60 DAY | 220 | .15 DIMENSION |
| IGNITION 35-0-7 95% EPEC 180 DAY | 220 | .10 DIMENSION |
| IGNITION 37-0-5 95% EPEC SIFI | 220 | .15 DIMENSION |
| **BARRICADE PREEMERGENT AND FERTILIZER COMBINATIONS** | | |
| IGNITION 13-0-2 20% EPEC 60 DAY | 220 | .38 BARRICADE |
| IGNITION 14-0-4 25% EPEC 60 DAY | 220 | .43 BARRICADE |
| IGNITION 18-0-4 40% EPEC 60 DAY | 220 | .43 BARRICADE |
| IGNITION 18-0-5 5% EPEC 60 DAY | 220 | .38 BARRICADE |
| **SPECIALTY PREEMERGENT AND FERTILIZER COMBINATIONS** | | |
| ANDERSONS 10-3-10 65% MUTECH | 100 | .164 DIMENSION |
| ANDERSONS 21-22-4 STARTER | 125 | MESOTRIONE |
| **CAD - ACELEPRYN + DIMENSION PREEMERGENT AND FERTILIZER COMBINATIONS** | | |
| IGNITION 19-0-19 90% EPEC 4 MONTH | 150 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 19-0-19 90% EPEC 4 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 19-0-4 50% EPEC 2 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 20-0-10 90% EPEC 4 MONTH | 150 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 26-0-5 90% EPEC 3 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 32-0-5 81% EPEC 4 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 32-0-5 90% EPEC 6 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| IGNITION 35-0-5 90% EPEC 6 MONTH | 220 | .058 ACELEPRYN /.15 DIMENSION |
| **LEP LABOR EFFICIENT PROGRAM FERTILIZERS** | | |
| IGNITION 30-0-6 80% EPEC 3 MONTH | 220 | .38 BARRICADE |
| IGNITION 29-0-5 80% EPEC 3 MONTH | 220 | .15 DIMENSION |
| IGNITION 35-0-7 95% EPEC 6 MONTH | 220 | .10 DIMENSION |
| IGNITION 26-0-10 80% EPEC 3 MONTH | 220 | |
| IGNITION 32-0-8 95% EPEC 6 MONTH | 220 | .067 ACELEPRYN |
| IGNITION 26-0-4 80% EPEC 3 MONTH | 220 | .20 MERIT |
| **ACELEPRYN FERTILIZER COMBINATIONS** | | |
| IGNITION 0-0-7 | 220 | .067 ACELEPRYN |
| IGNITION 15-0-5 25% EPEC 60 DAY | 220 | .067 ACELEPRYN |
| IGNITION 20-0-8 50% EPEC 60 DAY | 220 | .067 ACELEPRYN |
| **MERIT FERTILIZER COMBINATIONS** | | |
| IGNITION 15-0-0 20% EPEC 60 DAY | 220 | .20 MERIT |
| IGNITION 20-0-10 50% EPEC 60 DAY | 220 | .20 MERIT |
| IGNITION 20-0-3 40% EPEC 60 DAY | 220 | .20 MERIT |
| IGNITION 0-0-7 | 220 | .20 MERIT |
| **BROADLEAF AND FERTILIZER COMBINATIONS** | | |
| ANDERSONS 16-0-8 | 220 | ESCALADE |
| IGNITION 20-0-8 | 220 | Q-3 |
| **BLENDED STRAIGHT FERTILIZER BLENDS - 220 SGN** | | |
| IGNITION 6-24-24 DOT BLEND | | |
| IGNITION 13-13-13 AMS, MICROS, 1% MG | | |
| IGNITION 19-19-19 ALL MINERAL | | |
| IGNITION 20-0-20 80% EPEC 90 DAY, 5% AMS, 2% FE | | |
| IGNITION 21-0-21 75% EPEC 60 DAY, 2% FE | | |
| IGNITION 22-0-3 40% EPEC 60 DAY | | |
| IGNITION 24-5-10 50% EPEC 60 DAY, 17% AMS, 3% FE | | |
| IGNITION 29-0-3 50% EPEC 60 DAY | | |
| IGNITION 33-0-5 100% RXN, 2% FE | | |
| IGNITION 34-0-9 95% EPEC 120 DAY | | |
| IGNITION 35-0-10 95% SIFI EPEC 180 DAY | | |
| IGNITION 40-0-6 25% EPEC 60 DAY | | |

# BLENDED FERTILIZERS

## ***PLEASE CALL FOR CURRENT PRICING

| PRODUCT | SGN | ADDITIVES |
|---|---|---|
| **BLENDED STRAIGHT FERTILIZER BLENDS - 150 SGN / SOP** | | |
| ANDERSONS 18-24-5 CONTEC DGSTARTER | 150 SGN | |
| IGNITION 29-0-10 35% EPEC 60 DAY MINI | 150 SGN | |
| IGNITION 20-0-20 35% EPEC 90 DAY | 150 SGN | ARMAMENT ROOT ENHANCER |
| **BLENDED ORGANIC AND SYNTHETIC FERTILIZERS** | | |
| IGNITION 13-0-5 BIOSOLIDS | 220 SGN | .28 BARRICADE, 25% EPEC |
| IGNITION 18-0-15 BIOSOLIDS | 220 SGN | AMMONIUM SULFATE, SOP, MN |
| IGNITION 28-0-3 BIOSOLIDS | 220 SGN | 35% RXN |
| **BLENDED FERTILIZERS WITH HUMIC ACID** | | |
| ANDERSONS 9-12-6 WITH SMARTPHOS | 240 SGN | 37% HCU, 36% BLACK GYPSUM |
| ANDERSONS 22-0-4 WITH HCU | 240 SGN | 50% HCU, 43% BLACK GYPSUM |
| ANDERSONS 20-0-0 HCAS | 240 SGN | 23% SULFUR, 2% HUMIC ACID |
| ANDERSONS 20-0-0 HCAS | SOLUBLE | 23% SULFUR, 2% HUMIC ACID |
| ANDERSONS 44-0-0 HCU | 215 SGN | |
| ANDERSONS BLACK GYPSUM | 75 SGN | 21% HUMIC ACID |
| ANDERSONS BLACK GYPSUM | 240 SGN | 21% HUMIC ACID |
| ANDERSONS GENESIS RX 5-7-5 | 75 SGN | 21.5% HUMIC DG, 49% MUTECH |
| ANDERSONS HUMIC DG | 75 SGN | 70% HUMIC ACID |
| ANDERSONS HUMIC DG | 240 SGN | 70% HUMIC ACID |

# CONTEC DG BY THE ANDERSONS

Contec DG combines premium turf nutrients and our patented Dispersing Granule Technology into a homogenous granule designed to optimize granular applied turf nutrition.

**Enhanced Nutrient Distribution • Patented Dispersing Granule Technology**
Upon contact with water, each granule disperses into thousands of micro particles that quickly move through the turf canopy into the root zone.

## ***PLEASE CALL FOR CURRENT PRICING

| **GREENS GRADE SGN 75 CONTEC DG Products** | | **40 LB. BAG** |
|---|---|---|
| 0-0-12 Mag-tec | 24% Mg | K-Mag |
| 0-0-13 Kal-tec | 9.2% Ca L-amino acids | K-Mag/SOP |
| 12-24-8 Starter | 50% MUtech | SOP |
| 13-0-26 | 100% MUtech | SOP |
| 15-0-15 | 50% MUtech | SOP |
| 19-0-15 | 100% MUtech & Micros | K-Mag/SOP |

| **GREENS GRADE SGN 75 CONTEC DG Products** | | **40 LB. BAG** |
|---|---|---|
| 12-3-12 Amm. Sulfate | L-amino acids | SOP |
| 17-0-17 | 50% MUtech | SOP |
| 18-9-18 | 60% MUtech | SOP |

| **BLENDED GREENS FERTILIZERS 100 SGN** | | **50 LB. BAG** |
|---|---|---|
| 13-2-13 Amm. Sulfate | | |
| 14-28-10 Greens Starter | 50% MUtech | |
| 18-6-15 | 65% MUtech | |
| 22-0-22 | 65% MUtech | |

| **BLENDED TEES AND FERTILIZERS 125 SGN** | | **50 LB. BAG** |
|---|---|---|
| AGC 16-4-8/Amm. Sulfate | | |
| AGC 25-5-15/Nutralene | 50% MUtech | |



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## ***PLEASE CALL FOR CURRENT PRICING

### BLACK GYPSUM DG
**Available in Greens Grade and Regular Grade**



Black Gypsum DG is a unique bio-amendment that combines natural dihydrate gypsum and humate into a homogenous dispersing granule (DG). The DG microparticles enhance nutrient availability with direct delivery of key nutrients to the plant.

**Features and Benefits of Black Gypsum DG:**
- Dual carbon sources are unique to DG humic products
- Contains a complete spectrum of humic substances, as compared to liquid humic acids
- Soluble calcium sulfate dihydrate (12% calcium, 8.9% sulfur)
- Combines two naturally occurring products (gypsum and humate), enhancing the plant's ability to take in essential nutrients and reducing toxic elements in the soil
- Blends with all fertilizers, including urea
- Improves the ability to handle (what are typically) hard to handle soil amendments (gypsum and humate)

RATE: 130-520 lbs./acre *50 lb. bags*

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### FOLTEC SG
**24-0-8 • 8-24-8 • 8-0-24 • 16-0-16 • Minors**



Foltec® SG is an innovative foliar nutrient technology from The Andersons. Designed to be different, Foltec SG will change the way Superintendents and Turfgrass Managers think about complex foliar nutrition programs. Unlike industry standard liquid fertilizers consisting of numerous formulations and packaged in cumbersome plastic jugs, Foltec SG is a proprietary combination of dry soluble granules (SG) that quickly solubilize in the spray tank. This combination of soluble granules creates a complete nutrition product that reduces the need for a complex tank mix using a wide variety of products. Each Foltec SG product contains a specific N-P-K ratio along with essential micronutrients, UltraMate SG and sea plant extract. Foltec SG is formulated in four of the most widely used agronomic N-P-K ratios. High N: **24-0-8**, High P: **8-24-8**, High K: **8-0-24 and the new 16-0-16**. These formulas can be easily combined to create your preferred N-P-K ratio. RATE: 13.6 lbs./acre *3 x 13.6 lbs. per case*

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### HUMIC DG
**Available in Greens Grade and Regular Grade**



Humic DG is a dispersing granule humic acid product, utilizing The Andersons patented Dispersing Granule (DG) Technology. Humic DG contains 70% humic acid and 10% humic acid precursor. DG Technology creates a dust free, spherical, ultra-dry particle that rapidly disperses into thousands of microparticles upon contact with moisture. Humic DG's increased surface area, when compared to screened humate, creates greater availability to the plant. Humic DG performs in a wide range of conditions and soil types, independent of application method. RATE: 40-200 lbs./acre *40 lb. bags*

### HUMIC COATED UREA
**44-0-0, 215 SGN**



HCU (Humic Coated Urea) granules are an innovative nitrogen source featuring urea-humate fusion. This proprietary technology produces a cost effective 44-0-0 nitrogen granule that is bonded with potassium humate. Clean, spherical, free flowing granules are 100% soluble for use in both liquid and dry applications. HCU granules can be applied to all types of cool and warm season turf, landscape and nursery ornamentals, and specialty crops. HCU granules offer a sensible, sprayable/spreadable, and sustainable approach to applying nitrogen with important soil and plant health benefits that traditional nitrogen sources cannot provide. *50 lb. bag*

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### HUMIC COATED AMMONIUM SULFATE
**20-0-0, SPRAYABLE OR SPREADABLE**



Improving on an industry standard, Humic Coated Ammonium Sulfate (HCAS) combines ammonium sulfate granules and humic acid to create an ideal nitrogen source for the cooler months of the growing season, when green-up and growth are crucial. *Spreadable - 50 lb. bag, Sprayable - 25 lb bag*

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### SMARTPHOS DG 4-22-0
**Available in Greens Grade**



Season-long feeding with high efficiency, recycled phosphorous

- Contains "Struvite" a unique combination of recycled phosphorous and magnesium
- Season-long phosphorus feeding
- Safe for use on seedlings and established plants and turf
- Use SmartPhos DG at half the rate of traditional starter fertilizers and get the same results

RATE : 2.3-7 lbs./1000 sq.ft. *40 lb. bag*

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### ULTRAMATE SG



UltraMate SG is a highly-concentrated, sulfonated-soluble granule (SG) formulation of sulfonated potassium humate. UltraMate SG granules are uniform, easy to handle and easy to mix. These granules dissolve rapidly into solutions with pH ranging from 2-12 to provide maximum flexibility for tank mixes or single application. It contains a combination of fulvic and humic acids, which allows plants to utilize applied N, P and micro-nutrients more efficiently. It reduces leaching and improving soil structure.

**Features and Benefits of UltraMate SG:**
- Highly-concentrated soluble granule containing 70% humic acid
- 1.6 lbs. of UltraMate SG is equivalent to 1 gal. of 12% liquid humic acid
- Dissolves rapidly in fertilizer solutions and water-based tank mixes ranging from pH 2-12
- Contains a combination of fulvic and humic acids, along with 14% potassium and 6% sulfur
- Can be applied through a wide range of application methods, including sprayers, drip irrigation, fertigation and in furrow
- Easy to handle and cost-effective; provides up to 80% savings in freight and storage versus conventional liquid humic acid products
- One ton of UltraMate SG is roughly equivalent to six 250 gallon totes of 12% liquid humic acid

RATE: 8-54 oz./acre *2 x 6 lb. case or 30 lb. bag*

# NUTRICULTURE

Nutriculture spoon-feeding fertilizers provide readily available nutrients with immediate and controllable results. When an application is made, results will be only a matter of hours. Over 95% of nutrients in Nutriculture are absorbed and will be utilized over a 5-10 day period. No nutrients are tied up in the soil, and there is no excess to create environmental problems. Spoon-feeding will provide a fast green-up without creating excessive top growth or uncontrolled "flushing." There is no disruption of play. No unsightly granules to get picked up by mowers or tracked on shoes and clothing. It encourages strong, healthy root and blade development, which deters fungus and insect invasion. Turf will stand up better to stress and recover faster from traffic.

**Nutriculture 28-8-18 Bent Special**
**$ 52.00 bag**




This all water-soluble fertilizer is specially-formulated for use on golf courses, athletic fields, and other areas where turf is intensely cultivated. It provides both major and minor elements to maintain turf in high traffic areas. It will provide immediate, but gentle nourishment in a form of application that can overcome and bypass other nutrient complications due to soil problems. Because amounts applied are tuned to turf's immediate needs, there is no runoff or other environmental problems. May be applied in solution by irrigation or any conventional ground rig, by an injector/proportioner through sprinkler systems, and may be applied in combination with most insecticides, herbicides and fungicides. RATE: 7.14 oz./1000 sq.ft. = 1/8 lb. N
*25 lb. bag*

**Nutriculture 20-20-20 General Purpose**
**$ 58.00 bag**




This all water-soluble fertilizer is specially-formulated as a general purpose feed for use on ornamental plants, small shrubs, fruits and vegetables, and other intensely cultivated crops. It is formulated to provide both major and minor elements. It will provide immediate, but gentle nourishment in a form of application that can overcome and bypass other nutrient complications due to soil problems. Because amounts applied are tuned to the plant's immediate needs, the grower retains better control of his crop's nutrition. May be applied in solution by irrigation or any conventional ground rig, by an injector/proportioner through sprinkler systems, or in combination with most water-based insecticides, herbicides and fungicides. RATE: 5-10 lbs./acre for most applications *25 lb. bag*

**Nutriculture 12-31-14 Flower**
**$ 57.00 bag**




The flagship product of the Nutriculture line, this formulation is designed for use on all types of ornamental plantings, with the focus on those that bloom or flower. Apply solution liberally to base of plants, soaking the root area. For potted plants and hanging baskets etc., apply enough to create drainage through the pot. Wet foliage for fast-acting leaf feeding. Repeat applications every week to 10 days apart. This is an excellent general purpose fertilizer that is especially effective on flowering and fruiting plants. Also excellent as a starter feed for all varieties and can help wilting in the transplant operation, without burning. May be applied in solution by a bucket, sprinkler can, hose end garden sprayer, backpack sprayer, proportioner through sprinkler systems, by irrigation or any conventional ground rig and may be applied in combination with most insecticides, herbicides and fungicides. RATE: Outdoor plants - mix one tablespoon/gallon of water. Indoor plants - mix one teaspoon/gallon of water. *25 lb. bag*

**Nutriculture 16-45-7 Hydroseed Starter**
**$ 72.00 bag**

This Nutriculture formula is specially designed as a starter solution which promotes faster seed germination and root development on seeds and transplants, without burning. RATE: Starter solution: Use 3 lbs. of Seed Starter Special 16-45-7 in 50 gallons of water. For smaller quantities, dissolve two tablespoons in one gallon. Keep seeded areas moist until germination. Use as a watering-in solution on transplants. Hydro-seeding rates of coverage: use 75-150 lbs./acre in enough water to insure even coverage, or if coverage in sq. ft. per tank load is known use the following formula: square feet of coverage per tank load x .0017 to .0035 = lbs. of fertilizer needed per tank load.
*25 lb. bag*

# ORGANIC-BASED FERTILIZERS

**MILORGANITE 6-4-0 2.5% Fe**
**Available in Professional Grade**
**Please Call for Current Price**




Milorganite is one of the oldest branded fertilizers on the market. It's composed of heat-dried microbes that have digested the organic matter in wastewater. Milorganite is manufactured by the Milwaukee Metropolitan Sewerage District. The District captures wastewater from the metropolitan Milwaukee area, including local industries such as MillerCoors. Using large-scale processes that mimic nature, microbes digest the nutrients found in the water. The cleaned water is returned to Lake Michigan while the microbes are kiln-dried into small pellets. So Milorganite is actually a bag of dried microbes! At least 60% of the nitrogen in Milorganite is water-insoluble and is delivered to the roots through microbial activity in the soil, but the conditions need to be right. Microbial activity occurs when soil moisture is adequate and soil temperatures are 55–85 F. The microbes break down the nutrients from Milorganite making them available to plants. When conditions aren't favorable, Milorganite's nutrients stay right where they are until there's enough water and the temperature is within range. RATE: 4-7 lbs./1000 sq.ft. *50 lb. bag*



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# LEBANONTURF

LebanonTurf stands out as the only company in the industry offering both microbiological components along with advanced controlled release fertilizer products delivered as part of an integrated systems approach to turf and plant care needs.

***PLEASE CALL FOR CURRENT PRICING

**INSECT CONTROL BLENDS**

| | | | |
|---|---|---|---|
| 17-0-5 | PROSCAPE 30% PCU, .067 ACELEPRYN, .167 DIMENSION | 220 SGN | 50 LB BAG |
| 20-0-5 | PROSCAPE 30% MESA, .067 ACELEPRYN | 220 SGN | 50 LB BAG |
| 25-0-5 | PROSCAPE 51% MESA, 100% EXPO, .067 ACELEPRYN, .167 DIMENSION | 220 SGN | 50 LB BAG |

**BLENDED STANDARD SIZE FERTILIZERS**

| | | | |
|---|---|---|---|
| 12-15-10 | PROSCAPE 12-15-10 STARTER, 30% MESA, 36% BIOS | | 50 LB BAG |
| 16-2-3 | E-BLEND 60% MESA, 50% BIOSOLIDS | 220 SGN | 50 LB BAG |
| 25-0-5 | PROSCAPE 51% MESA, 1% FE | 220 SGN | 50 LB BAG |

**COUNTRY CLUB GREENS FERTILIZERS**

| | | | |
|---|---|---|---|
| 12-24-8 | COUNTRY CLUB MD STARTER, 40% METH-EX, SOP | 80 SGN | 40 LB BAG |
| 14-7-14 | COUNTRY CLUB MD 70% METH-EX, SOP, 2% FE, 1.5% MG, 1% MN | 80 SGN | 40 LB BAG |
| 16-0-8 | COUNTRY CLUB MD AMMONIACAL, SOP, 1%FE, 1% MG, .5% MN | 80 SGN | 40 LB BAG |
| 18-3-18 | COUNTRY CLUB IV 78% METH-EX, SOP, 1.5% FE, .65% MG, .5% MN | 80 SGN | 40 LB BAG |
| 18-9-18 | COUNTRY CLUB IV 78% METH-EX, SOP, .5% FE, .5% MG, .28% MN | 80 SGN | 40 LB BAG |

**ROOTS PLANT SAVER**
**$ 135.00 per pail**




ROOTS Plant Saver is a combination product used for potted plants and planters. Plant Saver is designed to improve soil fertility and address the long-term mineral requirements common to many plants. It increases absorption of water and soluble nutrients. It provides beneficial bacteria and mycorrhizal fungi that promote sustainable soil fertility. It provides basic fertilizers and micronutrients necessary for active plant development. RATE: Thoroughly mix product into backfill at a rate of 8 ounces of Roots Plant Saver per caliper inch or for each foot diameter of root ball. See label for details. *42 lb. pail*

**ROOTS TREE SAVER**
**$ 457.00 per pail**




ROOTS Tree Saver is specifically designed to reduce transplant stress while improving soil hydration and fertility. It's applied to the root zone of trees and shrubs at planting. Five species of mycorrhizal fungi and six species of beneficial bacteria are packed into this formula to improve plant nutrition and provide sustainable soil fertility. It helps reduce transplant shock and loss rates. It helps plants mitigate adverse environmental stresses such as drought, salinity and extremes of soil pH. RATE: Mix with backfill at planting. Follow application rates based on the diameter of the planting hole, or on stem caliper according to the label chart *150 x 3 oz pail*

# RAW MATERIALS

***PLEASE CALL FOR CURRENT PRICING

**UREA 46-0-0**
Available in either a prilled pellet to melt down and spray or a basic 220 granular to spread. Urea is a 100% quick-release source of nitrogen. RATE: 50 lb. bag treats 46,000 sq. ft. at 1/2 lb. Nitrogen *50 lb. bag*

**MAP 10-50-0**
Monoammoniam Phosphate for phosphorus deficient soils or as a low-salt starter fertilizer. Available in 150 SGN Mini Grade. RATE: 50 lb. bag treats 25,000 sq. ft. at 1 lb. of Phosphorus *50 lb. bag*

**K-MAG 0-0-22 (Sol - Po - Mag)**
K-Mag also known as sulfate of potash-magnesia contains 22% soluble potash, 22% sulfur and 11% magnesium. A quick-release source of potassium, Sul-Po-Mag also makes a good addition to soils that lack sulfur. RATE: 5-10 lbs./1000 sq. ft. *50 lb. bag*

**SOP 0-0-50**
Sulfate of Potash is a dual-nutrient fertilizer containing 50% potash and 18% sulfate. Available in a sprayable, Mini Granular or a Greens Grade. RATE: 50 lb. bag treats 25,000 sq. ft. at 1 lb. Potassium *50 lb. bag*

**Ammonium Sulfate 21-0-0-24S**
A quick-release Nitrogen source with 24% Sulfur for quick green-up. Available in a mini-granular or a sprayable. Should not be used during times of heat and drought stress. RATE: 50 lb. bag treats 48,000 sq. ft. at a 1/4 lb. Nitrogen *50 lb. bag*

**SULFUR 90%**
Why is sulfur important to turfgrass? In the absence of sulfur, turfgrass exhibits a chlorosis that frequently occurs as an intense yellow color. In mild cases, one may think of nitrogen deficiency or even iron deficiency. Available in a Greens Grade as well as a Regular Grade. RATE: 2-3 lbs./1000 sq. ft. *50 lb. bag*

**UMAXX 46-0-0**
UMaxx is the stabilized nitrogen formulation with 12-16 weeks of stabilized feeding to the turf. UMaxx can be spread in its original form, sprayed by dissolving in water or blended in a fertilizer blend as all or part of the nitrogen source. UMaxx is formulated with a unique inhibitor that blocks urease. This helps minimize nitrogen loss to the atmosphere and provides time for rainfall and irrigation to effectively transport nitrogen to the root zone for plant utilization. RATE: 50 lb. bags will treat 100,000 sq. ft. at .25 lb. N *50 lb. bag*

**UFLEXX 46-0-0**
Uflexx is the stabilized nitrogen formulation from Koch with 6-8 weeks of stabilized feeding to the turf. Uflexx can be spread in its original form, sprayed by dissolving in water or blended in a fertilizer blend as all or part of the nitrogen source. RATE: 50 lb. bags will treat 100,000 sq. ft. at .25 lb. Nitrogen *50 lb. bag*

# GRIGG BROTHERS NUTRITION




**FOLIAR NUTRITION** is the most economical and effective way, providing that the nutrients are in a usable form as are Grigg Brothers products. Foliar applications of nutrients in this usable form eliminate the problems of soil fixation, or tie up of micro or macro nutrients, provided they are properly chelated. ***Why Foliar Feed your turf?*** Foliar feeding provides optimum use efficiency for overall reduced nutrient inputs. You get a better response with a poor root system, better response without optimum soil PH, and good results with the plant under stress. It eliminates the possibility of nutrient soil fixation or tie up. It requires lower overall nutrient inputs because of increased efficiency. Foliar feeding enhances pesticide performance, with less nutrients leached past the root system (especially with sand-based greens). It is more economical and effective.

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**GARY'S GREEN 18-3-4 + Fe + MICROS**
**$ 49.00 per gallon**

Gary's Green is the flagship of GRIGG's Proven Foliar Nutrient line – offering the ultimate in quality, performance and compatibility. It contains three sources of nitrogen, potassium, phosphorus and a micronutrient package. It improves turf color response, density and vigor. It is widely used as a primary source of N for effective 'spoon feeding' in turf nutrition programs. RATE: 3-8 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**GARY'S GREEN ULTRA 14-2-3 + Fe + MICROS**
**$ 53.00 per gallon in 2.5 gallons**
**$ 2,600.00 per 55 gallon drum ***CLOSEOUT PRICE**

By popular request, Grigg Brothers combined the two foundation products of Gary's Green and Ultraplex. The blend is 2/3 Garys Green and 1/3 Ultraplex. It contains three sources of nitrogen, potassium, phosphorus and a micronutrient package. It Improves turf color, density and vigor. It is an important component of most GRIGG foliar nutrition programs. RATE: 6-12 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**PK PLUS 3-5-18 + 14% PHOSPHITE**
**$ 69.00 per gallon**

P-K PLUS is a multi-nutrient formulation that contains 17% potassium, two sources of phosphorus (phosphate and phosphite), two sources of nitrogen and a micronutrient package. It is an excellent option for spring green up and winter turfgrass preparation. P-K PLUS provides phosphate for plant health and root encouragement, potassium for cell strength and rigidity, and micronutrients. It promotes turfgrass color, strength and vigor. RATE: 6 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**SIL-KAL-B 8-0-4 10%Ca+Si+B**
**$ 62.00 per gallon in 2.5 gallons**

Sili-Kal B is a multi-nutrient formulation thatcontains two sources of soluble nitrogen, potassium, 10%calcium, and boron. It improves turf strength and vigor. It is also an excellent option for turf in sand-based root zones, which tend to be low in available calcium. Sili-Kal B provides for increased plant strength, heat tolerance, and turf rigidity.
RATE: 3-7 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**SUPREMA 12-0-12 + MICROS**
**$ 47.00 per gallon**

Suprema is a multi-nutrient formulation that contains 12% nitrogen, 12% potassium and amino acid complexed iron, manganese and zinc. It is an excellent option for zero phosphorus fertilizer programs. Suprema is a one to one ratio of nitrogen to potassium for balanced inputs and micronutrients for optimum growth and health.
RATE: 3-6 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**TUFF TURF 1-0-14 +Si + MICROS**
**$ 67.00 per gallon**

Tuff Turf is a multi-nutrient formulation that contains 14% potassium, two forms of nitrogen, amino acid complexed magnesium and iron. It is an excellent tool for improving turf strength, vigor and color. Tuff Turf provides increased green speed, turf blade hardening and rigidity, color and quick ball mark, traffic recovery and cold weather tolerance.
RATE: 3-8 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**Ultra Plex 4-0-3 + 2% Fe + MICROS**
**$ 62.00 per gallon**

Gary's Green is the foundation, Ultraplex is the key to the front door. Ultraplex is a combination of macro and micronutrients, plant and root promoting stimulators, and plant and soil wetting agents. Do not use any Grigg Brothers product without tank mixing with Ultraplex, with the exception of Gary's Green Ultra. RATE: 3-6 oz./1000 sq.ft.
*2 x 2.5 gallons/case*

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PRICES ARE 2026 ESTIMATED PRICES FOR BUDGETING PURPOSES. PLEASE CALL YOUR D & K REPRESENTATIVE FOR A FIRM QUOTE.
ALWAYS READ AND FOLLOW LABEL DIRECTIONS

# PLANT FOOD COMPANY






# PLANT FOOD COMPANY, INC.

"American -Made and Family-Owned"

**.30 CAL, 30% LIQUID CALCIUM**
**$ 69.00 per gallon**



.30 Cal 30% Liquid Calcium provides a high calcium concentration of calcium acetate and calcium carbonate that combines immediately available calcium with a longer, gradual calcium release. Calcium is essential for cell wall formation; stimulating roots and leaf formation; and neutralizing organic acids. The available calcium from .30 Cal will displace soil-binding sodium. RATE: See label for details. *2 x 2.5 gallons/case*

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**17-2-7 72% SRN**
**$ 760.00 per 55 gallon drum**

17-2-7 with 72% SRN and Micronutrients is a great formulation for maintaining the heath, vigor and color of your turfgrass. The stabilized nitrogen provides long-lasting release which results in extended turf response. 17-2-7 is compatible with most technical materials when tank-mixed with adequate water volume. Since the product is designed for fairways, lawns and sports fields, is is only available in 55 gallon drums or 250 gallon totes. RATE: 3-8 gallons/acre *55 gallon drums*

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**ADAMS EARTH**
**$ 85.00 per gallon**



AdamsEarth is an organic blend of humic and amino acids, North Atlantic Ascophyllum Nodosum SeaWeed Extract (SWE), natural sugars, vitamins and other organic compounds. The organic nutrients in AdamsEarth will aid in the improvement of soil structure, rooting, and the uptake of N-P-K and minor elements. It contains several different sources of organic matter which will break down at varying times during the growing cycle, providing a longer period to aid in microbial feeding. The humic acid will assist in chelating nutrients tied up in the soil. SWE improves rooting caused by auxin, cytokinin, and gibberellen hormones. The micronutrients will aid in the correction of soil deficiencies that may be caused by imbalances due to low or high pH. RATE: 2-9 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**DKP XTRA 2-20-22**
**$ 67.50 per gallon**



DKP XTRA 2-20-22 is a uniquely balanced polymeric combination of potassium polyphosphates and polyphosphites. It contains nitrogen, phosphate, potassium and polyphosphite. It is a systemic liquid fertilizer that enhances roots while turning on the plant's natural defense mechanism. Ideal for nutrient applications that require a balanced ratio of phosphate and potassium. It is ideal for foliar and soil applications on a wide variety of warm and cool season turf varieties and can also be used as a starter fertilizer. Since DKP XTRA 2-20-22 has excellent plant uptake; it is an ideal alternative to mono-potassium phosphate and potassium nitrate with the added benefit of potassium polyphosphite that turns on the plant's natural defense mechanism. RATE: 2-9 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**FLO THRU A-PLUS**
**$ 78.00 per gallon in 2.5 gallons**



FloThru A-Plus is an acid-based penetrant that dissolves bicarbonates and frees calcium. Available soil calcium will then displace soil sodium. The penetrant "flattens" droplet beading by reducing water tension. This results in even coverage of sprays on leaf blade. The penetrant also provides even water penetration into the soil which reduces localized dry spots. The double action of FloThru A-Plus results in even spray coverage on leaf blade, faster and even water penetration into soil, and consistent soil moisture due to uniform water movement. RATE: 0.75-3.0 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**GREEN-T 6 IRON, 12-0-0**
**6% Iron, .05% Manganese 12-0-0,**
**3.3% Sulfur**
**$ 27.00 per gallon in 2.5 gallons**



Green-T® 6 Iron is an iron, manganese and nitrogen complex for prevention and correction of nutrient deficiencies. Iron and manganese are involved in photosynthetic and respiration systems. It assists chlorophyll synthesis and is used as a reaction catalyst. In turf, iron and manganese produce a deeper green leaf blade. The urea nitrogen enhances the uptake of these secondary and micro nutrients within the plant. RATE: See label for details. *2 x 2.5 gallons/case or 30 gallon drum*

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**GREEN-T 12 IRON**
**6% Iron, 2% Manganese 12-0-0,**
**.25% Magnesium & 4% Sulfur**
**$ 35.00 per gallon**



Green-T® 12-Iron is an iron, manganese and magnesium glucoheptonate chelate liquid that produces a deep green turf blade without excessive growth. The glucoheptonate chelate protects the iron, manganese, and magnesium from tying up in the soil, while allowing the micronutrients to be available to the plant. The results in turf response that is visible within 12 hours after application. Green-T 12-Iron's "3-1 ratio" of iron and manganese promotes a "natural" deep green turf for an extended period of time. Iron and manganese act as an enzyme that enhances photosynthetic and repiration systems. The urea nitrogen enhances the uptake of these secondary and mirco nutrients within the plant. RATE: 2-4 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**GREEN-T 12-3-12, 50% SRN SULFER & NUTRIENTS**
**$ 37.00 per gallon**



Green-T 12-3-12, 50% SRN is an excellent balanced nitrogen to potassium ratio fertilizer that contains a full micronutrient package. This formula is ideal for foliar and root fertilization. 50% of the available nitrogen is slow release from Triazone, while the remaining nitrogen is in the quick release form. It provides immediate plant response while the Triazone slow release nitrogen maintains the nitrogen release for an extended period of time. The micronutrients are in the EDTA chelate form which enhances their availability and allows tank mix compatibility. RATE: See label for details. *2 x 2.5 gallons/case*

**GREEN-T 29-0-0, 50% SRN**
**$ 40.00 per gallon**



Green-T 29-0-0, 50% SRN with Calcium, Sulfur & Micronutrients is a cost effective, high nitrogen formula that contains four different sources of nitrogen. The quick release ammonium nitrate, urea and ammonium thiosulfate provides rapid turf response, even in cooler weather conditions while the non-leaching, slow release triazone nitrogen provides long lasting turf response. The chelated micronutrients provide extended release since the EDTA chelates prevents them from binding with the soil while keeping them plant available longer. RATE: See label for details. *2 x 2.5 gallons/case*

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**GREEN-T HEALTHY START, 8-27-5**
**Ammonium Polyphosphate and Phosphite Solution Turfgrass Product**
**$ 53.00 per gallon**



Green-T Healthy Start 8-27-5 is a unique high polyphosphate and potassium formula with Polyphosphite. The ammonium polyphosphate and potassium stimulate rooting, increase cell wall structure, thickness and turgidity, while the polyphosphite stimulates the plant's natural defense mechanism that encourages healthier plants. Each gallon of Green-T® Healthy Start 8-27-5 contains 24 oz. of PolyPhosphite 30. Polyphosphates have natural chelating capabilities which make soil bound micronutrients more available to the plant. RATE: See label for details. *2 x 2.5 gallons/case*

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**GREEN-T IMPULSE**
**6-0-0 AMINO ACID**
**$ 64.00 per gallon**



Green-T Impulse is a proven amino acid mix and sucrose combination derived from natural stress-resistant plant complexes. It increases potassium and calcium levels within plant cell walls and improves stress tolerance while decreasing $H_2O_2$ levels. This aids in the reduction of wilt stress. It is a biologically-active nutrient source that can promote a strong healthy turf plant. Salicylic acid (SA) inside the formulation is a key molecule that stimulates the plant's natural defense mechanism against disease. SA also improves the plant's ability to uptake nutrients. RATE: 3-9 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**GREEN-T INFILTRATE-K, 0-0-29**
**Organic-Based Potassium Acetate**
**$ 54.00 per gallon**



Green-T Infiltrate-K 0-0-29 is an organic-based potassium acetate that rapidly enters the foliar tissue. Due to its low burn potential, rapid leaf absorption, high potassium plant uptake and slow drying characteristics, applications of Infiltrate-K result in safer foliar applications and less stress on the plant. Infiltrate-K aids in reducing the freezing temperature of water without undue stress to turf. Applications of Green-T® Infiltrate-K 0-0-29 in the spring and fall will reduce the incidence of morning frost for a few days after application. RATE: See label for details. *2 x 2.5 gallons/case*

**GREEN-T MAGNESIUM 4%**
**Magnesium Glucoheptonate Chelate**
**$ 54.00 per gallon**



Green-T Magnesium 4% is a chelated secondary element for prevention and correction of nutrient deficiencies. The glucoheptonate chelate of Magnesium 4% prevents the micronutrient from binding with other nutrients such as phosphate. By keeping the magnesium available for an extended period of time, the results are a long-lasting, deep green plant. RATE: See label for details. *2 x 2.5 gallons/case*

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**GREEN-T MICRO MIX GLUCOHEPTONATE CHELATE**
**Magnesium, Sulfur 1-0-0 & Micronutrients**
**$ 54.00 per gallon**



Green-T Micro Mix is an organically chelated micronutrient package. The glucoheptonate organic chelating agent encapsulates the micronutrients. This prevents the micronutrients from being held by soil particles. Micro Mix will remain available to the plant through foliar and soil applications without being tied up by soil imbalances. The minimal amount of Nitrogen helps to aid in the foliar absorption of the micronutrients. RATE: See label for details. *2 x 2.5 gallons/case*

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**GREEN-T MICRO PACK, EDTA CHELATE SOLUTION**
**$ 77.00 per gallon**



Green-T Micro Pack EDTA Chelate Solution is an extended-release blend of Micronutrients for soil health. It contains iron, manganese, zinc, copper, boron, and molybdenum.
RATE: See label for details. *2 x 2.5 gallons/case*

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**GREEN-T POLYPHOSPHITE 30, 0-0-27**
**$ 75.00 per gallon in 2.5 gallons**



The only true long-lasting potassium polyphosphite fertilizer, PolyPhosphite 30 is a pure potassium polyphosphite fertilizer solution that is manufactured in a one-step process by reacting phosphorous acid and potassium hydroxide in a patented high-temperature, rapid-cooling process that preserves the maximum amount of phosphorous in the desirable $H_3PO_3$ form. It economically feeds and protects the plant through superior phosphorous acid nutrition. It is rapidly-absorbed by turfgrass blades for maximum nutritional benefit in order to prevent and correct nutrient deficiencies and to promote disease resistance. Note: with foliar applications, phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or be utilized directly by the plant as phosphite ions. RATE: 2-6 oz./1000 sq.ft. *2 x 2.5 gallons/case or 30 gallon drum*

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**GREEN-T SUGAR CAL 10% CALCIUM CHELATE**
**$ 54.00 per gallon**



Use Green-T Sugar Cal for the prevention and correction of micronutrient deficiencies and calcium. Calcium is a major component in the development of cell wall formation and structure. Calcium also helps in regulating nutrient uptake by the roots and movement through the



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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

plant. Sugar Cal is a unique calcium source containing sorbitol, also known as mannitol, which creates sugar calcium chelate. The chelating agent encapsulates the calcium ion. When used in a program with other nutrients, Sugar-Cal makes the other nutrients more available. RATE: 3-6 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**GREEN-T SUPER MK GREEN, 18-3-4**
**Micronutrients, Vitamin Amino Acid Matrix (VAM) & Carbohydrates**
**$ 45.00 per gallon**



Green-T Super MK Green 18-3-4 is an excellent, high nitrogen fertilizer that contains a micronutrient package. This formula is ideal for foliar fertilization and offers great turf safety when applied as directed. All of the nitrogen is in the quick release form. The micronutrients are in the EDTA chelated form which enhances their availability while in the soil and allows tank mix compatibility with many other products. It is ideal to tank mix with PolyPhosphite 30 and 12 Iron. RATE: See label for details. *2 x 2.5 gallons/case*

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**HYDRATION A-PLUS**
**$ 121.00 per gallon in 2.5 gallons**



*Plant & Soil Hydrating Agent & Bicarbonate Reducer.* Hydration A-Plus provides uniform water movement and consistent plant & soil moisture, while reducing sodium and bicarbonates! This Plant & Soil Hydrating Agent dissolves bicarbonates and frees calcium. Available soil calcium will then displace soil sodium. The triple action of Hydration A-Plus results in faster water penetration into soil, consistent soil moisture due to uniform water movement, prevents LDS due to its ability to hold moisture in soils that are water repellent and dissolves bicarbonates due to the long-lasting acid. RATE: 0.75-4.0 oz./1000 sq.ft. (2-4 oz. for sodium flush) *2 x 2.5 gallons/case*

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**KELPLANT 1-0-1**
**$ 105.00 per gallon**



KelPlant® 1-0-1 contains an extract of North Atlantic Ascophyllum Nodosum SeaWeed Extract (SWE) plus Humic and Fulvic Acids. KelPlant® 1-0-1 provides added stress tolerance and root enhancement while increasing microbial activity. KelPlant® 1-0-1 relieves stress in the plant, resulting in superior quality in turf density and hardiness. The Humic and Fulvic Acids release tied-up nutrients and make them available to the plant. In addition, research has shown that SWE and Humic Acid are excellent forms of Cytokinin that promote root mass and shoot growth. RATE: See label for details. *2 x 2.5 gallons/case*

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**PHUSION KCS PLUS 0-0-18**
**10% Ca, 3% Mg, 16% S, 3% Mn**
**$ 100.00 per bag**

pHusion KCS Plus 0-0-18 supplies five vital nutrients critical for proper soil chemistry: potassium, calcium, magnesium, sulfur and manganese. When soils are deficient in these nutrients, other primary and secondary nutrients can become unavailable which prevents the plant from efficiently utilizing the nutrients within the soil. Manganese acts as an enzyme to promote chlorophyll development. Manganese has can help reduce certain patch diseases in turf. pHusion KCS Plus 0-0-18 contains pHusion Organic Acid which aids in releasing tied up nutrient complexes. In turn, these nutrients become available to the plant. RATE: See label for details. *50 lb. bag*

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**PHUSION MANGANESE 7%, SULFUR 4%**
**$ 26.00 per gallon**



pHusion Manganese 7% is an acid-based manganese liquid that is ideal for correcting manganese deficiencies in the soil. The acid-based liquid formulation contains urea-sulfuric acid that aids in acidifying soil. Manganese availability increases when soil pH is maintained below 7.0. It influences photosynthesis and is involved in several plant enzymes that promote chlorophyll production in the plant.The result is a darker, natural green tissue. Turf that is grown in soils that have higher soil pH than 7.0 and low manganese levels may be prone to certain undesirable disease pathogens that may cause detrimental results due to low available manganese levels. RATE: See label for details. *2 x 2.5 gallons/case*

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**POTASSIUM+ 0-0-25**
**$ 38.00 per gallon**



Potassium+ 0-0-25, 17% Sulfur is a neutral to basic, chloride-free, clear liquid solution. It can be used as the sole potassium source with the additional benefit of sulfur to aid in more efficient nitrogen utilization. Potassium+ 0-0-25, 17% Sulfur may also be combined with nitrogen and phosphorous sources to supply the desired fertilizer blend for proper turf nutrition. Split the applications to coincide with the nutritional demands of the cultivars present. RATE: 4-8 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**RUSTY'S MINERAL ABSORPTION ENHANCER**
**$ 173.00 per gallon**



RUSTY'S 2-0-1 is a natural-based fertilizer and mineral asorption enhancer that promotes the uptake of nutrients into the plant to encourage vitality of the root structure and turf canopy. It increases the plant's ability to produce recovery growth quickly and aids in the reduction of common plant stress symptoms. Rusty's can be applied with other Plant Food Company nutrient solutions for compounded positive results. Consider applying Rusty's before and after events which could cause plant stress. RATE: See label for details. *2 x 2.5 gallons/case*

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**SILI-K 21% SILICA**
**2-0-10, SILICA & POTASSIUM COMPLEX**
**$ 96.00 per gallon**



Sili-K 21% Silica is formulated to stimulate and promote plant growth and enhance soil enrichment. Promotes easier mowing cut, stiffens leaf blades and improves ball roll. It can be incorporated in fertigation solutions, or as a foliar spray. The spray adjuvant grade urea nitrogen enhances the foliar uptake of Sili-K 21% Silica into the plant. Turf stands up: Sili-K 21% Silica causes the leaf blade to stand up for better cut, photosynthesis, faster ball roll, and fewer ball marks. Physiological effect: Sili-K 21% Silica imparts water economy and drought resistance as well as increasing the synthesis of chlorophyll and plant proteins. RATE: See label for details. *2 x 2.5 gallons/case*

# Hydration A-Plus®

Penetrant, Water Holding Agent & Bicarbonate Reducer

## PLANT & SOIL HYDRATING AGENT

"Contains Salicylic Acid and Mineral Acid Technology"

**Salicylic Acid (SA)** enables plant tissue to **retain more water** and enhances the **plant's natural defense immune system** – Systemic Acquired Resistance (SAR)

### Multi-Action Performance

**Plant & Soil Hydration**

**Water Infiltration**

**Water Penetration**

**Nutrient Solubilization**

**Uniform distribution**

### PERFORMANCE ADVANTAGES:

- Low application rates = cost effective
- Tank mixable with most products
- Saves time by not having to water in
- Non-burning and no phyto-toxicity
- Dual action surfactant
- Reduces water usage

### SURFACE **PLAYABILITY** BENEFITS:

Improved playing surface **consistency**

Increased **firmness** on playing surfaces

ONLY

**1 Pint to 1 Quart per Acre Weekly**

.35-.70 oz. per 1000

**Mineral Acid Technology (M.A.T.) Destroys soil bicarbonates increasing nutrient availability.**

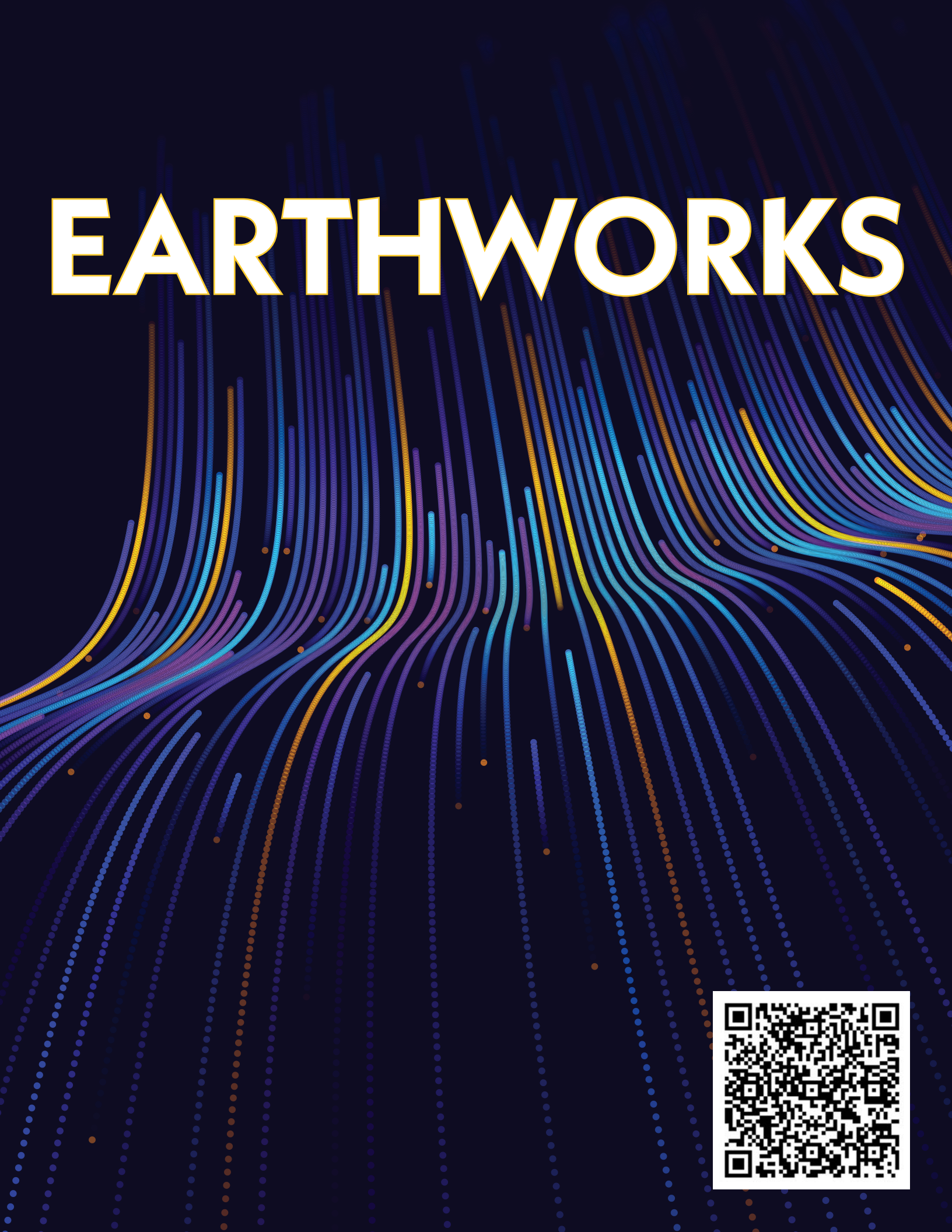
PLANT FOOD COMPANY, INC.

Products built for Playability

**Product DOES NOT get Watered in!**

Only needs a 3-5 minute rise later that evening.

# EARTHWORKS






# PROGRAMS

## Construction

Speed and quality of grow-in is significantly improved. Builds strong and deep roots on seeding, and sodding projects.

*Customizable to your budget.*

## Aerification

Renovate Plus & Myco Replenish 10 lbs/1000 of each in aerification holes.

*Replenish your soil with long term benefits.*

## Stress Recovery

Replenish fertilizers and Sea 3 sprays

*1-3 applications of Replenish and monthly apps of Sea 3 @ 1gal/AC.*

## Foliars+ 555 Spoon Feeding Program

5 oz of CalVantage, Protein Plus & Trilogy biweekly

The Foliars+ line of liquid fertilizers provides complete nutrition.

*This program will build roots, digest thatch, provide vigor and recovery by both foliar feeding the grass and feeding the soil microbes.*

## KICK Rinse In

Removes both sodium and bicarbonate from the root zone (10 oz KICK, 5 oz CalVantage, gypsum, penetrant surfactant, potassium sulfate. Spread gypsum. Mix KICK, CalVantage and surfactant in sprayer and rinse in to surface with enough water to push material through the root zone. Apply once per month or according to soil test.)

EarthWorks™

*A Deeper Respect*

800-732-TURF • info@earthworksturf.com • www.earthworksturf.com

# EARTHWORKS DRY ORGANICS

**EARTHWORKS** products are designed to support the concept of biological soil management, which is defined as the practice that encourages the proliferation of beneficial microorganisms. By following a "soil first" method of balancing soil chemistry and feeding the soil with rich organic and mineral-based products, you will allow for better air and water movement. It is this physically improved soil environment that is necessary to help stimulate needed soil microbes and create healthy soil.

**Dry Organics**
The Replenish line of fertilizers are complex-formulated dry organics. EarthWorks is dedicated to formulating the most agronomically complete products available. We have over 20 years of experience in working with biological soil management programs and our fertilizers are designed to maximize the microbial activity of any soil. Healthy soil promotes healthy plants. We start with mineral rich poultry compost from egg-laying birds that has gone through two digestion cycles. The by-products of this biological digestion bring with them a host of soil and plant benefits, including increased enzymes, amino acids and, most importantly, minerals. These benefits are not found in most commercial natural organic fertilizers. Once the raw material has been composted, we add a large percentage of rock minerals. Following the EarthWorks Carbon Pyramid approach, complex carbohydrates and humic acids are blended into the product, creating one of the most powerful soil and plant foods available.

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**MYCO-REPLENISH 3-3-3**
**Greens Grade - $ 56.00 per bag**
**Standard Grade - $ 55.00 per bag**




Myco-Replenish combines the high quality of EarthWorks OMRI-listed organic poultry compost with root stimulating endo and ecto mycorrhizae fungi. Myco-Replenish is ideal for any landscape planting situation, establishment of grass seed or sod and will enhance all soil aerification practices. An extensive amount of Mycorrhizae fungi in combination with the known value of the Replenish compost fertilizer will help to promote extensive root growth, reduce heat and drought stress, improves water and nutrient-uptake and can eliminate transplant shock. Mycorrhizal fungi increase the surface absorbing area of roots 10 to 1,000 times, thereby greatly improving the ability of the plant to use the soils resources. Several miles of fungal filaments can be present in the thimbleful of soil. But mycorrhizal fungi increase nutrient uptake not only by increasing the surface absorbing area of the roots, but also release powerful enzymes into the soil that dissolve hard-to-capture nutrients, such as phosphorous, magnesium and other “tightly bound” soil nutrients. RATE: 10-25 lbs./1000 sq.ft. on turf at time of aerification *50 lb. bag*

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**REPLENISH 3-4-3**
**$ 30.00 per bag**




Replenish 3-4-3 is 100% egg layer poultry compost. This product is a very effective and inexpensive form of top-dressing fertilizer and is an important part of many soil programs. The compost used in this product is all egg layer waste, which is very high in calcium, carbon and naturally occurring minerals. This product has gone through two separate digestion cycles, one in the bird and one in the composting facility. The digestion process in the animal allows all the minerals not used by the bird to become a part of the fertilizer. The additional composting process then adds more microbial richness. RATE: For 1/2 lb. of nitrogen on 1000 sq.ft. of turfgrass, apply 5 lbs./1000 sq.ft. of turf area. Apply 2-4 times per year as needed. *50 lb. bag*

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**REPLENISH 5-4-5**
**Greens Grade - $ 56.00 per bag**
**Standard Grade - $ 55.00 per bag**




Replenish 5-4-5 is the most complete plant and soil food on the market today and is the “flagship” of the EarthWorks product line. 5-4-5 is an all-purpose formulated natural organic fertilizer that can be used for any turf or ornamental application without fear of burn or salt build-up. RATE: For 1/2 lb. of nitrogen on 1000 sq.ft. of turfgrass, apply 10 lbs./1000 sq.ft. Applications can be made at any time of year. Do not apply to frozen soils or the product can roll off the soil surface. *50 lb. bag*

**REPLENISH 8-2-2**
**Standard Grade - $ 46.00 per bag**




Replenish 8-2-2 is a cost effective blend of ammonia sulfate and our organic poultry compost. Replenish compost is a rich egg layer compost that has not been pasteurized. It is very biologically active and will provide your turf with a mineral and nutrient rich carbon-based fertilizer that will produce a rich deep color with long lasting results. The ammonium sulfate provides a quick green-up and can help release tied up calcium and lower soil pH. The combination of Replenish compost (with its ability to hold water and build soils) and ammonium sulfate, makes this an ideal dormant feed product, a good spring green up product and an exceptional post summer recovery product. RATE: For 1/2 lb. of nitrogen on 1000 sq.ft. of turfgrass, apply 7 lbs./1000 sq.ft. *50 lb. bag*

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**REPLENISH 10-2-5**
**Greens Grade - $ 70.00 per bag**
**Standard Grade - $ 69.00 per bag**




Replenish 10-2-5 is an ammonium sulfate-formulated natural organic fertilizer. This product is a combination of soluble ammonium sulfate nitrogen and rich biologically-active Replenish fertilizer. Ammonium sulfate is ideal for spring and fall applications to help warm up cool soils and release tied up calcium, while providing a soluble form of nitrogen. When blended with the EarthWorks Replenish compost and rock minerals, a powerful fertilizer is created that feeds both the soil and the plant. RATE: For 1/2 lb. of nitrogen on 1000 sq.ft. of turfgrass, apply 5 lbs/1000 sq.ft. *50 lb. bag*

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**RENOVATE PLUS**
**$ 69.00 per bag**




Renovate Plus is a 50/50 combination of EarthWorks Renovate and Eco-Lite and is a powerful amendment that will open tight soils, speed turf recovery, and stimulate soil biology without a big nitrogen push. This combination allows for oxygen movement through the soil and promotes an active microbial generated nitrogen cycle. It is ideal for numerous projects on the golf course or sports field and can “save” those hard to grow areas. Renovate is a blend of organic and mineral amendments including kelp meal, compost and humic acids which make up a sustainable microbial food source of short, medium and long chained carbons. The diversity of ingredients allows for a quick jump-start of soil activity that is sustainable. The mineral fraction of Renovate includes greensand, sul-po-mag, hard and soft rock phosphate, and calcium. This combination prevents de-mineralization of the soil and allows for roots to take up nutrients as needed, and is a great way to provide a biological foundation to any soil by promoting soil flocculation and turf recovery. RATE: Apply 10-25 lbs./1000 sq.ft. for seed eastablishment or at aerification. *50 lb. bag*

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# EARTHWORKS LIQUID ORGANICS

**Bio Vantage**
**$ 79.00 per gallon**




Bio Vantage incorporates biological inoculants including Rhizobacteria, proven plant stimulants and soil amendments to enhance the value and efficacy of the biologicals. It is a unique liquid organic fertilizer formulated with fish, kelp meal, and seawater extracts specifically designed and formulated to promote maximum biological enhancement of the Rhizobacteria package. It will improve the soils ability to digest organic matter in the root zone reducing thatch, building water holding humus, providing available food for microorganisms, which will improve nutrient mobility and provide checks and balances for pathogens. RATE: 3-5 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**Cal-Vantage**
**$ 67.00 per gallon**




Cal-Vantage uses calcium, carbon, nitrogen, sulfur, and boron synergistically to address plant nutrition. Unlike singular calcium products, chelated or not, it provides ingredients that are associated with the uptake of plant foods. The result is a very bioactive and available form of calcium, in combination with an ample amount of plant available boron. There are very few soils found in the turf industry that will not benefit from the increased calcium mobility that Cal-Vantage can provide. RATE: 2-8 oz./1000 sq.ft., 8-16 oz. for sodium removal *2 x 2.5 gallons/case*

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**Kick**
**$ 71.00 per gallon**




Kick is the ultimate soil conditioner. Designed to help open tight soils and stimulate microbial activity, Kick will promote healthy root growth in both turf and ornamentals, reduce plant stress, break nutrient bonds in the soil and is an available food source for microbial populations. With over twenty raw materials, Kick is one of the most complete soil conditioners available. Use Kick as part of a regular liquid application program for very tight soils, sodium rich soils, or to help stimulate new plantings. RATE: 5-10 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**Mag Vantage**
**$ 76.00 per gallon**




Mag Vantage is a carbon-based magnesium complex designed to help build chlorophyll development in the plant to improve color and vigor. It is formulated using multiple forms of magnesium to maximize uptake in all kinds of soil and environmental conditions. Mag Vantage can help any plant in any environment be stronger and recover more quickly. Magnesium is the “photosynthesis element” and is essential in providing long-lasting color and carbohydrate synthesis in the plant. By building a product with multiple forms of magnesium, we improve mobility in all soil and environment conditions; and by combining them with multiple forms of carbon, and other co-factors needed for uptake, we insure significantly higher mobility. RATE: 3-8 oz./1000 sq.ft. *2 x 2.5 gallons/case*

**Protein Plus 14-2-5**
**$ 66.00 per gallon**




Protein Plus provides color, vigor, recovery and plant health. Protein Plus combines six forms of nitrogen for maximum efficiency along with an entire spectrum of essential macro and micro nutrients and other important co-factors that are essential in the construction of a complete protein within the plant. Protein Plus uses over 60 trace elements, vitamins, minerals, carbon sources and other cofactors to help the plant quickly and efficiently build chlorophyll before pathogens have the opportunity to consume the free nitrogen and proliferate. RATE: 5-10 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**Sea 3**
**$ 61.00 per gallon**




Sea 3 is a unique liquid organic fertilizer formulated from three distinctive sea-based nutrient sources: fish meal, kelp meal and sea water extracts. It is designed to feed the plant with nutrients that are stabilized with a host of carbon sources that allow the nutrients to stay in soil solution longer and allow the plant to take them up more completely. RATE: 2-4 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**Trilogy TBS**
**$ 72.00 per gallon**




Trilogy TBS is the TOTAL biostimulant. This unique blend provides a base line program for plant, root and microbial stimulation. It supports strong plant growth and recovery, with a host of macro and micro nutrients; root stimulation with a concentration of humic and fulvic acids, and promotes a healthy and active microbial population with multiple forms of carbon. It is a very dynamic product with over thirty raw materials to help build a stronger plant that will survive the rigorous pressures of today’s golf, sports turf and ornamental plant environments. It can be tank-mixed with most turf and ornamental products. RATE: 5-12 oz./ 1000 sq.ft. *2 x 2.5 gallons/case*



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# IGNITION



# If Your Fertilizer Is From Ec Grow
# Then It's EPEC

**EPEC**
[ep-ik]

***noun***
1: a consistent shaped polymer coated urea known for its orange color designed to regulate the nitrogen release according to soil temperature and moisture

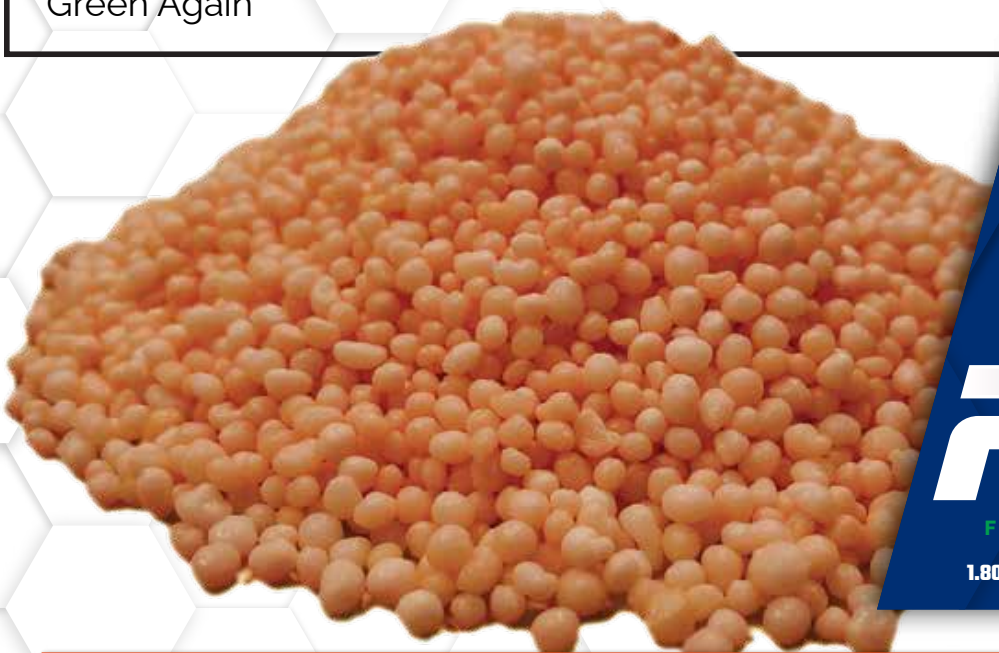
***| turf managers that want a quality fertilizer product ask for EPEC.***

2: fertilizer material engineered to deliver sustained, efficient nutrient availability over extended periods, reducing nutrient loss and frequency of applications.

3: product of legend, loved by Doug

***adjective***
1: of, or relating to, a urea fertilizer treated with a controlled- release polymer coating, characterized by its ability to promote a deep, lasting green color in turf.

2: extending beyond, informal slogan, "Making America Green Again"



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# IGNITION BY D & K PRODUCTS

**2-0-16 POTASSIUM PHOSPHITE**
**$ 75.00 per gallon**



2-0-16 Potassium Phosphite is a highly concentrated potassium phosphite formulation. Designed to deliver supplemental potassium, 2-0-16 aides in correcting nutritional deficiencies and combating plant stress. RATE: 0.5-2 oz./1000 sq.ft. in cool and warm season turfgrass. Apply 2 quarts in 100 gallons of water as a foliar spray or soil drench. See label for details. *2 x 2.5 gallons/case*

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**2-0-26 K-ACE**
**$ 47.00 per gallon**



2-0-26 K-ACE is a unique formulation of potassium derived from potassium acetate. Potassium acetate has significantly higher foliar availability over traditional forms of potassium. This, combined with high plant safety, makes potassium acetate the potash of choice for enhanced nutrient uptake. RATE: 2-8 oz./1000 sq.ft. in cool and warm season turf. Use weekly or biweekly throughout growing season or as indicated by soil or tissue testing. *2 x 2.5 gallons/case*

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**14-2-14 (50% SRN)**
**$ 37.50 per gallon**



This balanced core fertility product is formulated to maximize foliar delivery to turf. Half of the nitrogen is slowly available, which provides a longer, more consistent color response with a lower salt index than traditional fast release nitrogen sources. The potassium is derived from potassium acetate, which has extremely high rates of foliar absorption compared to traditional potash sources. RATE: 4-6 oz./1000 sq.ft in cool season turf, 6-8 oz./1000 sq.ft. in warm season turf, 1 gallon in 100 gallons of water for nursery/ornamentals. See label for details. *2 x 2.5 gallons/case*

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**18-3-6 (50% SRN)**
**$ 36.50 per gallon**



This low salt index formulation is a core fertility product formulated in a ratio favorable for most varieties of turfgrass. Half of the nitrogen is slowly available, which provides a longer, more consistent color response with a lower salt index than traditional fast release nitrogen sources. RATE: 3-6 oz./1000 sq.ft. in cool season turf, 6-8 oz./1000 sq.ft. in warm season turf, 1 gallon in 100 gallons of water in nursery/ornamentals. Best results are seen when product is watered in. See label for details. *2 x 2.5 gallons/case*

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**AUTOSTART 2-0-2**
**$ 48.00 per gallon**



Ignition AutoStart is a supplemental liquid fertilizer containing extremophilic plant extracts, amino acids, complex carbohydrates and SAR elicitor compounds. It is designed to enhance nutrient uptake and may enhance a plant's ability to combat stress. AutoStart is a great foundation to any greens or tees program and an excellant product for sports turf fields when seed establishment is challenged by field use. RATE: 2-4 oz./1000 sq.ft. in turf/tees/greens and fairways, 6-8 oz/1000 sq.ft. for foliar stress recovery, 2.5 gallons per acre for fertigation. See label for details. *2 x 2.5 gallons/case*

**BACKTRACK SPRAY PATTERN INDICATOR**
**$ 55.00 per gallon**
**$ 300.00 per case of WSP packets**



Backtrack is designed to mark chemical spray solutions on golf courses, parks, commercial and nursery applications. It is a proprietary temporary colorant blend used as a visual aid to identify the areas already treated by the applicator. For use with pesticides, fertilizers, and PGR foliar applications on turfgrass and other non-crop vegetation sites. RATE: Add 6-10 oz. per 100 gallons of water-based spray solution. Backtrack may be used with all types of spray equipment. Agitate before use. *4 x 1 gallons/case or 4 x 12 x 2 oz. case of WSP packets*

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**CAL-10**
**(Calcium nitrate)**
**$ 47.00 per gallon**



Cal-10 is a liquid formulation of calcium nitrate designed to prevent and/or correct calcium deficiencies in all crops, ornamentals and turf. Cal-10 contains 1.09 pounds of calcium and .87 pounds of nitrate nitrogen per gallon. Cal -10 provides the nutrients necessary for increasing plant vigor, cell wall formation, and stimulating root and leaf formation. RATE: 5-24 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**COVER-UP**
**90-10 Nonionic + Odor Reducer**
**$ 45.00 per gallon**



Cover-up Surfactant with odor reduction technology enhances the performance of a wide range of pesticides by thoroughly wetting the pest and spreading the active ingredient on the target surface. The odor reduction technology system significantly reduces and eliminates offensive pesticide odors of herbicides and various insecticides. RATE: 1-2 pints/100 gallons *2 x 2.5 gallons/case*

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**DKP 3-18-18**
**$ 54.00 per gallon**



DKP 3-18-18 is a high availability foliar nutrient formulation of N-P-K with a low salt index. When timely and adequately applied during the cropping season, it increases plant growth, health, production, rooting and fruit quality. The phosphate is all in the plant-available ortho-phosphate form, allowing for rapid uptake and utilization. This distrinctive formulation enhances nutrient availability and allows for enhanced tank mix compatibility in hard water situations. RATE: 64 oz to 3 gallons/acre in turf, tees, greens and fairways and 1-2 gallons in 100 gallons of water in ornamentals. *2 x 2.5 gallons/case*

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**IRON PLUS 15-0-0 (6% FE)**
**$ 23.50 per gallon in 2.5 gallons**
**$ 1,025.00 per 55 gallon drum**
**$ 5,600.00 per 250 gallon tote**



Iron Plus 15-0-0 with 6% Fe is a supplemental nitrogen and iron fertilizer designed to achieve rapid green-up of turf. Although it is formulated to be stable in most tank mixes with commonly used fertilizers and pesticides, always conduct a jar test to confirm compatibility. It uses 15% Urea to open up the plant for quicker uptake and response. RATE: 2-8 oz./1000 sq.ft. Use a max of 3 oz./1000 sq.ft. when air temperatures exceed 90 degrees. *2 x 2.5 gallons/case, 55 gallon drums or 250 gallon totes*

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# IGNITION BY D & K PRODUCTS

**IRON PLUS EXTREME MICROS**
**$ 39.00 per gallon in 2.5 gallons**
**$ 950.00 per 30 gallon drum**
**$ 7,500.00 per 250 gallon tote**



Ignition IRON PLUS EXTREME is just Iron Plus with a micro Pak added for nutrient-deficient turf and soil situations. Use Iron Plus Extreme any time you are looking for a quick color response in any turf situation. RATE: 2-8 oz./1000 sq. ft. Use a max of 3 oz./1000 sq.ft. when air temperatures exceed 90 degrees *2 x 2.5 gallons/case, 30 gallon drums or 250 gallon tote*

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**NIGHTSHADE LAKE & POND DYE**
**$ 65.00 per gallon**



Nightshade Lake & Pond Dye is a versatile, easy-to-use, non-toxic water impoundment dye colorant. It mixes completely in water to prevent sunlight penetration. It will not harm fish or wildlife associated with water impoundments. Treated water is safe to use as an irrigation source for all purposes. It reduces and prevents weed and algae formulation in shallow bodies of water. It dyes the water a black color. RATE: 1 gallon/4 acre feet *4 x 1 gallons/case*

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**POWER N 28-0-0**
**$ 37.00 per gallon**
**$ 8,400.00 per 250 gallon tote**



Power N is a low salt index supplemental nitrogen fertilizer containing slowly available urea triazone polymer. Of the total nitrogen, 70% is in the slowly available form, providing a safe source of nitrogen that resists volatilization and leaching. RATE: 4-9 oz./1000 sq.ft. in cool season turf, 6-12 oz./1000 sq. ft. in warm season turf, 1 gallon/100 gallons of water in nursery/ornamentals. Best results are seen when product is watered in. See label for details. *2 x 2.5 gallons/case or 250 gallon totes*

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**POWER PHYTE 0-0-30**
**$ 62.50 per gallon in 2.5 gallons**
**$ 3,200.00 per 55 gallon drum**
**$ 9,750.00 per 250 gallon tote**



Power Phyte is a formulated phosphite treatment for summer stress in turfgrass that contains potassium phosphite. Thorough coverage of foliage is necessary for best results when used as a foliar treament. Foliar applications of Power Phyte is intended only as a supplement to a properly designed regular fertilization program and will not by itself provide all the nutrients normally required by turfgrass crops. Avoid foliar applications under extremes of climate or stress. Rate: 2-3 oz./1000 sq.ft. on greens and tees, 3 oz. on fairways *2 x 2.5 gallons/case 55 gallon drums or 250 gallon totes*

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**POWERSTIK 90-10 NONIONIC SURFACTANT**
**$ 37.75 per gallon in 1 gallons**
**$ 33.00 per gallon in 2.5 gallons**
**$ 800.00 per 30 gallon drum**
**$ 6,750.00 per 250 gallon drum**



Powerstik is an economical, 90% active, low-foaming, non-ionic activator adjuvant that enhances the performance of a wide range of pesticides by thoroughly wetting pesticide and spreading the active ingredient on the target surface. Powerstik slows the drying time to improve penetration through a waxy or weather-harded cuticle. A defoaming agent in the formulation eases mixing procedures and speeds load time. RATE: 1-4 pints/100 gallons of spray solution *4 x 1 gallons, 2 x 2.5 gallons/case, 30 gallon drums or 250 gallon tote*

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**SAPPHIRE LAKE & POND DYE**
**$ 67.00 per gallon**
**$ 330.00 per case of WSP packets**



Sapphire Lake & Pond Dye is a blend of blue and yellow dyes which shade specific portions of the sunlight spectrum required by underwater aquatic plant and algae growth. This aquablue pond dye creates shading that inhibits photosynthesis in young, bottom growth, and may prevent the development all together if pond color is maintained throughout the early season. RATE: 1 gallon/4 acre feet *4 x 1 gallons/case or 4 x 6 x 5.25 oz. case of WSP packets*

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**SPARK ROOT BIOSTIMULANT 14-4-2**
**$ 43.00 per gallon in 2.5 gallons**
**$ 1,300.00 per 30 gallon drum**



Spark Root Biostimulant fertilizer uses Humic and Fulvic acids,derived from young active Leonardite, black strap molasses and concentrated Ascophyllum nodosum from sea kelp, in combination with a nutrient fertility base, to promote and develop root growth, increase tiller rhizome and stolon production and promote turf stress health throughout the growing season. It is designed for use on residential and commercial turf, athletic fields, golf courses and ornamental applications. RATE: 48 - 96 oz. per acre or 1.1 - 2.2 oz per 1,000 sq.ft. Apply to actively growing turf in a minimum of 1.5 gallon per 1,000 sq.ft. of spray solution. *2 x 2.5 gallons/case or 30 gallon drums*

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**TAKEDOWN DEFOAMER**
**Spray Tank Defoamer**
**$ 27.00 per quart**



Takedown anti-foaming agent eliminates unwanted foam in spray applications involving recirculating sprayers and other high-agitation equipment to help ensure even distribution of pest control product applications. Chemicals in the tank will remain active and unaffected by Takedown antifoaming agent, and the high-quality formulation will not clog spray equipment nozzles. RATE: 1-4 oz./100 gallons *12 x 1 quarts/case*

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**UPLIFT MICRONUTRIENTS**
**$ 48.50 per gallon**



Uplift is a specialty micronutrient formulation designed to enhance crop yields and increase resistance to environmental stress factors. Foliar applications can assist in rapidly correcting nutrient deficiencies and increasing crop yields. It's comprehensive micronutrient package complexed with an organic acid allows for enhanced absorption and utilization. Uplift is combined with an autolyzed yeast extract full of amino acids, which elicits a systemic acquired resistance within the plant increasing stress resistance and production. Uplift contains Mg, Mn, Fe, Zn, Mo, and B with fulvic acid and humic acid added to enhance nutrient uptake. RATE: 3-6 oz./1000 sq.ft. as needed for maintenance. For deficiencies, apply 8-12 oz./1000 sq.ft. *2 x 2.5 gallons/case*



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**Dan Farnes,** *Director of Fields and Grounds*
**America First Field, Real Salt Lake**

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# IGNITION SEED BLENDS

## IGNITION LAWN MIX

Ignition Lawn Mixture is a complete seed mixture, featuring Kentucky bluegrass for wear and traffic tolerance; perennial ryegrass for quick germination and establishment;  and fine leaf fescue for drought and shade tolerance. This is a very good mixture that will adapt to a wide range of turfgrass uses. The bluegrass varieties display excellent sun and shade tolerance, as well as good color, density and disease resistance. The ryegrass provides for quick cover to help with recovery. This mixture is a good selection for overseeding medium to dark green home lawns, commercial sites and cemeteries.

- Very quick establishment with Shannon germinating in 7-10 days
- Bluegrass selected for the ability to recover from seasonal stress conditions
- Superior disease resistance (including grey leaf spot)
- Medium to dark green color, which matches very well with existing stands of turf
- Shade tolerance for areas of lawn under canopy of trees

**SEEDING RATES**
New Seeding: 5-7 lbs./1,000 sq.ft.
Overseeding: 4-6 lbs./1,000 sq.ft.
Overseeding High Use Areas: 5 lbs./1,000 sq.ft. at a weekly/monthly interval

POPULAR BLEND

## IGNITION SHADY MIX

Ignition Shady Mix is a versatile mixture of fine fescue, bluegrass and ryegrass. This high quality mixture performs well in medium to deshade areas and will do very well in low maintenance, environmentally sensitive areas. Areas include: home lawns, parks, reclamation, roadsides, cemeteries, golf course roughs and commercial sites. Little to no maintenance is generally the key to enhancing a higher population of fine fescue.

- Tolerant of heat and cold
- All varieties selected for good performance in shade
- Excellent disease and drought tolerance
- Superior low maintenance qualities
- Performs well in poor quality soils
- Deep-rooted, combining bunch-type fescue and rhizomatous bluegrass

**SEEDING RATES**
New Seeding: 4-5 lbs./1,000 sq.ft.
Low Maintenance Areas: 2-3 lbs./1,000 sq.ft.

## IGNITION SIGNATURE ELITE

Ignition Signature Elite Bluegrass blend is a very good blend that will adapt to a wide range of turfgrass uses. Signature Elite has a good  rate of establishment as well as good color and density. A good choice for sports fields once established, but will also perform well on home lawns and commercial sites, parks, cemeteries and campuses. Available with XALT coating.

- Adapted to a wide-range of turfgrass applications
- Overall outstanding performance in NTEP trial scores
- Excellent heat and stress tolerance
- Early spring green-up, and year-round color retention
- Very quick germination, with Jumpstart and Shannon germinating in 7-10 days

**SEEDING RATES**
New Seeding: 3 lbs./1,000 sq.ft.
Overseeding: 1.5 to 2 lbs./1,000 sq.ft.
Overseeding High Use Areas: 4 lbs./1,000 sq.ft. at a weekly/monthly interval

## IGNITION PERENNIAL RYEGRASS

Ignition Perennial Ryegrass blend is the ultimate blend for golf courses, as well as parks, cemeteries, home lawns and sports fields where 100% perennial ryegrass is used. All varieties rank very high in their resistance to grey leaf spot, as well as their overall turf qualities. Selected for their dark green color, excellent seedling vigor, and year-round density, the Ignition Perennial Ryegrass Blend is an outstanding option for turfgrass managers.

- Excellent tolerance to grey leaf spot
- Overall outstanding performance in NTEP trial scores
- Excellent heat and stress tolerance
- Superior traffic tolerance
- Very good mowing qualities
- High endophyte levels (natural insect resistance)

**SEEDING RATES**
New Seeding: 7-9 lbs./1,000 sq.ft.
Overseeding: 3-5 lbs./1,000 sq.ft.

# IGNITION SEED BLENDS

## IGNITION TURF TYPE TALL FESCUE

Ignition Turf Type Tall Fescue Blend features varieties that are top rated in the NTEP. They have fine leaf texture, dark green color, excellent wear and traffic tolerance, outstanding disease resistance, and express tillering for a unique ability to repair from damage. This is an excellent blend that will adapt to a wide-range of turfgrass uses. This mixture is a good selection for overseeding existing tall fescue lawns, commercial sites and cemeteries.

- Fine leaf texture compared to traditional tall fescue
- Inherent Rapid Tillering (IRT) provides 360 degrees of tiller expression
- Very quick establishment with germination in 7-10 days
- Lower nitrogen requirements for ideal turfgrass stand
- Superior disease resistance (including brown patch)
- Medium to dark green color, which matches very well with existing stands of turf
- Shade tolerance for areas of lawn under canopy of trees

**SEEDING RATES**
New Seeding: 8-10 lbs./1,000 sq.ft.
Overseeding: 6-8 lbs./1,000 sq.ft.
Overseeding High Use Areas: 6 lbs./1,000 sq.ft. at a weekly/monthly interval

BESTSELLER

## IGNITION SPORTS TURF 50/50

Ignition Sports Turf 50/50 will adapt to a wide range of turfgrass uses. The bluegrass varieties display excellent sun and shade tolerance, as well as good color, density and disease resistance. The ryegrass provides quick cover to help with recovery. This mixture is a good selection for over-seeding sports turf fields, but is an excellent for overseeding medium to dark green home lawns, commercial sites and cemeteries. This blend is available with XALT coating.

- Very quick establishment
- Bluegrass selected for aggressive tillering and rhizomes
- Superior disease resistance (including grey leaf spot)
- Medium to dark green color, which matches very well with existing stands of turf

**SEEDING RATES**
New Seeding: 8-10 lbs./1,000 sq.ft.
Overseeding: 5-7 lbs./1,000 sq.ft.
Overseeding High Use Areas: 6 lbs./1,000 sq.ft. at a weekly/monthly interval

## IGNITION NO MOW

Ignition No-Mow Mixture is a complete seed mixture, designed for non-maintainted turf areas in commercial turf and fescue rough areas on golf courses. The combination of hard, creeping and fine leaf fescue is great for drought and shade tolerance areas. This is a very good mixture that will adapt to a wide range of turfgrass uses. Lighter establishment rates can be used for bank establishment or rough areas on golf courses where thinner stands of turf may be desirable.

- A well-designed fescue blend for hard to maintain areas
- Very drought tolerant blend for unirigated areas.
- Will grow to 10-14 inches if left uncut.
- Needs to only be mowed a couple of times per year for optimum maintainence
- Shade tolerance for areas of lawn under canopy of trees

**SEEDING RATES**
New Seeding: 8-10 lbs./1,000 sq.ft., 5-7 lbs for fescue stands on golf courses
Overseeding: 6-8 lbs./1,000 sq.ft.
Overseeding High Use Areas: 6 lbs./1,000 sq.ft. at a weekly/monthly interval

## IGNITION SPORTS TURF MVP 70/30

Ignition Sports Turf MVP 70/30 will adapt to a wide range of turfgrass uses. The bluegrass varieties display excellent sun and shade tolerance, as well as good color, density and disease resistance. The ryegrass provides for quick cover to help with recovery. This mixture is a good selection for over-seeding sports turf fields, but is an excellent selection for overseeding medium to dark green home lawns, commercial sites and cemeteries. This blend is available with XALT coaitng.

- Bluegrasses selected have aggressive tillering and rhizomes
- Superior disease resistance (including grey leaf spot)
- Reduced nitrogen requirements
- Medium to dark green color, which matches very well with existing stands of turf
- Very quick germination, with Jumpstart and Shannon germinating in 7-10 days

**SEEDING RATES**
New Seeding: 5-6 lbs./1,000 sq.ft.
Overseeding: 3 lbs./1,000 sq.ft.
Overseeding High Use Areas: 8 lbs./1,000 sq.ft. at a weekly/monthly interval



PRICES ARE 2026 ESTIMATED PRICES FOR BUDGETING PURPOSES. PLEASE CALL YOUR D & K REPRESENTATIVE FOR A FIRM QUOTE.
ALWAYS READ AND FOLLOW LABEL DIRECTIONS

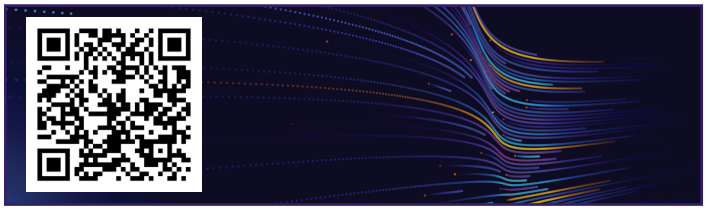
# IGNITION SEED BLENDS

## IGNITION TALL FESCUE BLUE

Ignition Tall Fescue with Kentucky Bluegrass Blend features varieties that are top rated in the NTEP. They have fine leaf texture, dark green color, excellent wear and traffic tolerance, outstanding disease resistance, and express tillering for a unique ability to repair from damage. This is an excellent blend that will adapt to a wide-range of turfgrass uses. This mixture is a good selection for overseeding existing tall fescue lawns, commercial sites and cemeteries. The addition of 5% Kentucky Bluegrass helps with quicker recovery of the turf surface.

- Fine leaf texture compared to traditional tall fescue
- Inherent Rapid Tillering (IRT) provides 360 degrees of tiller expression
- Very quick establishment with germination in 7-10 days
- Lower nitrogen requirements for ideal turfgrass stand
- Superior disease resistance (including brown patch)
- Medium to dark green color, which matches very well with existing stands of turf
- Shade tolerance for areas of lawn under canopy of trees

**SEEDING RATES**
New Seeding: 8-10 lbs./1,000 sq.ft.
Overseeding: 6-8 lbs./1,000 sq.ft.
Overseeding High Use Areas: 6 lbs./1,000 sq.ft. at a weekly/monthly interval



## IGNITION HD SPORTS 2.0 PLUS

HD Sports 2.0 Plus 80/20 quickly produces extreme wear and traffic tolerant turf that is fast to recover from hard play and its superior genetics build a remarkable advantage over summer patch and other diseases. With early spring green up and extended fall color, plus full sun and stadium shade performance, HD Sports 2.0 Plus outperforms other blends on cleated sports fields due to the synergy created with superior varieties in this heavy duty Kentucky bluegrass-based blend. Available with XALT coating.

- Develops a deep, fibrous root system, an advantage for fast turf recovery from traffic and drought stress.
- Superior wear and traffic tolerance that withstands the abuse of cleated traffic with minimal damage.
- Super Elite varieties selected for uniform dark green genetic color for season long performance.
- Early spring green up provides heavy-duty turf for spring sports.
- Excellent color/growth produces heavy-duty turf through the summer and fall seasons.
- Agronomically formulated for heavy-duty performance. No weak varieties, which erode performance, are ever used to blend down the cost.
- Fine blade, dark green color, high density turf.

**SEEDING RATES**
New Seeding: 5-6 lbs./1,000 sq.ft.
Overseeding: 3 lbs./1,000 sq.ft.

## IGNITION HD SPORTS 2.0

HD Sports 2.0 produces extreme wear and traffic tolerant turf that is fast to recover from hard play. It's superior genetics build a remarkable advantage over summer patch and other diseases. With early spring green-up and extended fall color, plus full sun and stadium shade performance, HD Sports 2.0 out-performs on cleated sports fields due to the synergy created with superior varieties in this heavy-duty Kentucky bluegrass-based blend. Available with XALT coating.

- Develops a deep and fibrous root system for fast turf recovery from traffic damage and drought stress.
- Superior wear and traffic tolerance that withstands the abuse of cleated traffic with minimal damage and fast recovery.
- Super Elite varieties selected for uniform dark green genetic color for season long performance.
- Early spring green-up provides heavy-duty turf for spring sports.
- Excellent color/growth produces heavy-duty turf through the summer and fall seasons.
- Agronomically formulated for heavy-duty performance. No weak varieties, which erode performance are ever used to blend down the cost.
- Fine blade, dark green color, high density turf.

**SEEDING RATES**
New Seeding: 5-6 lbs./1,000 sq.ft.
Overseeding: 3 lbs./1,000 sq.ft.

## XALT SEED COATING

D & K Products is please to offer many of its premium grass seed blends with the state of the art **XALT** Seed coating. **XALT** seed enhancement is a science-based technology that can help seed reach its genetic potential by improving seedling performance.

**XALT** CONTAINS:
- Nutrients and L-amino acids that stimulate root growth
- Wate-absorbent polymer that holds moisture close to the seed for germination
- Apron XL fungicide protection from seedling disease

Blends coated with **XALT** technology require no change in seeding rate as the increased survival rate of the seeding more that compensates for the replacement of seed in a 50 lb. bags. Blends treated with **XALT** offer very little change in cost per bag for non treated blends and the result is incredible.

**2025 BLENDS CONTAINING XALT TECHNOLOGY INCLUDE:**
Signature Elite, Sport Turf 70/30, Sports Turf 50/50, HD Sports 2.0, HD Sports 2.0 Plus

# SPECIALTY SEED BLENDS

## LUMINARY CREEPING BENTGRASS

Luminary creeping bentgrass was developed by Dr. Stacy Bonos and Rutgers University from broad genetic-based germplasm. It has exceptional performance across multiple regions, in multiple independent tests.* It has improved resistance to dollar spot & snow mold diseases, saving time, money and improving conditions. It is compatible with older bents & lowers maintenance costs.

**APPLICATIONS**

- Putting greens, tees & fairways
- Inter-Seeding: compatible color & texture; blends well with existing turf (avoids the extremes exhibited by other cultivars).
- New construction & renovation: with the latest germplasm and a broad genetic background, Luminary provides superior playing conditions without the risk of added variety specific maintenance.

**FEATURES & BENEFITS**

- Fine yet durable
- Optimum density
- Versatile for tees & fairways
- Very good summer density
- Reduced fungicide needs
- Brilliant medium green color
- Resilient & wear tolerant with good recovery from ball marks. Not “puffy.”
- Early spring green up
- Excellent winter color
- Competitive with *Poa annua*

**SEEDING RATES:** 1-2 lb./1000 sq.ft. - local conditions vary and dictate rates

## MEMORIAL BENTGRASS

Memorial creeping bentgrass is outstanding for golf course tees, fairways and putting greens. It’s an excellent choice for overseeding into existing bentgrass tees and fairways. Bred at Rutgers University for a fine texture and optimum density, plus improved dollar spot performance, Memorial will compliment and improve “older generation” creeping bentgrass varieties, and is also ideal for improving turf quality and enhancing disease resistance in blends. It is less prone to scalping than the puffy, super-dense bents, and has a medium dark green genetic color that blends well with other grasses. It is an excellent stand-alone variety or as a component of Landmark’s CenterCut blend to provide superior performance coupled with genetic diversity.

**APPLICATIONS**
Tees, fairways, and putting greens.

**FEATURES & BENEFITS**

- Exceptional fairway, tee & greens turf quality
- Excellent disease resistance
- Not extremely dense; moderately open canopy provides outstanding year-round density
- Less prone to scalping; not puffy

**SEEDING RATES**
1-2 lb./1000 sq.ft. - local conditions vary and dictate rates

## SPECTRUM BENTGRASS

Spectrum is the latest generation creeping bentgrasses being developed at Rutgers University. Spectrum is the leading choice for golf courses that demand the highest turf quality and greatest resistance against a range of stresses. This variety is at the top of its class for Dollar Spot resistance, spring green up, traffic and wear tolerance in addition to overall turf quality. Optimal shoot density, pleasing bright green color and an upright growth habit make Spectrum the perfect choice for INTERSEEDING into older varieties.

**APPLICATIONS**
Tees, fairways, and putting greens.

**FEATURES & BENEFITS**

- Superior disease resistance: Dollar Spot, Brown Patch & Anthracnose
- Very fine leaf texture for a cleaner, tighter & smoother putting surface
- Exceptional ability to maintain high turf density all year long for increased resistance to Poa Annua invasion
- Improved traffic tolerance (foot & cart)

**SEEDING RATES**
0.5-1 lb./1000 sq.ft. (interseeding)
1.5-2 lb./1000 sq.ft. (new seeding)

BLEND VARIETIES ARE SUBJECT TO CHANGE WITHOUT NOTICE BASED UPON AVAILABILITY

## VERGE POLLINATOR LAWN MIX

Verge Pollinator Lawn Mixture is a low-growing minimal water use lawn alternative that provides ascetic beauty, shelter for pollinators, and an ecological carbon bank for your homescape. The mixture features several low growing, fine textured, cool and warm season grasses that combine
with various yellow, orange, pink and white flowers creating a resilient lawnscape built for the 21st century. Increases pollinators to improve environment. No fertilizer or herbicides required.

**SEEDING RATES**
2 lb./1000 sq.ft., germinates 5-14 days, mow at 6-8"

## OTHER VARIETIES

007 Bentgrass, 25 lb. bag
777 Bentgrass, 25 lb. bag
A-4 Bentgrass, 25 lb. bag
Center Cut 50/50, 25 lb. bag
Dominant Extreme 7, 25 lb. bag
Dominantor, 25 lb. bag
L-93 Bentgrass, 25 lb. bag
T-1 Bentgrass, 25 lb. bag
Not Too Tall Wildflower Mix, 1 lb. bag
Barenbrug Turf Star Premium Perennial Ryegrass, 50 lb. bag
Barenbrug RTF Turf Saver Rhizomatous Tall Fescue Blend, 50 lb. bag

CALL FOR PRICING DETAILS



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# FUNGICIDES



# BASF Intrinsic Holiday Spray Program Cool-Season Turf Guide

Intrinsic® Brand Fungicides

The BASF Intrinsic® Holiday Spray Program is an easy-to-follow agronomic program designed to help your course thrive under the toughest conditions. Apply **Intrinsic brand fungicides** around major summer holidays to help protect your cool-season greens, fairways and tees from heavy disease pressure and summer stressors like heat, humidity and heavy traffic.

## COOL-SEASON TURF

**MEMORIAL DAY TO LABOR DAY**

### *GREENS*

**Around Memorial Day**
**Lexicon® Intrinsic** brand fungicide

**Around Fourth of July**
**Lexicon Intrinsic** brand fungicide

**August**
**Navicon® Intrinsic** brand fungicide

**Around Labor Day**
**Lexicon Intrinsic** brand fungicide

### *FAIRWAYS & TEES*

**During May**
**Aramax™ Intrinsic** brand fungicide

**During July**
**Navicon Intrinsic** brand fungicide *or* **Honor® Intrinsic** brand fungicide *or* **Insignia® SC Intrinsic** brand fungicide

**Mid-August to Mid-September**
**Aramax Intrinsic** brand fungicide *or* **Navicon Intrinsic** brand fungicide *or* **Insignia SC Intrinsic** brand fungicide



To learn more about the BASF Intrinsic Holiday Spray Program, scan the QR code to visit **betterturf.basf.us/holidayspray** or contact BASF Sales Specialist, **Alex Tucker, at 515-388-2628 or alexander.tucker@basf.com**

BASF
We create chemistry

**Always read and follow label directions.**

All products may not be registered for use in all states. Please check with your state or local extension service. BASF reserves the right to cancel or modify this program at any time. Aramax is a trademark, and Honor, Insignia, Intrinsic, Lexicon and Navicon are registered trademarks of BASF Agricultural Solutions US LLC.
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# FUNGICIDES

**3336 EG**
**(Thiophanate-methyl) Benzimidazole**
**EPA REG #1001-89 • FRAC 1**
**$ 15.00 per lb. ***CLOSEOUT PRICE**
****We now offer ArmorTech TMI 2020XL*



A brand new extruded granule formulation of Clearys 3336 EG, a low-dust extruded granule with quick dissolve properties, 3336 EG extends many benefits to the user, including easy measuring and mixing. Diseases listed for control are: dollar spot, brown patch, anthracnose, pink snow mold, gray leaf spot, summer patch, ascochyta leaf blight, fusarium blight and necrotic ring spot. 3336 EG can be used in residential turf, commercial turf, golf course and landscape ornamentals. RATE: 2-6 oz./1000 sq.ft. *4 x 5 lbs/case.*

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**AFFIRM WDG**
**(Polyoxin D)**
**EPA REG #68173-3-10001 • FRAC 19**
**$ 825.00 per case**




Affirm WDG fungicide offers a unique mode of action to control diseases such as anthracnose and snow mold. It attacks turf disease through both foliar and translaminar systemic activity and can be used as either a preventative or curative. Affirm WDG is labeled for use on several turf diseases, but is best known for its anthracnose, brown patch and snow mold control. It also provides good control of fairy ring. RATE: 2.4 lbs./acre, 1 oz./1000 sq.ft. with a wetting agent for control of fairy ring. Also labeled for use on ornamentals. *3 x 2.4 lbs/case*

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**APPEAR II**
**(Potassium Phosphite) Phosphonate**
**EPA REG #100-1451 • FRAC P07**
**$ 219.00 per gallon in 2 gallons**



Appear II fungicide controls important diseases including *Pythium* and anthracnose, while enhancing color, turf quality and stress tolerance. Agronomic programs with Appear II excel when tank-mixed with Daconil Action or Secure Action fungicides. This improved formulation reduces the amount of UV light that penetrates and harms plant cells. It is quickly absorbed to help improve a plant's natural defense system and stimulate quicker recovery from abiotic stress. RATE: 3-8 fl. oz./1000 sq.ft. See label for details. *2 x 2 gallons/case*

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**ARAMAX INTRINSIC**
**(Triticonazole + Pyraclostrobin)**
**EPA REG #7969-488 • FRAC 3 + 11**
**$ 1,074.00 per gallon**
**$ 380.63 per 43.5 oz bottle**



Aramax Intrinsic is a broad-spectrum powerhouse formulated to protect your fairways from 26 of the toughest turf diseases, including snow mold, large patch, brown patch and dollar spot. It has buildable protection against pink, gray and speckled snow mold under variable disease pressure or snow cover. It provides reliable disease protection for up to 28 days. Aramax's dual-active ingredients expand spectrum and combat resistance for maximum disease control RATE: 1 fl. oz./1000 sq.ft. See label for details. *2 x 2.5 gallons/case or 4 x 43.5 oz/caase*

**ASCERNITY**
**(Benzovindiflupyr + Difenoconazole)**
**EPA REG #100-1477 • FRAC 7 + 3**
**$507.00 per gallon**



Ascernity fungicide combines SOLATENOL® technology (benzovindiflupyr) – an advanced SDHI for golf course turf – and difenoconazole, the proven cooling DMI, to prevent and control several key diseases in cool and warm-season turf including large patch, brown patch and anthracnose with no heat restrictions. RATE: Apply 1 oz./1,000 sq.ft. twice in the fall on a 28-day interval. Make a third application in the spring when turf growth resumes. *4 x 1 gallons/case*

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**AZOXY 2SC SELECT**
**(Azoxystrobin)**
**EPA REG #89442-21 • FRAC 11**
**CALL FOR PRICING**




Azoxy 2SC Select is recommended for control of anthracnose, brown patch, yellow patch, fusarium patch, gray leaf spot, gray snow mold, leafspot, melting out, necrotic ring spot, pink patch, pink snow mold, pythium blight, pythium root rot, red thread, rhizoctonia large patch, southern blight, spring dead spot, summer patch, take-all patch, and zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields. RATE: 0.38-0.77 oz./1000 sq.ft. *4 x 1 gallons/case*

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**BANNER MAXX II**
**(Propiconazole) Demethylation Inhibitor**
**EPA REG #100-1326 • FRAC 3**
**$ 260.00 per gallon**



A **systemic** fungicide for the control of dollar spot, snow mold, anthracnose, red thread, rust, powdery mildew and summer patch. Banner Maxx has acropetal systemic activity, which means the fungicide moves up the leaf blade to protect the plant from various turf diseases. While Banner Maxx is best known for its control of dollar spot, it also offers excellent control for summer patch and anthracnose. Banner Maxx is also a tank mix partner. RATE: For dollar spot 1 oz./1000 sq.ft. in 14 day intervals or 2 oz./1000 sq.ft. in 28 day intervals if used alone. *2 x 1 gallons/case*

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**BANOL**
**(Propamocarb) Carbamate**
**EPA REG #432-942 • FRAC 28**
**$ 506.80 per gallon in 2.5 gallons**
**$ 560.00 per gallon ***DISCONTINUED SIZE**




Banol is a **systemic** fungicide that is one of the better, effective fungicides for the control of pythium on a preventative and curative basis. Because it uses a multi-site mode of action, Banol has never had a documented case of pythium resistance. Apply as a preventative treatment during periods of high temperature and humidity favorable to the development of pythium blight. RATE: 1/13-2 oz. preventative, 3-4 oz. curative. 24-36 hours is needed for Banol to enter the plant and start working. *2 x 1 gallons or 2 x 2.5 gallons/case*

# FUNGICIDES

**NEW! BECTON**
**(Fluoxastrobin)**
**EPA REG #70506-396-86064 • FRAC 11**
**$ 1,200.00 per 64 oz. bottle**




For the control of foliar, stem and root diseases in turf and ornamentals for commercial production and in landscape areas around residential, municipal and commercial properties, field grown ornamentals and ornamentals in greenhouses, interior scapes and other enclosed structures. RATE: 0.18-0.36 oz./1000 sq.ft. *4 x 64 oz/case*

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**BRISKWAY**
**(Azoxystrobin+Difenoconazole)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #100-1433 • FRAC 11 + 3**
**$ 1,486.00 per gallon**




Briskway is a new broad-spectrum fungicide for prevention and control of certain diseases in golf course turfgrasses only. Briskway is labeled for the control and prevention of summer patch, leaf spot, take-all patch, rust, necrotic ring spot, powdery mildew, red thread, fairy ring, fusarium patch, gray leaf spot, yellow patch, cool season brown patch, brown patch, anthracnose and dollar spot. Briskway is an excellent choice for greens sprays and great in rotation with other fungicides for resistance management. RATE: 0.3-0.725 oz./1000 sq.ft. *2 x 1 gallons/case*

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**CHIPCO 26GT FLOWABLE**
**(Iprodione) Dicarboximide**
**EPA REG #432-888 • FRAC 2**
**$ 140.00 per gallon ***CLOSEOUT PRICE**

Chipco GT has the unique properties of being both a contact and a local systemic fungicide. This formulation gives you quicker control of the disease with quicker uptake into the plant compared to 26019 and all other generic IpRodione products. 26 GT will start to control mycelium within 24 hours of application, which is 3 times faster than the generic formulations. Chipco GT is a foliar applied fungicide for the prevention and control of dollar spot, brown patch, leaf spot, and fusarium patch. RATE: 3-4 oz./1000 sq.ft. for dollar spot and leaf spot. *2 x 2.5 gallons/case.*

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**CHIPCO 26019**
**(Iprodione) Dicarboximide**
**EPA REG #432-888 • FRAC 2**
**$ 135.00 per gallon in 2.5 gallons**

The original formulation of Chipco 26GT for budget sensitive applications. Chipco 26019 should be used as a tank mix partner for better control of turf diseases. RATE: 3-4 oz./1000 sq.ft. for dollar spot and leaf spot. *2 x 2.5 gallons/case*

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**CHIPCO SIGNATURE**
**(Aluminum tris)**
**EPA REG #101563-18 • FRAC P07**
**$ 404.80 per 11 lb bottle**



Chipco Signature is different from other fungicides in that it is truly systemic, traveling up and down within the plant. This product is the foundation turf fungicide for disease management and turf quality in every season. Chipco Signature protects turf from stresses during summer and winter decline, and it improves turf quality: color, density, vigor, uniformity and playability. For pythium control, it should be alternated with Subdue, Banol, Segway or Stellar in a spray program. RATE: 4 oz./1000 sq.ft. in sufficient water at 14 day intervals. *4 x 11 lb/case*

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**CHLOROTHALONIL 720 SFT**
**(Chlorothalonil)**
**EPA REG #66222-154 • FRAC M5**
**$ 75.00 per gallon in 2.5 gallons**



Chlorothalonil 720 SFT is economical, cost-effective, broad-spectrum disease control for cool and warm season grasses, trees, shrubs, and flowers. It's an excellent tank mix partner with most fungicides. Labeled for use on cool and warm season grasses and on labeled ornamentals. Contact mode of action for quick results. Multi-Site activity means no disease resistance with repeated use. RATE: 2.125-7.66 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**CHLOROTHALONIL DF**
**(Chlorothalonil)**
**EPA REG #66222-149 • FRAC M5**
**$ 18.00 per lb.**



Features preventative disease protection with multi-site activity which means no resistance with repeated use. Excellent tank mix partner with most other fungicides. Labeled for use on cool and warm season grasses and on all labeled ornamentals. Contact mode of action for quick results. Easy to use dry flowable formulation. RATE: 5-10 lbs./acre *4 x 5 lb/case*

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**CLT 720 FL**
**(Chlorothalonil)**
**EPA REG #86064-2 • FRAC M5**
**$ 63.00 per gallon in 2.5 gallons**




A liquid flowable fungicide, ArmorTech® CLT 720 FL provides curative and preventative disease protection against major turf and ornamental diseases, including: Dollar Spot, Brown Patch, Algae, Leaf Spot, Anthracnose, Powdery Mildew, Leaf Blotch, Rusts, etc. CLT is an excellent tank mix partner with most other fungicides. Contact mode of action allows quick results and multi-site activity means no disease resistance with repeated use. Compare to Daconil Weatherstick. RATE: 2-5.5 oz./1000 sq.ft. for greens, 5.5-15 pints/acre for fairways. *2 x 2.5 gallons/case*

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**NEW! CLT 825 DF**
**(Chlorothalonil)**
**EPA REG #86064-1 • FRAC M5**
**$ 13.00 per lb in 5 lb**




CLT 825, a dry flowable fungicide, provides broad spectrum disease control for cool and warm season grasses, trees, shrubs and flowers. Contact mode of action allows quick results against major turn and ornamental diseases, including Dollar Spot, Brown Patch, Algae, Leaf Spot, Anthracnose, Powdery Mildew, Leaf Blotch, Rusts and others. Multi-site activity means no disease resistance with repeated use. Compare to Daconil Ultrex. RATE: 1.82-5 oz./1000 sq.ft. for greens and tees, 5-13.7 lbs./acre for fairways, lawns, etc. See label for details. *4 x 5 lb./case*



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# FUNGICIDES

**CONCERT II**
**(Chlorothalonil +Propiconazole)**
**Nitrile, Demethylation Inhibitor**
**EPA REG #100-1347 • FRAC M5 + 3**
**$ 108.00 per gallon in 2.5 gallons**



The power of two fungicides now together as one. Banner Maxx is combined with Daconil to produce one of the most commonly used tank mixes in one product. Concert II is a combination of contact and systemic fungicides that provides broad spectum control of many important plant diseases. Concert II is labeled for the control and prevention of many turf diseases, including: anthracnose, brown patch, dollar spot, fusiarium patch, rust and many more. RATE: 3-5.5 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**CUPRO 5000**
**(Copper Hydroxide) Nitrile, Demethylation Inhibitor**
**EPA REG #80289-2-67690**
**$ 25.00 per lb.**



CuPRO 5000 is an advanced copper fungicide/bactericide technology that delivers excellent disease control with all the advantages of a dry flowable: decreased handling, decreased dust exposure, easier packaging, and shortened loading times. Featuring fine, irregularly-shaped particles, It's formulation delivers a greater surface area on which cupric ions can be stored and then released on the leaf surface, providing maximum coverage. The formulation dissolves easily for convenient mixing and application. RATE: 1.5-5 lbs./100 gallons *8 x 3 lbs/case*

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**DACONIL ACTION**
**(Chlorothalonil +Acibenzolar) Nitrile**
**EPA REG #100-1364 • FRAC M5 + P1**
**$ 106.00 per gallon in 2.5 gallons**



Daconil Action is a contact fungicide with a systemic compound used for the control and suppression of disease through induction of host plant resistance. It exhibits an additional unique mode of action, which mimics the natural systemic activated resistance (SAR) response found in most plant species. This SAR response does not involve direct activity against the target pathogens. Daconil Action results are best when used in multiple applications so that the Acibenzolar response can be fully stimulated. Daconil Action can be used for the prevention and control of dollar spot, leaf spot, brown patch, gray leaf spot, red thread, anthracnose, rust, fusarium patch, gray snow mold and algae. RATE: 2-5.4 oz./1000 sq.ft. **SEASONAL CHLOROTHALONIL CAPS APPLY**. *2 x 2.5 gallons/case*

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## MULTIPAK SAVINGS

**DACONIL ACTION & APPEAR II MULTIPAK**
**$ 508.00 per case**
*Contains 1 - 1.19 gallon jug of Daconil Action, 2 gallons of Appear.*

**DACONIL ACTION & BANNER MAXX MULTIPAK**
**$ 473.00 per case**
*Contains 1- 2.5 gallon jug of Daconil Action, 1 gallon of Banner Maxx.*

**DACONIL ACTION & HERITAGE ACTION MULTIPAK**
**$ 892.00 per case**
*Contains 1- 2.5 gallon jug of Daconil Action, 2 - 1 lb. bags of Heritage Action.*

**DACONIL ULTREX**
**(Chlorothalonil) Nitrile**
**EPA REG #50534-202-100 • FRAC M5**
**$ 17.00 per lb**



A 82.5% water dispersible granule formulation that is easy to handle. It goes into solution the instant it is mixed with water. Daconil Ultrex is Daconil Weatherstik. It can be used for the prevention and control of dollar spot, leaf spot, brown patch, gray leaf spot, red thread, anthracnose, rust, fusarium patch, gray snow mold and algae. If being used for snow mold prevention, Weatherstik is a better choice for its increased sticking power to leaf tissue. RATE: 5-10 lbs./acre. See label for details. **SEASONAL CHLOROTHALONIL CAPS APPLY.** *4 x 5 lb/case.*

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**DACONIL WEATHERSTIK**
**(Chlorothalonil) Nitrile**
**EPA REG #50534-209-100 • FRAC M5**
**$ 84.00 per gallon in 2.5 gallons**



A contact fungicide for the control of several turf diseases. Daconil Weatherstik is a 6 lb. active per gallon, compared to the generic products which are only a 4 lb. active. Daconil Weatherstik can be used for the prevention and control of dollar spot, leaf spot, brown patch, gray leaf spot, red thread, anthracnose, rust, fusarium patch, gray snow mold and algae. Daconil Weatherstik also contains a sticking agent that keeps the fungicide on the plant where it needs to be, unlike the generics. RATE: 2.125-7.66 oz./1000 sq.ft. **SEASONAL CHLOROTHALONIL CAPS APPLY.** *2 x 2.5 gallons/case*

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**DACONIL ZN**
**(Chlorothalonil) Nitrile**
**EPA REG #50534-211-100 • FRAC M5**
**$ 87.00 per gallon in 2.5 gallons**



Daconil ZN is a 4 lb. flowable formulation of Daconil with zinc added as a micronutrient for zinc-deficient plants. The added zinc makes Daconil ZN a better formulation for algae and moss control. RATE: 3-6 oz. preventative, 6-11 oz. curative. **SEASONAL CHLOROTHALONIL CAPS APPLY TO THIS PRODUCT.** *2 x 2.5 gallons/case*

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**DENSICOR**
**(Prothioconazole)**
**EPA REG #432-1612 • FRAC 3**
**$ 702.80 per bottle**



Densicor is a powerful DMI fungicide that provides next-level control of dollar spot, brown patch, anthracnose, gray leaf spot, snow mold and other harmful diseases without thinning your turf. In addition to offering a one-product solution to the toughest diseases, Densicor also features an excellent turf safety profile, ultra-low use rate, convenient packaging and is affordable so it can be used across fairways, tees and greens. RATE: 8.5 fl. oz./acre on a 14-21 day interval. Do not exceed 8.5 oz. per application or 25.6 fl. oz. per year. *8 x 51 oz. bottles/case*

# FUNGICIDES

**EAGLE 20EW**
**(Myclobutanil) Demethylation Inhibitor**
**EPA REG #62719-463 • FRAC 3**
**$ 256.00 per gallon**
**$ 66.00 per pint**



A liquid formulation of Eagle Brand fungicide. Eagle 20 EW is a systemic protectant and curative fungicide for disease control in turfgrass (including fairways, roughs, tee boxes, and greens), landscape ornamentals, greenhouse and nursery ornamentals, apples, stone fruit and grapes. Rate: 1.2-2.4 oz./1000 sq.ft. *4 x 1 gallons/case or pints*

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**ECHO ULTIMATE ETQ**
**(Chlorothalonil) Tetrachloroisophthalonitrile**
**EPA REG #60063-36 • FRAC M5**
**$ 19.00 per lb.**



Echo Ultimate ETQ contains the active ingredient Chlorothalonil, comparable to Daconil Ultrex. It is a proven, long-residual contact fungicide that protects turf and ornamentals from more than 75 diseases. It has no resistance issues and naturally adheres to the plant surface. It is ideal for use with newer fungicides to manage their resistance and broaden their disease-control spectrum. RATE: 5-10 lbs./acre *4 x 5 lb/case*

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**EMERALD**
**(Boscalid) Anilene**
**EPA REG #7969-196 • FRAC 7**
**$ 127.40 per .49 lb.**



Emerald fungicide provides excellent preventative control of dollar spot. It is effective against strains of dollar spot resistant to other turfgrass fungicides. It is advised that it be applied no more than twice in a row without rotating off to another fungicide to avoid resistancy issues. Emerald should be used when dollar spot pressure is at the greatest point in the growing season. RATE: 0.13-0.18 oz./1000 sq.ft. (preventative applications of 0.18 oz. should get you 28 day control of dollar spot). **2 gallons of water/1000 sq. ft. is recommended.**
*10 x 0.49 lb case*

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**ENCARTIS**
**(Boscalid) Chlorothalonil**
**EPA REG #7969-348 • FRAC 7 + M5**
**$ 140.00 per gallon in 2.5 gallons**



Encartis fungicide pairs the strength of Boscalid (the active ingredient in Emerald) and chlorothalonil in the perfect ratio to provide preventive and curative activity on warm- and cool-season turf. The advanced dual-active solution gives powerful, long lasting control for up to 28 days and helps you maintain healthier, disease-free playing conditions. While perfect for fairways, It can be used anywhere on the golf course, including tees and greens, any time of the year to control key diseases. RATE: 3-4 oz./1000 sq.ft. *2 x 2.5 gallons/case*

**EXTERIS STRESSGARD**
**(Fluopyram + Trioxystrobin) Anilene, Strobilurin**
**EPA REG # 432-1536 • FRAC 7+11**
**$ 148.00 per gallon in 2.5 gallons**



Exteris Stressgard combines an SDHI active ingredient (fluopyram) with a proven QoI partner (trifloxystrobin) to deliver broad-spectrum disease control on golf greens, tees and fairways. Thanks to dual-stacked formulation enhancements including Stressgard® Formulation Technology, this product delivers increased plant health benefits and improved turf quality. It offers preventative and curative activity to control key turfgrass diseases across a wide range of spray volumes. It dries and is absorbed quickly, and features properties that yields dew mitigation under certain conditions. It has demonstrated excellent tank-mix compatibility with a number of other turf products, making it simple to integrate into your current disease program. Labeled for the control of dollar spot, anthracnose, brown patch, pink snow mold, rust and grey leaf spot. RATE: 1.5-6 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**FAME SC**
**(Fluoxastrobin) Strobilurin**
**EPA REG #66330-64-279 • FRAC 11**
**$ 428.00 per pint**
**$ 1,549.45 per 64 oz.**

Fame SC Fungicide provides protection from all major patch, spot, and mold diseases at a competitive cost per acre, so you can use it anywhere on your course. Fame SC is an ideal fit as a foundation Strobilurin fungicide, used alone or tank-mixed with DMI or contact products to control all major turfgrass diseases, including anthracnose, brown patch, zoysia patch, summer patch, gray leaf spot, and pythium. Fame SC Fungicide is labeled for control of light-to-moderate infestation of dollar spot. RATE: 0.18-0.36 fl. oz./1000 sq.ft. *4 x 16 oz/case or 4 x 64 oz*

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**FIATA STRESSGARD**
**(Phosphorous acid) Phosphonate**
**EPA REG #432-1522 • FRAC 33**
**$ 76.80 per gallon**



Fiata is a systemic fungicide and booster of plant defense mechanisms that is used for the suppression of pythium blight and damping off diseases of turfgrass on sod farms, golf courses, sports fields, parks, residential and commercial sites. This combination of phosphorous acid and Stressgard Technology offers a different option than just the phosphyte products alone by adding extending control. RATE: 5-15 oz./1000 sq.ft. *2 x 2.5 gallons per case*

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**FLUAZINAM 40 SC SELECT**
**(Fluazinam)**
**EPA REG #89442-37 • FRAC 29**
**CALL FOR PRICING**



Fluazinam 40SC Select is a broad-spectrum, multi-site fungicide to control diseases in turf grasses on golf courses only. The active ingredient, fluazinam, is the only registered fungicide for turf in FRAC group 29. It has no known resistance and as a multi-site contact, it has a very low risk of developing resistance. Fluazinam 40SC Select, when partnered with chlorothalonil-based fungicides, provides season-long protection against the toughest turf diseases without interruptions. RATE: 0.5 oz./1000 sq.ft. *2 x 2.5 gallons or 4 x .50 gallon/case*



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# FUNGICIDES

**FLUZOXY-T**
**(Fluazinam + Tebuconazole + Azoxystrobin)**
**EPA REG #53883-502-86064 • FRAC 29+3+11**
**CALL FOR PRICING**




Armortech FluZoxy-T, by United Turf Alliance, provides broad-spectrum control of turfgrass diseases including anthracnose, dollar spot, and snow mold on golf courses. A unique combination of three types of contact and systemic fungicides, it is an efficient, convenient, and economical solution for many turf diseases. It contains fluazinam (19.5%), tebuconazole (6.8%), and azoxystrobin (6.2%). FluZoxy-T is labeled for use on golf courses. RATE: 1.16 oz./1000 sq.ft. *2 x 2.5 gallons*

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**HEADWAY**
**(Azoxystrobin + Propiconazole)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #100-1216 • FRAC 11+3**
**$ 547.00 per gallon**




Headway fungicide combines the power of the two active ingredients, found in Heritage and Banner Maxx II fungicides, to deliver broad-spectrum disease control against dollar spot, brown patch, and other major turf diseases. Formulated to balance each active ingredient for control and optimum efficacy. Dual modes of action help ward off disease resistance and control a wide range of diseases. RATE: For spot treatments, use 1.5 fl.oz./ 1-2 gallons of water. *2 x 1 gallons per case*

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**HEADWAY G**
**(Azoxystrobin + Propiconazole)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #100-1378 • FRAC 11+3**
**$ 110.00 per bag**




A granular formulation of Headway fungicide for quick spot applications on the golf course, and easy to use applications in lawn care. Headway G is an excellent choice for preventative snow mold applications in situations where a liquid application is no possible late in the Fall. RATE: 2-4 lbs./1000 sq.ft. for all applications except snow mold. Preventative snow mold rate is 5 lbs./1000 sq.ft. *30 lb. bag*

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**HERITAGE ACTION**
**(Azoxystrobin + Acibenzolar-S-Methyl) Strobilurin**
**EPA REG #100-1550 • FRAC 11 + P1**
**$ 386.00 per lb.**



Heritage Action offers hybrid technology for enhanced biotic and abiotic stress management. It's a broad-spectrum, systemic fungicide for the prevention and control of turf diseases on golf courses, sod farms, institutional, commercial and industrial buildings, and athletic fields. It contains two active ingredients that work together to control disease while protecting turf from abiotic stress like heat and drought. RATE: 0.2-0.4 fl. oz./1000 sq.ft. *6 x 1 lb/case*

## MULTIPAK SAVINGS

**HERITAGE ACTION + VELISTA MULTIPAK**
**$ 1,844.00 per case**
*Contains 3 - 1 lb. of Heritage Action, 3 - 22 oz. Velista fungicide.*

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**HERITAGE G**
**(Azoxystrobin) Strobilurin**
**EPA REG #100-1323 • FRAC 11**
**$ 110.00 per bag**




Heritage G is a granular fungicide for use on turf and provides the same long-lasting broad-spectrum control of turfgrass diseases, including brown patch, anthracnose and take-all patch. Heritage G is perfect for operations that want to provide top-notch disease control, without the attributes of a liquid fungicide or when weather conditions prevent spraying. By using a highly water-soluble carrier, Heritage G is able to provide the effectiveness of a sprayable with the convenience of a granular. RATE: 2-4 lbs./1000 sq.ft. *30 lb. bag*

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**HERITAGE TL**
**(Azoxystrobin) Strobilurin**
**EPA REG #100-1191 • FRAC 11**
**$ 614.00 per gallon**




A MEC formulation that adds increased flexibility to the Heritage family. The active ingredient is 1000 times finer in particle size, which allows faster entry into the plant, providing even quicker knockdown of many diseases. It provides superior root disease control because of faster entry into roots before diseases like take-all and summer patch have a chance. RATE: 1-2 oz./1000 sq.ft. Refer to the label for details. *2 x 1 gallon/case*

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**HERITAGE WDG 6 X 1**
**(Azoxystrobin) Strobilurin**
**EPA REG #100-1093 • FRAC 11**
**$ 374.00 per lb.**




The orginal standard formulation of Heritage. Heritage fungicide is a systemic fungicide for use on turf. It is a great fungicide for the long-term control of brown patch, grey leaf spot and snow mold. It is also one of the best products for preventative use on summer patch and take-all patch. Heritage has no activity on dollar spot, so when dollar spot is present, a dollar spot fungicide must be tank mixed with Heritage. Rate: 0.2-0.4 oz./1000 sq.ft. *6 x 1 lb/case*

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**HONOR INTRINSIC**
**(Pyraclostrobin + Boscalid) Strobilurin, Anilene**
**EPA REG #7969-255 • FRAC 11+7**
**$ 204.00 per lb. in 3 lb containers**
**$ 5,328.00 per 36 lb drums**




Honor Intrinsic brand fungicide is a combination of pyraclostrobin, the active ingredient in Insignia fungicide, and boscalid, the active ingredient in Emerald fungicide. This new pre-mix provides two modes of action and delivers unsurpassed control of the top diseases that Superintendents battle, such as dollar spot, fairy ring, anthracnose, patch diseases (brown, take-all, and summer), leaf spots and many others. Intrinsic is a brand of products from BASF that provide disease control and plant health benefits. RATE: 0.55-1.1 oz./ 1000 sq.ft. *6 x 3 lb/case or 36 lb drum*

# FUNGICIDES

**INSIGNIA SC INTRINSIC**
**(Pyraclostrobin) Strobilurin**
**EPA REG #7969-290 • FRAC 11**
**$ 594.75 per 30.5 oz.**
**$ 1,548.00 per gallon in 2.5 gallons**



Research shows turf treated with Insignia shows improved stress management, including drought/moisture, temperature extremes and mechanical stress. Research also shows turf treated with Insignia has increased root length and density. It is labeled for anthracnose, bentgrass dead spot, brown patch, brown ring patch, fairy ring, fusarium patch, gray leaf spot, gray snow mold, leaf spot, necrotic ring spot, pythium blight, pythium root dysfunction, rust, summer patch, take-all patch, yellow tuft to name a few. RATE: 0.4-0.7 oz./1000 sq.ft. *4 x 30.5 oz. or 2 x 2.5 gallon/case*

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**INSTRATA**
**(Chlorothalonil, Propiconazole, Fludioxonil)**
**Nitrile, Demethylation Inhibitor, Phenypyrrole**
**EPA REG #100-1231 • FRAC M5 + 3 + 12**
**$ 192.00 per gallon in 2.5 gallons**



A powerful combination fungicide from Syngenta. Instrata combines the power of Daconil, Banner and Medallion to give you a fungicide that gives broad-spectrum control of several turf diseases, including but not limited to, anthracnose, brown patch, dollar spot, gray leaf spot and summer patch. It is best known for its preventative control of pink and gray snow mold. RATE: 2.75-6 oz. most all diseases, 8-11 oz. for snow mold. *2 x 2.5 gallons/case*

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**INTERFACE STRESSGARD**
**(Iprodione + Trifloxystrobin)**
**Dicarboximide, Strobilurin**
**EPA REG #432-1505 • FRAC 2 + 11**
**$ 229.20 per gallon in 2.5 gallons**



A combination product from Bayer that offers the contact systemic control of Chipco 26GT with the extended control of Compass fungicide along with Bayer Stressgard technology for increased plant health. Interface Stressgard is labeled for use on dollar spot, brown patch, leaf spot, fusarium patch, as well as pink and gray snow mold. Interface is a great snow mold control when mixed with Triton Flo. RATE: 3-7 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**IP 238**
**(Iprodione)**
**EPA REG #53883-375-86064 • FRAC 2**
**$ 115.00 per gallon**



ArmorTech IP 238 is a fungicide recommended for control of spring, summer, fall and winter diseases on non-residential turf located on golf courses, sod farms and institutional areas where fine turf is grown, and on non-residential ornamental flowers and foliage plants grown in field and landscape nurseries or greenhouses, and in conifer nurseries. RATE: 2-8 fl. oz./1000 sq.ft. *2 X 2.5 gallons/case*

**KABUTO**
**(Isofetamid) Anilene**
**EPA REG #71512-23-2217 • FRAC 7**
**$ 110.00 per 21.8 oz. bottle *CLOSEOUT SIZE**
**$ 655.00 per gallon**



Kabuto Fungicide SC is a new proprietary liquid formulation to control dollar spot diseases in turfgrass. It is proven in university research and end-user trials to provide preventative and curative dollar spot control, including control of carboxamide resistant dollar spot. It inhibits all stages of development in the fungal lifecycle, and can be applied up to eight times per year with no resistance issues. RATE: 0.4-0.5 fl. oz./1000 sq.ft. *6 x 21.8 oz. or 4 x 1 gallons/case*

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**KALIDA**
**(Fluindapyr + Flutriafol)**
**EPA REG #279-3641 • FRAC 7 + 3**
**$ 825.00 per 64 oz. bottle**

Kalida Fungicide combines the active ingredients fluindapyr (a novel SDHI) and flutriafol (next-generation DMI) into a powerful duo. With proven turf safety and dual modes of action, Kalida can tackle bipolaris leaf spot, take-all root rot, large patch and other labeled diseases in a variety of warm-season turfgrasses and anthracnose, fairy ring, dollar spot, brown patch and other labeled diseases in cool-season turfgrasses. RATE: 0.25-0.40 fl. oz./1000 sq.ft. *4 x 64 oz. bottles/case*

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**LEXICON**
**(Fluxapyroxad + Pyraclostrobin) Anilene, Strobilurin**
**EPA REG #7969-350 • FRAC 7 + 11**
**$ 645.75 per 21 oz. bottle**



Lexicon combines Insignia SC with Xzemplar fungicide to provide excellent control of anthracnose, brown patch, dollar spot, fairy ring, gray leaf spot, summer patch, leaf spots and take-all patch. It is labeled for use on golf courses, sports fields, parks, residential lawns, sod farms, and cemeteries. It is an excellent greens program product, as it provides up to 28 days control at the high rate. It is recommended not to apply more than two sequential applications of Lexicon or any of its components. Do not reapply Lexicon until after another non-strobilurin fungicide has been used. RATE: 0.37-0.47 fl. oz./1000 sq.ft. *4 x 21 oz. bottles/case*

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**MANZATE MAX T & O**
**(Mancozeb)**
**Manganese, Zinc, Ethylenebisdithiocarbamate ion**
**EPA REG #70506-194**
**$ 100.00 per gallon in 2.5 gallons**



Manzate Pro-Stick T&O is a Flowable formulation of the broad-spectrum protectant fungicide which provides control for most common turfgrass diseases and many fungal diseases of certain ornamentals. Disease of turfgrasses and ornamentals can attack suddenly and unexpectedly causing severe damage and may even result in total loss of large areas of valuable turfgrass and ornamental plants. RATE: 5-14 oz./1000 sq.ft. *2 x 2.5 gallons/case*



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# FUNGICIDES

**MAXTIMA**
**(Mefentrifluconazole)**
**EPA REG #7969-404 • FRAC 3**
**$ 960.00 per gallon in 2.5 gallons**
**$ 244.40 per 26 oz. bottle**



Maxtima fungicide is a cutting-edge DMI that can safely and affordably be sprayed at any temperature, on any turf variety. It's cost-effective for fairways and can be used anywhere on your course – on any turf – to help ensure disease-free playing conditions all year long. Maxtima controls the toughest diseases including: dollar spot, anthracnose, summer patch, fairy ring, spring dead spot, take-all root rot. Maxtima is effective against DMI resistant disease strains! RATE: 0.2-0.8 oz./1000 sq.ft. *2 x 2.5 gallons or 4 x 26 oz. bottles/case*

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**MEDALLION SC**
**(Fludioxonil) Phenypyrrole**
**EPA REG #100-1448 • FRAC 12**
**$ 699.00 per gallon**



A new suspended crystal formulation of Medallion WP designed for quicker uptake and control of certain foliar, stem and root diseases in turfgrass, including golf courses, institutional, commercial and residential lawns, sod farms, sports fields, parks, municipal grounds and cemeteries. It is labeled for anthracnose, brown patch, leaf spot, summer patch, yellow patch, pink and gray snow mold, fusarium patch, and gray leaf spot. RATE: 0.75-2 fl. oz./1000 sq.ft. *2 x 1 gallons/case*

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**MEFENOXAM 2 AQ**
**(Mefenoxam) Phenylamide**
**EPA REG #66222-216 • FRAC 4**
**$ 525.00 per gallon in 1 gallon**
**$ 490.00 per gallon in 2.5 gallons**



Mefenoxam 2 AQ is a post patent water-based efenoxam formulation featuring low odor. Mefenoxam's systemic mode of action and translocation through the plant can provide up to 3 weeks protection. For use on nursery, greenhouse, turf and trees. Effective against pythium, phytophthora, yellow tuft, and downy mildew. RATE: 1.23-2.45 fl. oz./1000 sq.ft. *2 x 1 gallons or 2 x 2.5 gallons/case*

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**MIRAGE STRESSGARD**
**(Tebuconazole) Demethylation Inhibitor**
**EPA REG #432-1529 • FRAC 3**
**$ 195.20 per gallon**

Mirage Stressgard is a broad-spectrum fungicide for the control of many turf diseases on golf course turf only. With Bayer's Stressgard technology added, Mirage becomes an excellent economical choice for use on fairways, greens and tees for diseases such as anthracnose, brown patch, dollar spot, fairy ring, gray leaf spot, summer patch, leaf spot, take-all patch, gray and pink snow mold, red thread, rust, and take-all root rot. Mirage is an excellent tank mix partner for preventative snow mold control in the fall. RATE: 1-2 oz., not to exceed 6.5 oz./1000 sq.ft. annually *2 x 2.5 gallons/case*

**MYCLOBUTANIL 20 EW**
**(Myclobutanil) Demethylation Inhibitor**
**EPA REG #66222-185 • FRAC 3**
**$ 195.00 per gallon**



Myclobutanil is a post-patent formulation that is a systemic, preventative and curative fungicide for the control of many diseases in established turf (residential and commercial lawns, turf, golf course fairways, greens and roughs), landscape ornamentals and nursery/greenhouse ornamentals. Effective treatment for dollar spot, anthracnose, spring dead spot, brown patch, summer patch, powdery mildew, rust, and necrotic ring spot. RATE: 1.0-2.4 fl. oz./1000 sq.ft. *2 x 1 gallons/case*

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**NAVICON INTRINSIC**
**(Mefentrifluconazole, Pyraclostrobin)**
**EPA REG #7969-403 • FRAC 3 + 11**
**$ 1,500.00 per gallon**
**$ 592.00 per 37 oz. bottle**



Powered by Revysol active ingredient, Navicon is a groundbreaking new broad-spectrum DMI combined with the plant health benefits of Intrinsic brand fungicides to provide turf-safe, highly effective control of some of the toughest diseases. This dual-action fungicide can be sprayed on any turf at any temperature, delivering powerful plant health from the roots up. Navicon controls the toughest diseases including: dollar spot, anthracnose, summer patch, fairy ring, spring dead spot, bipolaris leaf spot, take-all root rot. RATE: 0.7-0.85 oz./1000 sq.ft. *2 x 2.5 gallons or 4 x 37 oz. bottles/case*

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**PILLAR GRANULAR**
**(Pyraclostrobin + Triticonazole)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #7969-304 • FRAC 11 + 3**
**$ 160.00 per bag**



Pillar G is a combination of Insignia and Trinity fungicide on a granular carrier. These two highly-effective active ingredients deliver excellent disease control on turf diseases, such as dollar spot, anthracnose, brown patch, fairy ring, fusarium patch, gray leaf spot, leaf spot, necrotic ring spot, pink patch, pink and gray snow mold, pythium blight, pythium root dysfuntion, rust, summer patch, take-all patch, and yellow tuft. Pillar is labeled for use on golf courses, residential and commercial lawns, sod farms, sports fields, parks and cemeteries. RATE: 3 lbs./1000 sq.ft. *30 lb. bag treats 10,000 sq. ft.*

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**PILLAR SC**
**(Pyraclostrobin + Triticonazole)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #7969-480 • FRAC 11 + 3**
**$ 316.00 per 43.5 oz bottle**
**$ 182.00 per gallon**



Pillar SC pairs the strength of two active ingredients in one powerful broad-spectrum solution for fast curative activity and residual control for up to 28 days. It controls the toughest lawn diseases, including dollar spot some solo products leave behind. In addition to excellent disease control, it is EPA labeled to improve stress tolerance and growth efficiency to help you achieve beautiful, resilient, high-quality lawns for your customers. The liquid formulation is easier to mix and load and stays in suspension without clogging or settling out. RATE: 1 oz./1000 sq.ft. *4 x 4.35 oz. or 2 x 1 gallons/case*

# FUNGICIDES

**PINPOINT**
**(Mandestrobin) Strobilurin**
**EPA REG # 59639-199 • FRAC 11**
**$ 495.00 per 60 oz. bottle**



Pinpoint Fungicide is a new tactical advantage in the battle against dollar spot. Optimized for early through late-season control, Pinpoint enhances existing disease management programs with a surgical strike against dollar spot. This excellent rotation partner offers proven performance in university trails and delivers a unique, targeted active ingredient to help maintain spotless turf. Pinpoint also delivers excellent turf tolerance. Labeled for the control of Dollar Spot, Brown patch, Fairy Ring and Take-all Patch. RATE: 7.4-13.5 oz./acre *6 x 60 oz. per case*

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**POSTERITY**
**(Pydiflumetofen) Anilene**
**EPA REG #100-1600 • FRAC 7**
**$ 1,738.00 per 105 oz. bottle**
**$ 1,007.00 per 42 oz. bottle**



Posterity fungicide is the most active SDHI fungicide on the market. Providing power that lasts, it holds stronger for up to 28 days of dollar spot control and delivers consistent spring dead spot control. Posterity is labeled for all golf course turf and fits in agronomic solutions to protect cool- and warm-season turf. Posterity has an increased affinity for the waxy layer of the turfgrass plant, providing rain-fastness for enhanced performance. It is designed to remain in the plant longer for consistent control. RATE: 0.08-0.32 oz./1000 sq.ft. *2 x 105 oz bottles or 2 x 42 oz. bottles/case*

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**POSTERITY FORTE**
**(Pydiflumetofen + Propiconazole + Azoxystrobin)**
**EPA REG #100-1604 • FRAC 7 + 3 + 11**
**$ 852.00 per gallon**



Posterity Forte fungicide is an advancement of the Posterity brand that is the driving force for powerful, targeted control of key turf diseases. In addition to spring dead spot, dollar spot, leaf spot and brown patch control, Posterity Forte is key for preventing bermudagrass decline in fall through spring transitions, with the added benefit of enhanced winter quality. It contains three leading active ingredients in different FRAC groups, including ADEPIDYN technology (pydiflumetofen). RATE: 0.42-0.84 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**POSTERITY XT**
**(Pydiflumetofen + Propiconazole + Azoxystrobin)**
**EPA REG #100-1654 • FRAC 7 + 3 + 11**
**$ 261.00 per gallon**



Posterity XT provides up to 28 days of control of more than 20 diseases including dollar spot, brown patch, summer patch and more. It provides optimum protection against soil-borne diseases like summer patch, leaf spot, take-all patch and fairy ring. Posterity XT contains three leading active ingredients in different FRAC groups, including ADEPIDYN® technology (pydiflumetofen), for enhanced control, spectrum and resistance management. RATE: 1.5-3 oz./1000 sq.ft. *2 x 2.5 gallons/case*

**PPZ 143 MC**
**(Propiconazole) Demethylation Inhibitor**
**EPA REG #86064-4 • FRAC 3**
**$ 105.00 per gallon in 1 gallon**
**$ 95.00 per gallon in 2.5 gallons**




PPZ 143 provides economical, broad-spectrum control for cool and warm season grasses, trees, shrubs and flowers. Locally systemic mode of action provides long-lasting disease control for more than 49 turf and ornamental diseases including: Dollar Spot, Summer Patch, Leaf Spot, Anthracnose, Brown Patch, Powdery Mildew, Rusts, Pink and Gray Snow Mold, Gray Leaf Spot and Zoysia Patch. Water-based microemulsion concentrate formulation produces reduced odors, increases tank stability and allows for excellent plant coverage. Compare to Banner MAXX. RATE: 0.5-4 oz./1000 sq.ft. *2 x 1 gallons/case*

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**PPZ 41.8 SELECT**
**(Propiconazole) Demethylation Inhibitor**
**EPA REG #84229-3 • FRAC 3**
**$ 225.00 per gallon**




This is a 41.8% EC formulation of propiconazole. The original Banner formulation from Syngenta was an EC before it was refomulated to the current water-based Maxx formulation. The 41.8% concentrate allows for much lower use rates, however caution must be added during warm temperature due to the EC solvents in the blend. Propiconazole is best used for control of dollar spot, anthracnose, powdery mildew, summer patch, take all patch and many other patch diseases. RATE: 0.18-1.45 oz./1000 sq.ft. *4 x 1 gallons/case*

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**PREMION**
**(PCNB + Tebuconazole)**
**Aromatic Hydrocarbon + Demethylation Inhibitor**
**EPA REG #5481-585 • FRAC 14 + 3**
**$ 110.00 per gallon ***CLOSEOUT PRICE**



Formerly called Oreon, Premion is the newest addition to the turf fungicide portfolio and is an effective, water-based solution to dollar spot, brown patch, and anthracnose. A pre-mix formulation, Premion is the only fungicide that utilizes both PCNB and tebuconazole, making it an important resistance management tool. For applications April through June or mid-August through November, Premion is one of the few single products that can combat dollar spot, brown patch and anthracnose. RATE: 4-12 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**PROTECT DF**
**(Mancozeb) Carbamate**
**EPA REG #1001-77 • FRAC M3**
**$ 14.00 per lb**




Protect DF is a 75% Mancozeb product that is labeled for use on commercial and home lawns, athletic fields, sod farms, cemeteries, parks and golf course greens, tees and fairways. Mancozeb is a contact fungicide for the control of diseases such as fusarium blight, leaf spot, brown patch, rust, pythium blight, damping off, dollar spot, algae, pink snow mold and downy mildew. Protect also has a wide ornamental label as well. The 6 lb. bags are resealable. RATE: 4-8 oz./1000 sq.ft. *6 x 6 lbs/case*



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# FUNGICIDES

**PROTHIO 4L**
**(Prothioconazole)**
**EPA REG #89442-61 • FRAC 3**
**$ 655.00 per 64 oz. bottle**




Prothio 4L is a fungicide that effectively controls various diseases, such as dollar spot, brown patch, anthracnose, gray leaf spot, snow mold, and others, allowing turf to thrive. It contains 41% prothioconazole. Prothio 4L is labeled for use on golf courses. RATE: 8.5 oz./acre every 14-28 days, see label for details. *4 x 64 oz./case*

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**RAYORA**
**(Flutriafol) Demethylation Inhibitor**
**EPA REG # 279-3633 • FRAC 3**
**$ 252.56 per gallon in 2.5 gallons**

Rayora fungicide contains flutriafol, a breakthrough active ingredient. Ideal for preventative and curative dollar spot and fairy ring, Rayora is set apart by its rapid foliar and root uptake, which is faster than any other in its class. In addition, it actively protects the treated turf and newly developed leaves as the turf grows. Rayora has turf safety with proven examples of excellent turfgrass quality. Rainfast in two hours, it has preliminary data that suggests effectiveness on certain DMI and SDHI insensitive strains. It does not have PGR effects. RATE: 0.7-1.4 oz./1000 sq.ft. for 14-21 day control *2 x 2.5 gallons/case*

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**RENOWN**
**(Chlorothanil + Azoxystrobin) Nitrile, Strobilurin**
**EPA REG #100-1315 • FRAC M5 + 11**
**$ 290.00 per gallon**




Renown is the only product to contain the actives found in Daconil and Heritage. Azoxystrobin and chlorothalonil are formulated into one economical, disease-fighting, high-performance machine. Azoxystrobin cycles systemically through the entire plant, protecting the interior cells from disease. The stick-and-stay technology holds our chlorothalonil to the plant surface even after heavy rain or irrigation. It is labeled for the control of brown patch, anthracnose, dollar spot, gray leaf spot, rust, pink patch, to name a few. RATE: 2.5-4.5 oz/1000 sq.ft. *2 x 2.5 gallons/case*

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**RESILIA**
**(Fluopyram + Prothioconazole + Propamcarb)**
**EPA REG #228-737 • FRAC 7 + 3 + 28**
**$ 946.56 per 2.72 gallons**




Resilia Root Health Solution is an all-in-one fungicide and nematicide which protects your roots from destructive soilborne diseases and suppresses harmful nematode populations. With its broad-spectrum control of soil-borne pathogens, Resilia allows your roots to stay healthy and reach their full potential—plus keeps your turf playable all season long. It's simple to add into either cool-season or warm-season programs too, having a single rate for all labeled diseases and one jug treating exactly two acres. RATE: 4 oz./1000 sq.ft. on 14-28 day intervals. *2 x 2.72 gallons*

**ROTATOR**
**(Fluazinam)**
**EPA REG #228-737 • FRAC 29**
**$ 345.00 per gallon in 2.5 gallons**




As a multi-site mode of action contact fungicide, Rotator will help you control the toughest golf course diseases like Dollar Spot and many more. Plus as a FRAC group 29 fungicide, it provides a new alternative for resistance management. Can be used as a rotation partner for Chlorothalonil or combined with systemic fungicides. ArmorTech Rotator is both a powerful and cost-effective fungicide for golf courses. RATE: 0.5 oz./1000 sq.ft. *4 x 1 gallons*

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**SECURE ACTION**
**(Fluazinam + Acibenzolar-S-methyl[2]) Pyridinamine**
**EPA REG #100-1633 • FRAC 29 + P1**
**$ 711.00 per gallon**
**$ 418.50 per 64 oz. bottle**




Secure Action includes a boost of acibenzolar-S-methyl (ASM), to better prevent and quickly recover from biotic and abiotic stress. With an enhanced formulation, it offers improved dollar spot control and brings the ASM defense to fairways and greens, providing inside out turf protection. It increases dollar spot control interval up to 21 days and adds suppression of bacterial wilt for effective control of more than 10 key diseases. RATE: 0.5 oz./1000 sq.ft. *2 x 2.5 gallons or 2 x 0.5 gallons/case*

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**SEGWAY SC**
**(Cyazofamid) Cyanoimidazole**
**EPA REG #71512-13-2217 • FRAC 21**
**$ 460.00 per 39.2 oz.**




Segway is a fungicide for the control and prevention of pythium root dysfunction, pythium blight, and pythium damping-off. Segway works by its unique mode of action, that preventatively inhibits all stages of pythium development. Subsequent applications of Segway should be rotated with another fungicide with a different mode of action. 2-4 gallons of water per 1000 sq. ft. is recommended for optimum control. RATE: 0.45-0.9 oz./1000 sq.ft. *12 x 39.2 oz. bottles/case*

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**SERATA**
**(Picarbutrazox)**
**EPA REG #8033-138-279 • FRAC U17**
**$ 499.80 per 35 oz.**

The active ingredient in Serata fungicide, picarbutrazox, is a new compound from a new class of chemistry identified as the tetrazolyloximes. Picarbutrazox has translaminar activity and no known cross resistance between it and other oomycete chemistries, making it an ideal tool for Pythium control and resistance management. Its labeled for use on golf courses, sports turf, lawns and landscapes. RATE: 0.6-0.8 oz./1000 sq.ft. *4 x 35 oz. bottles/case*

# FUNGICIDES

**SIGNATURE XTRA STRESSGARD**
**(Fosetyl Al) Phosphonate**
**EPA REG #432-1541 • FRAC 33**
**$ 210.40 per 5.5 lb.**



Signature XTRA Stressgard is a true systemic fungicide that enhances plant health and turf quality, while minimizing stress from both abiotic and biotic sources. It uses a new, improved formulation of fosetyl-Al, the same active used in Chipco Signature. The new formulation protects against summer decline and Pythium blight, plus adds stronger control of root-infecting Pythium species when watered in. It can be applied alone or in a tank-mix. Root growth and development is significantly increased with repeated application of the Signature Xtra. RATE: 2-6 oz./1000 sq.ft. *4 x 5.5 lbs/case*

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**SUBDUE GR**
**(Mefenoxam) Phenylamide**
**EPA REG #100-794 • FRAC 4**
**$ 195.00 per bag**



Subdue GR is a granular formulation of Subdue Maxx for use on bedding plants, flowers, perennials, shrubs and other ornamental plants in outdoor landscapes and interiorscapes to control damping-off, downy mildew, root and stem rot diseases caused by Pythium and Phytophthora. It is a must-use on new greens and tees at the time of seeding to prevent damping-off of seedlings. Apply as a soil surface application or incorporate into the soil at the time of seeding and transplanting. When applying Subdue GR to the soil surface, irrigate with enough water to completely wet the root zone after application. RATE: 12.5-25 oz./1000 sq.ft. *25 lb. bags*

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**SUBDUE MAXX**
**(Mefenoxam) Phenylamide**
**EPA REG #100-796 • FRAC 4**
**$ 623.00 per gallon**
**$ 6,030.00 per 10 gallon linkpak**



Subdue Maxx is a systemic fungicide for the control of pythium on turfgrass and ornamentals. Can be used as a preventative or curative. Product is best used when conditions are favorable for disease, but before disease occurs. Subdue Maxx is also great for use on newly seeded areas for the control of pythium damping off. Proper use of Subdue on newly seeded areas can increase new turfgrass stands by up to 50%. RATE: 0.5-1 oz./1000 sq.ft. at 10-21 day intervals for pythium. *2 x 1 gallons/case*

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**TARTAN STRESSGARD**
**(Trifloxystrobin + Triadimefon)**
**Strobilurin, Demethylation Inhibitor**
**EPA REG #432-1446 • FRAC 11 + 3**
**$ 413.20 per gallon**



Tartan fungicide is a broad-spectrum product, which provides preventative and curative disease control. Designed specifically for golf courses, Tartan may be used on greens, tees, fairways, and roughs to provide 21-day control. The product contains Stressgard formulation technology, which strengthens the plant, while effectively controlling 13 turf diseases. In fact, Tartan is an excellent tool for disease resistance management, because it is easy to apply and is compatible for tank-mixing with foliar fertilizers and insecticides. Labeled for the control of dollar spot, brown patch, anthracnose, fusarium patch, gray leaf spot and leaf spot. RATE: 1-2 oz./1000 sq.ft. Recommended rate of 1.5 oz./1000 sq.ft. for 21 days control. Great for greens tees and fairways. *2 x 2.5 gallons/case*

**TEB 360 XL**
**(Tebuconazole)**
**EPA REG #66222-117-86064 • FRAC 3**
**$ 115.00 per gallon**



Foliar fungicide disease control in field, nursery and container ornamentals and commercial and residential landscapes including: roses, flowers, ornamental crabapples, dogwoods and other landscape trees, aAzaleas, camellias, rhododendrons and other landscape ornamental shrubs, ground covers, vines and leatherleaf fern. RATE: 0.6-1.1/ oz./1000 sq.ft. *4 x 1 gallons/case*

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**TEKKEN**
**(Isofetamid + Tebuconazole)**
**Demethylation Inhibitor**
**EPA REG #2217-1019 • FRAC 3 + 7**
**$ 180.00 per gallon in 2.5 gallons**



Tekken broad-spectrum fungicide from PBI-Gordon uses two modes of action to deliver dependable control of 21 diseases, including anthracnose, dollar spot, and brown patch. Tekken controls them all for up to 28 days with the same rate, eliminating the guesswork. It is labeled for use on bermudagrass, zoysiagrass, Kentucky bluegrass, fine and tall fescues, perennial ryegrass and bentgrasses. RATE: 3 oz./1000 sq.ft. *2 x 2.5 gallons*

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**TMI 2020 XL**
**(Iprodione +Thiophanate-methyl)**
**Benzimidazole, Dicarboximide**
**EPA REG #53883-323-86064 • FRAC 1 + 2**
**$ 110.00 per gallon**



ArmorTech TMI 2020 XL prevents and controls fungal diseases on ornamental plants grown in containers, fields or greenhouses, as well as fungal turf diseases on greens, fairways, trees and other turf sites. Product can be applied by chemigation or ground spray equipment. Compare to Bayer 26/36 fungicide and Andersons fluid fungicide. RATE: 1-4 oz./1000 sq.ft. on turf, 33-84 oz./acre on ornamentals. *2 x 2.5 gallons/case.*

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**TOURNEY EZ**
**(Metconazole) Demethylation Inhibitor**
**EPA REG #59639-257 • FRAC 3**
**$ 865.00 per gallon**



Tourney EZ liquid formulation is the next generation of Tourney fungicide. It is a powerful, broad-spectrum solution and one of the most active DMI fungicides on the market. It's your go-to solution for effective control of more than 16 turfgrass and ornamental diseases, including anthracnose, brown patch, summer patch, take-all patch, fairy ring, dollar spot, necrotic ring spot, gray leaf spot, snow mold and other patch diseases. RATE: 0.18-0.44 oz./1000 sq.ft. *4 x 1 gallons/case*

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**TRACTION**
**(Fluazinam + Tebuconazole)**
**Pyridinamine + Demethylation Inhibitor**
**EPA REG #228-739 • FRAC 29 + 3**
**$ 265.00 per gallon**



Traction is a proven premix that helps golf course managers save time and stay in control of challenging



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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

diseases, including anthracnose, dollar spot, brown patch and snow mold. By working on contact and systemically within the plant, Traction effectively controls 19 challenging turf diseases and algal scum. Traction delivers premium fungicide performance on every golf course area, including fairways, greens, aprons and tees. RATE: 1.3 oz./1000 sq.ft. *2 x 2.5 gallons/case*

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**TRANSOM F**
**(Thiophanate Methyl) Benzimidazole**
**EPA REG #72112-2 • FRAC 1**
**$ 120.00 per gallon**



Transom F is a broad-spectrum systemic fungicide used for the control of major turf diseases on tees, greens, and fairways. Transom F has both preventative and curative systemic properties and is labeled for the control of brown patch, dollar spot, anthracnose, summer patch, and gray leaf spot. Transom F is a great tank-mix partner at an economical price. RATE: Use 2-4 oz. for brown patch, dollar spot, 4-8 oz. for everything else. *2 x 2.5 gallons per case*

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**TURFCIDE 10% Granular**
**(PCNB) Aromatic Hydrocarbon**
**EPA REG #400-407 • FRAC 14**
**$ 170.00 per bag**



A preventative fungicide used to control a broad range of turf diseases, PCNB is best known for its use and control for gray and pink snow mold. Can also be used in early spring applications for curative control. A granular formulation. RATE: 5-7.5 lb./1000 sq.ft. for snow mold *50 lb. bags, 40 per pallet*

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**TURFCIDE 400**
**(PCNB) Aromatic Hydrocarbon**
**EPA REG #5481-472 • FRAC 14**
**$ 100.00 per gallon**

A flowable formulation of PCNB. This is a 4 lb. per gallon active product. Turfcide 400 is easy to mix and will not clog spray tips, unlike the wettable powder. It is labeled for a broad range of turf diseases, but is best known and used for the control of gray and pink snow mold. RATE: 8-12 oz./1000 sq.ft. for preventative snow mold *2 x 2.5 gallons/case*

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**UNION SC**
**(Azoxystrobin + Cyazofamid)**
**Strobilurin, Cyanoimidazole**
**EPA REG #2217-1049 • FRAC 21 + 11**
**$ 440.00 per gallon**



Union SC fungicide combines two powerful active ingredients to deliver exceptional performance in a single fungicide. Azoxystrobin controls 21 of the most common diseases, including brown patch and anthracnose. And cyazofamid offers unbeatable defense against pythium blight, damping off, root dysfunction, and root rot. It features a long-lasting residual control, is listed for use on all turfgrass species, and the pre-mixed formulation saves time and labor. Union SC is labeled for use on golf courses, residential lawns, sod farms, athletic fields. Commercial lawns and parks. RATE: 2.9-5.75 oz./1000 sq.ft. *2 x 2.5 gallons/case*

**VELISTA**
**(Penthiopyrad) Anilene**
**EPA REG #100-1534 • FRAC 7**
**$ 297.00 per 22 oz. bottle**



Velista is best known for its excellent control of several turf diseases, but is best known for its excellent control of anthracnose. Velista exhibits translaminar and xylem systemic movement on treated turf. It is labeled for the control of dollar spot, brown patch, anthracnose, leaf spot, red thread, powdery mildew and gray snow mold. It can be used on golf course greens, tees, fairways, home lawns, commercial lawns, athletic fields, and sod farms. For resistance management, make no more than two successive applications of Velista, which includes other SDHI fungicides such as Emerald and Xzemplar. Daconil Action is a great rotation product for Velista and other products in this class. RATE: 0.3-0.7 oz./1000 sq.ft. for 14-21 days of control *6 x 22 oz/case*

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**XZEMPLAR**
**(Fluxapyroxad) Anilene**
**EPA REG #7969-349 • FRAC 7**
**$ 1,851.36 per 114 oz. bottle**
**$ 221.62 per 11.4 oz. bottle**



Powered by the next generation carboxamide with enhanced systemic properties for fast continuous protection, Xzemplar fungicide gives you ultimate control over dollar spot. It combines the fast-stopping power of a contact fungicide with long-lasting preventative action. Xzemplar is labeled for the control of dollar spot, brown patch, summer patch and algae on golf courses, sports fields, parks, residential and commercial lawns, cemeteries and sod farms. RATE: 7-11.4 oz./acre *2 x 114 oz. or 4 x 11.4 oz. acre size bottles/case*

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**ZOXY 2F**
**(Azoxystrobin)**
**EPA REG #89442-21 • FRAC 11**
**$ 360.00 per gallon**




ArmorTech® Zoxy 2F is labeled for the control of many important turfgrass diseases on golf course greens, tees and fairways, as well as residential, commercial, recreational and sports turf. The highly concentrated liquid formulation contains 2.08 lbs. of active ingredient per gallon. It is a water-based product offering low odor and easy tank mixing. It is priced attractively for fairway sprays. RATE: 0.38-0.77 oz./1000 sq.ft. for 14-28 days of control *4 x 1 gallons/case*

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**ZOXY-PG**
**(Azoxystrobin + Propiconazole)**
**EPA REG #89442-53 • FRAC 11 + 3**
**$ 55.00 per bag**




ArmorTech ZOXY-PG is a granular fungicide combining 0.31% Azoxystrobin and 0.75% Propiconazole. A broad spectrum fungicide, it utilizes both root and leaf uptake to deliver preventative and curative control up to 28 days. ZOXY-PG targets foliar, stem and root diseases such as leaf and stem blights, leaf spots, patch diseases, anthracnose, fairy rings, mildews, molds and rusts of turfgrass. RATE: 2-4 lb./1000 sq.ft. in 14-28 day intervals. See label for details. *30 lb bag*

# FUNGICIDE USE CHART

| PRODUCT | MANUFACTURER | DOLLAR SPOT | BROWN PATCH | SUMMER PATCH | FAIRY RING | LEAF SPOT | ANTRACNOSE | PYTHIUM | TAKE ALL | SNOW MOLD |
|---|---|---|---|---|---|---|---|---|---|---|
| **Appear II** | SYNGENTA | N | N | N | N | N | G | G | N | S |
| **Aramax Intrinsic** | BASF | E | E | G | E | E | G | S | E | E |
| **Ascernity** | SYNGENTA | G | E | G | S | G | E | N | N | G |
| **Banner Maxx II** | SYNGENTA | S | S | E | S | G | G | N | E | G |
| **Banol** | ENVU | N | N | N | N | N | N | E | N | N |
| **Briskway** | SYNGENTA | S | E | E | G | G | E | S | G | S |
| **Chipco Signature** | ENVU | N | N | N | N | S | S | E | N | N |
| **Concert II** | SYNGENTA | G | S | S | N | G | G | N | S | G |
| **Daconil Action** | SYNGENTA | E | S | N | N | G | E | N | N | G |
| **Daconil Ultrex** | SYNGENTA | E | S | N | N | G | E | N | N | G |
| **Daconil Weatherstik** | SYNGENTA | E | S | N | N | G | E | N | N | G |
| **Daconil ZN** | SYNGENTA | E | S | N | N | G | E | N | N | G |
| **Densicor** | ENVU | E | G | G | G | R | R | N | G | E (PINK) G (GRAY) |
| **Emerald** | BASF | E | N | N | N | N | N | N | N | N |
| **Encartis** | BASF | E | G | N | N | E | G | N | N | S |
| **Exteris Stressgard** | ENVU | E | S | N | N | S | S | N | N | S |
| **Fame SC** | ENVU | G | G | G | G | G | G | G | G | N (PINK) G (GRAY) |
| **Fiata Stressgard** | ENVU | N | N | N | N | N | N | G | N | N |
| **Headway** | SYNGENTA | S | E | E | G | G | G | S | E | G |
| **Heritage** | SYNGENTA | N | E | E | G | G | G | S | E | G |
| **Heritage Action** | SYNGENTA | N | E | E | G | G | G | S | E | G |
| **Honor Intrinsic** | BASF | E | E | E | G | E | G | S | G | S |
| **Insignia SC Intrinsic** | BASF | S | E | G | G | E | S | S | G | S |
| **Instrata** | SYNGENTA | S | G | G | S | G | G | N | N | E |
| **Interface Stressgard** | ENVU | E | E | N | N | E | N | N | N | E |
| **Kalida** | ENVU | S | S | S | E | S | S | N | S | N |
| **Lexicon** | BASF | E | E | E | E | E | E | S | E | G |
| **Maxtima** | BASF | E | S | G | E | G | E | N | E | N |
| **Medallion SC** | SYNGENTA | N | G | S | N | G | E | N | N | E |
| **Mirage Stressgard** | ENVU | G | S | G | G | G | G | N | S | S (PINK) G (GRAY) |
| **Navicon** | BASF | E | E | E | E | E | E | S | E | G |
| **Pillar SC** | BASF | E | E | G | E | E | E | S | E | E |
| **Posterity** | SYNGENTA | E | N | N | S | N | N | N | N | S |
| **Posterity Forte** | SYNGENTA | E | S | N | N | S | N | N | N | N |
| **Posterity XT** | SYNGENTA | G | E | E | G | E | G | N | E | G |
| **Rayora** | ENVU | E | G | G | N | N | G | N | G | E |
| **Renown** | SYNGENTA | G | E | G | S | G | E | S | N | G |
| **Resilia** | ENVU | G | G | G | G | G | G | G | G | G |
| **Secure Action** | SYNGENTA | E | S | N | N | S | S | N | N | G |
| **Segway SC** | PBI GORDON | N | N | N | N | N | N | E | N | N |
| **Serata** | ENVU | N | N | N | N | N | N | E | N | N |
| **Signature Xtra Stressgard** | ENVU | N | N | N | N | N | N | E | N | N |
| **Subdue Maxx** | SYNGENTA | N | N | N | N | N | N | G | N | N |
| **Tartan Stressgard** | ENVU | E | E | E | E | E | E | N | G | E |
| **Tekken** | PBI | E | E | E | S | G | E | N | S | G |
| **Union SC** | PBI GORDON | N | E | E | G | S | E | E | G | N |
| **Velista** | SYNGENTA | S | S | G | E | S | E | N | N | S |
| **Xzemplar** | BASF | E | G | G | E | G | N | N | N | N |

N = NO CONTROL S = SOME CONTROL G = GOOD CONTROL E = EXCELLENT CONTROL

# INSECTICIDES






Breaking news: With two modes of action, Acelepryn® Xtra insecticide offers even more insect control than the original Acelepryn. In addition to **grubs, billbugs** and **caterpillars**, it's labeled for greater control of **chinch bugs, ants** as well as **curative grub control**.

For more on this developing story, visit
**GreenCastOnline.com/AceleprynXtra**

**Or contact John Spaulding:**
john.spaulding@syngenta.com | 816-674-7053

@SyngentaTurf **#Time4AceleprynXtra**

Controls more insects with just **one application**

**10% volume discount** available for purchases of 25 gallons

Acelepryn® Xtra Insecticide

syngenta®

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# INSECTICIDES

**ACELEPRYN**
**(Chlorantraniliprole)**
**EPA REG #100-1489**
**$ 879.00 per 64 oz. bottle**



Acelepryn is an insecticide class with a novel mode of action. Studies prove that it delivers superior results with the lowest application rate (lb. ai/acre) ever utilized for white grub control. It controls many pests with a single application, while having a superior toxicological and environmental profile. It's classified as reduced-risk by the United States EPA for use on turf for its low application rate and low water solubility. Great preventative for white grubs and japaneese beetles. Acelepryn needs to be applied in the month of May for optimum control. RATE: 8 oz. per acre *4 x 64 oz/case*

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**ACELEPRYN G**
**(Chlorantraniliprole)**
**EPA REG #352-772**
**$ 175.00 per bag**




Granular formulation of Acelepryn insecticide. RATE: May be applied at up to 125 lbs./acre (0.25 lb. AI/A). Refer to the label for target pest details. *25 lb. bags*

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**ACELEPRYN XTRA**
**(Chlorantraniliprole & Thiamethoxam)**
**EPA REG #100-1680**
**$ 618.00 per gallon in 2.5 gallons**
**$ 144.60 per 30 oz. bottle**




Acelepryn Xtra is powered by two active ingredients and modes of action to deliver long-lasting, broad-spectrum insect control, including season-long control of grubs, billbugs and caterpillars, plus enhanced chinch bug control with at least three months of guaranteed control of southern chinch bugs in the lawncare market. It also offers control of ants and early curative control of grubs through the second instar, leading to greater flexibility and fewer applications. RATE: 2.3-4.6 fl. oz./10,000 sq.ft. (10-20 fl. oz./acre) *4 x 64 oz./case*

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**ALOFT GOLF COURSE SC ***RUP**
**(Chlothianidin & Bifenthrin)**
**EPA REG #66330-365**
**$ 680.00 per 64 oz. bottle**



ALOFT GC is a broad-spectrum, long-lasting contact and systemic insecticide for control of insects infesting turfgrass and ornamentals in landscapes and surrounding areas. Prevent with a single early treatment or knock down existing pests with flexible application options from April to September. EPA approved for fire ant control, it takes them down within seven days and lasting residual control keeps them down. Aloft is labeled for the control of cutworms, chiggers, white grubs, billbugs, BTA sod webworm, and ticks, etc. *See rates and sizes below.*

**ALOFT LAWN CARE SC ***NOT RUP**
**EPA REG #59639-213**
**$ 680.00 per 64 oz. bottle**



Labeled for airports, arboretums, non-production greenhouses, athletic fields, business complexes, cemeteries, iIndustrial complexes, parks and recreation areas, playgrounds, residences and schoolyards.
RATE: 11.65-23.3 oz./acre per year (0.27-0.54 oz./1000 sq.ft.) *4 x 64 oz./case* ***POLLINATOR WARNING***

**ALOFT LC G**
**(Clothianidin & Bifenthrin)**
**EPA REG #66330-368**
**$ 87.00 per bag**



ALOFT LC G is a broad-spectrum, long-lasting contact and systemic insecticide for control of insects infesting lawns and ornamentals in landscapes and surrounding areas. ALOFT LC G can be used around residences, business complexes, industrial complexes, airports, playgrounds, schoolyards, parks and recreation areas, athletic fields, cemeteries, arboretums, and non-production greenhouses. Not for use on golf courses or sod farms. RATE: 1.8-3.6 lbs./1,000 sq.ft. (80-160 lbs./acre) *30 lb. bags* ***POLLINATOR WARNING***

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**ALUCION**
**(Dinotefuran)**
**EPA REG #7969-467**
**$ 292.13 per bottle**



Alucion 35 WG insecticide is the only non-restricted use pyrethroid labeled for golf courses. Fueled by two active ingredients, dinotefuran and alpha-cypermethrin, it delivers fast-acting control of surface-feeding insects. The powerful knock-down and repellent activity adds a barrier of long-lasting protection against tough-to-control ants. Alucion mixes quickly, easily, and stays in suspension. RATE: 0.44 oz./1000 sq.ft.
*10 x 2.375 lbs/case*

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**ARENA 50 WDG**
**(Clothianidin)**
**EPA REG # 59639-152**
**$ 290.00 per lb**



Arena insecticide is a generation neonicotinod insecticide that works in two ways to protect the turf. Applied preventively from early May through July, Arena provides season-long control of white grubs while stopping other soil-borne insects dead in their tracks. If needed, Arena can also be applied as a highly-effective, curative rescue treatment from mid-July to mid-September. RATE: 6.4-10.5 oz./acre, RECOMMENDED grub control rate is 8 oz./acre. *4 x 2.5 lb./case* ***POLLINATOR WARNING***

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**ARENA .25 G**
**(Clothianidin)**
**EPA REG # 59639-157**
**$ 85.00 per bag**




A granular formulation of Arena insecticide. Product needs to be watered-in before the it can begin working. Arena granular offers both preventative and curative control. When used for as a curative it will provide extended preventive control for late hatches. RATE: 60-160 lbs./acre. For curative control, a minimum of 120 lbs. is recommended. *30 lb. bags*
***POLLINATOR WARNING***

# INSECTICIDES

**AVALON GOLF & NURSERY ***RUP**
**(Bifenthrin)**
**EPA REG #279-3155-72112**
**$ 88.00 per gallon**



Avalon Golf & Nursery insecticide formulation mixes readily with water and other aqueous carriers, and controls mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and outdoor nurseries, and turf on golf courses and sod farms. May be tank-mixed, including with insect growth regulators. Refer to the label for a complete list of insects controlled and suggested use rates. RATE: 0.18-1 oz./1000 sq.ft. in turf, 5.4-43.5 oz./100 gallons for ornamentals. *4 x 1 gallons/case*

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**NEW! BALATA**
**(Chlorantraniliprole)**
**EPA REG #89442-70**
**$ 730.00 per quart**




Balta Insecticide is for foliar and systemic control of white grubs and pests that infest landscape/recreational turfgrass, including golf courses, interior plantscapes, sod farms, and landscape ornamentals. RATE: 0.5-8 oz. per 100 gallons. See label for details. *4 x 1 quarts/case*

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**BIFEN 7.9F SELECT**
**(Bifenthrin)**
**EPA REG #89442-23**
**$ 89.00 per gallon**




Bifen 7.9F Select is an odorless, non-irritating to skin, non-phytotoxic residual insecticide that delivers superior, long lasting control. The active ingredient, bifenthrin, not only has a wide range of pests controlled but is approved in key indoor and outdoor areas such as residential, industrial, commercial, and food-handling areas for the prevention and control of termites, carpenter ants and other pests affecting structures. RATE: 0.18-1 oz./1000 sq.ft. *4 x 1 gallons/case*

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## MULTIPAK SAVINGS

**DEMAND/ARCHER MULTIPAK**
**(Lambda-cyhalothrin) - Demand**
**(Pyridine) - Archer**
**EPA REG #100-1066**
**$ 401.75 per case**




The Demand/Archer Multipak includes the powerful combination of Demand CS insecticide and Archer insect growth regulator to provide significant control of mosquito populations. Demand CS is formulated using iCAP technology, featuring microcaps of multiple sizes that provide immediate and residual control of mosquitoes. To complement Demand CS, Archer interrupts the reproduction cycle of mosquitoes, causing them to lay non-viable eggs or prevent larvae from developing into adults. RATE: 0.8 oz. of Demand + 1 oz. of Archer per gallon, use 2 gallons for every 10,000 sq.ft. of area with a mist-blower backpak every 60 days during season. Mist-blowing only trees, shrubs and landscape beds from the ground up to 10 feet, focusing on the underside of foilage. Turf does not need to be treated. *Case contains 2 quarts of Demand, 5 pints of Archer*

**DIVANEM**
**(Abamectin)**
**EPA REG #100-1611**
**$ 1,931.00 per half gallon**




Divanem nematicide delivers excellent turf quality through proven, broad-spectrum control, including sting, lance, and root-knot nematodes. The innovative formulation moves quickly into the soil where nematodes are most active and provides drought tolerance and quicker recovery from stress. Divanem is safe for use on greens, tees and fairways of all turf species. Turf should be wet prior to application, and a wetting agent and surfactant should be tank-mixed with Divanem. For best results, applications should be made during mornings when light levels are low and dew is present. If no dew is present, a short irrigation cycle should be run prior to application. RATE: 3.125-12.2 oz./acre *2 x .5 gallons/case*

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**DYLOX 420 SL**
**(Trichlorfon)**
**EPA REG #432-1464**
**$ 168.00 per gallon**

Dylox 420 SL works by both contact and ingestion. It rescues and protects lawns and turf from grubs and certain other insects that feed on them. When watered properly, this product can even penetrate thatch up to 1/2 inch thick. Broadcast applications are limited to greens and tees on golf courses with spot applications only on fairways. Product must be watered-in for grub control. RATE: 6.9 oz./1000 sq.ft. for white grubs, 4.6-6.9 oz./1000 sq.ft. for surface feeders. *2 x 2.5 gallons per case*

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**DYLOX 6.2G**
**(Trichlorfon)**
**EPA REG # 432-1308**
**$ 95.00 per bag**

A granular insecticide for the control of white grubs, sod webworms and cutworms. **Dylox is best known as an immediate curative for white grubs.** As with any grub insecticide, it must be watered-in before it can start to work. Broadcast applications are limited to greens and tees on golf courses, with spot applications only on fairways where pests are present. RATE for grubs: 3 lbs./1000 sq. ft., 2 lbs./1000 sq.ft. for surface feeders. *30 lb. bag - 60 bags per pallet*

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**INDEMNIFY**
**(Fluopyram)**
**EPA REG #432-1543**
**$ 1,963.60 per 17.1 oz.**




Indemnify is a next-generation nematicide that controls key plant parasitic nematodes in turfgrass. It improves root growth and overall turfgrass health, translating to better playability with improved wear tolerance. Indemnify is safe on all turf types, including bermudagrass, creeping bentgrass and annual bluegrass. Indemnify is also approved for use on all golf course areas of play, along with sod farms, sport fields, residential, institutional, municipal, and commercial turfgrass areas. RATE: 0.195-0.39 oz./1000 sq.ft. *4 x 17.1 oz. per case*



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**MERIDIAN .33G**
**(Thiamethoxam)**
**EPA REG #100-961**
**$ 70.00 per bag ***CLOSEOUT PRICE**




Meridian insecticide provides turf managers with an unprecedented degree of control and application flexibility in managing a broad-spectrum of grubs and insects on their turf. Meridian controls soil and foliar pests at very low rates, through both contact and ingestion activity. It also is effective and suitable for use on trees and shrubs. RATE: 7-9 lbs./5,000 sq.ft. or 60-80 lbs./acre *40 lb. bags*

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**MERIDIAN 25WG**
**(Thiamethoxam)**
**EPA REG # 100-943**
**$ 591.6 per 102 oz.**




Meridian can be used for the prevention of the following insects: grubs, Japanese beetles, northern masked chafers, southern masked chafers, European chafers, black turfgrass ataenius, billbugs and ants. Product should be watered in within 7 days after application. Meridian belongs to the neonicotinoid class of chemistry, and should not be used on insects known to have resistance. Meridian is labeled for use on golf courses, residential lawns, commercial grounds, parks, athletic fields and sod farms. RATE: 12.7-17 oz./acre *4 x 17 oz. or 4 x 102 oz. (fairway size) per case*

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**MERIT 2F**
**(Imidacloprid)**
**EPA REG #432-1312**
**$ 145.00 per gallon**




Merit 2 F provides the industry's longest-lasting grub control at exceptionally low use rates. This product gives outstanding residual control of numerous ornamental pests – it interferes with nerve impulses and disrupts insect behavior. Pests stop feeding, stop reproducing, and eventually die. It has a wide application window and controls all major grub species. Rate: 0.46-0.6 oz./1000 sq.ft. *4 x 1 gallons/case*

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**MERIT 75 WSP**
**(Imidacloprid)**
**EPA REG #432-1318**
**$ 1,900.40 per drum**

Merit provides the industry's longest-lasting grub control at exceptionally low use rates. This product gives outstanding residual control of numerous ornamental pests – it interferes with nerve impulses and disrupts insect behavior. Pests stop feeding, stop reproducing and eventually die. Merit is the #1 insecticide in the turf and ornamental market. Merit is a broad-spectrum systemic action insecticide with both outstanding preventitive and curative control and long residual activity. Usage rates up to 96% lower than many registered soil insecticides. Consider using a wetting agent at application to help move the Merit insecticide down into the thatch layer. Rate: each Merit Mini will treat 27.5 acres at the 6.4 oz./acre rate *110 x 1.6 oz. per Mini Bulk*

**MERIT .5G**
**(Imidacloprid)**
**EPA REG #432-1328**
**$ 63.00 per bag**

A granular formulation of Merit 75 WSP. RATE: 60 lbs./acre. Product needs to be watered within a week for best results. **PLEASE NOTE - For greater ease of spreadability, consider a granular fertilizer and Merit combination. See the Fertilizer section in this catalog for more information.** *30 lb. bag, 80 bags/pallet*

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**PROVAUNT WDG**
**(Indoxacarb)**
**EPA REG #100-1636**
**$ 468.00 per 72 oz. bottle**




European crane flies, annual bluegrass weevil (ABW), turf caterpillars (including armyworms, cutworms and sod webworms) and mole crickets all pose a significant threat to turf. Provaunt WDG insecticide controls all of these pests and more to protect your turf and landscape ornamentals. Targeted insects are controlled by feeding on treated foliage through direct contact with spray droplets during application, or by contact with active ingredient residue on leaf surfaces. Pests treated with Provaunt WDG can stop feeding within minutes, rapidly reducing feeding damage. Once feeding stops, mortality typically occurs within 48 hours. RATE: 3-6 oz./acre *72 oz. containers*

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**SCIMITAR GC ***RUP**
**(Lambda-cyhalothrin)**
**EPA REG #100-1088**
**$ 280.00 per quart**




The proprietary formulation technology of Scimitar insecticides, encapsulates the active ingredient, lambda-cyhalothrin, in small polymer capsules to protect it from the degrading effects of pH, sunlight and UV light. The result is superior control of insects in turf and ornamentals even after extended outdoor exposure. Scimitar GC is labeled for the control of more than 20 turf pests, including cutworms, ants, crickets, chiggers, fleas, grubs and ticks. Labeled for use on golf courses, sod farms, athletic fields, and ornamentals in residential and commercial areas. Advanced formulation results in fast-acting and longer residual control. RATE: 5-10 oz./acre. RESTRICTED USE PESTICIDE *8 x 1 quarts/case*

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**SCION**
**(Gamma-cyhalothrin)**
**EPA REG #279-3612**
**$ 156.60 per quart**

The great outdoors can be a tough place, but Scion insecticide with UVX Technology is tougher. FMC's proprietary UVX Technology is a multi-component formulation engineered to deliver immediate control and a continuous residual, even under extreme conditions. With UVX Technology, Scion insecticide meets and exceeds industry demands, the company says, even when faced with high temperatures, intense sunlight and harsh surfaces. It offers more than 90-day performance to reduce callbacks when they're at their peak and you're at your busiest. RATE: 0.16-0.33 fl.oz./gallon or 0.5-1 oz./3 gallons *8 x 1 quarts/case*

# INSECTICIDES

**TALSTAR P**
**(Bifenthrin)**
**EPA REG #279-3206**
**$ 950.00 per gallon**

Talstar Professional achieves long-lasting control of over 75 pests, including ants, termites, cockroaches, spiders, bed bugs, fleas and ticks. And with its flexible label, Talstar Professional is approved in multiple use-sites: indoors and out. Talstar Professional is water-based, so it's non-irritating and contains no odorous or plant-damaging solvents. It leaves no residues and causes no phytotoxicity. RATE: Dilute 0.5-1.0 oz./gallon, spray 1 gallon/1000 sq.ft. *4 x 1 gallon or 4 x 1 quarts/case*

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**TEMPO SC ULTRA**
**(Cyfluthrin)**
**EPA REG #432-1363**
**$ 310.00 per 900 ml. bottle**
**$ 80.00 per 240 ml. bottle**




A general insecticide for the control of a wide variety of insects. Can be used indoors and outdoors. Great on cutworms, ants, sod webworms, etc. This suspension concentrate delivers the power of a powder formulation in a liquid. It's easier to use, less messy, needs less agitation and is more evenly dispersed during application. RATE: 4-6 mL/1000 sq.ft. *8 x 900 ml. bottles/case *Golf Gourse Label is a RUP, Lawn & PCO label is not.*

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**TETRINO**
**(Tetraniliprole)**
**EPA REG # 432-1591**
**$ 528.00 per gallon**




Tetrino simplifies insect management programs by providing flexible application timing and broad-spectrum control of multiple turf insects. It can be used against soil-inhabiting pests of turfgrass, including European chafer, northern masked chafer, Asiatic garden beetle, Japanese beetle, oriental beetle, June beetle, annual bluegrass weevil, cutworm, sod webworm, chinch bug and billbug. The active ingredient in TETRINO provides control or suppression of listed pests when applications are made preceding or during the egg laying period. RATE: 0.367-0.735 oz./1000 sq.ft. *4 x 1 gallons/case*

**TRIPLE CROWN GOLF or T & O**
**(Zeta-Cypermethrin, Bifenthrin, Imidacloprid)**
**EPA REG #279-3457**
**$ 345.00 per gallon**

Triple Crown insecticides featuring a triple-action formulation for fast-acting, long-lasting, broad spectrum control of above- and below-ground pests, including ants, fire ants, masked chafer grubs, European chafer grubs, chinch bugs, annual bluegrass weevils, ticks, mites, billbugs and more. It works through contact, translaminar and systemic activity, making it a valuable tool against sucking pests that feed on a plant's vascular system as well as foliar-feeding insects. It's labeled for broadcast lawn and landscape treatments, mound treatments and golf course turf. RATE: 0.23-0.80 oz./1000 sq.ft. *4 x 1 gallons/case*

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**TRITEK DORMANT OIL**
**(Mineral Oil)**
**EPA REG #48813-1**
**$ 35.00 per gallon**




TriTek's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. It may be used to control mite and insect pests in the egg stage, including spider mites, eriophyid mites, armored scale, soft scale, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaftiers, webworms, cankerworms, plant bugs, leafhoppers, and adelgids. This product will kill other immature insect forms if the spray covers the insect. RATE: 1-2 gallons/100 gallons of water *2 x 2.5 gallons/case*

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**ZYLAM**
**(Dinotefuran)**
**EPA REG #2217-937**
**$ 168.00 per quart**




A liquid formulation of dinotefuran, Zylam systemic insecticide provides exceptional control of a broad spectrum of listed chewing and sucking insects. Used as a drench, soil injection, or bark banding application, it features translaminar activity to quickly move through the leaf and control insects that hide on the underside of leaf surfaces. RATE: Apply at 11.6-23.2 mL/100 $m^2$, depending on the insect pest and history of pest pressure. Use the highest rate in areas with chronic infestations. Allow a minimum of four weeks between applications. *4 x 1 quarts/case*




# POLLINATOR WARNING!

Do not apply sprayable insecticide or any other Imidacloprid or Clothiandin-based Insecticide while bees are foraging. Do not apply to plants that are flowering. Only apply after all flower petals have fallen off.



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# EMERALD ASH BORER

When it come to emerald ash borer (EAB) treatment options, D & K Products offers several great solutions for treatment and prevention of the destructive insect. The EAB is a small (1/2" long, 1/8" wide) metallic green beetle, native to Asia. Professionally applied insecticides can effectively and consistently protect even very large ash trees from EAB, even under intense pressure. However, unnecessary insecticide applications waste money. EAB infestations are very difficult to detect when populations are low, but once EAB has been detected within 10-15 miles, your trees may be at risk. Be aware of the status of EAB in your location.

Use of insecticides to control EAB require treatment during active growing periods of the tree (late April through September) to be effective. However, the optimal timing for best control of EAB is during the spring (mid-April through June). Timely treatment with proper products can successfully protect Ash trees from EAB, but it is important to note that treatments are only good for a certain period of time and will require future treatments until the EAB population pressure has diminished. It is recommended that this regimen be considered for the healthiest and most valuable or sentimental ash trees.

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**ARBORMECTIN**
**(Emamectin Benzoate)**
**EPA REG #83100-35-83979**
**$ 620.00 quart**




Arbormectin is a patent-pending water-based formulation created to provide fast-uptake and broad-spectrum control of some of the most difficult pests arborists face. Emerald ash borer, winter moth, Japanese beetle and gall wasp are all controlled through a single treatment. Arbormectin is for control of mature and immature insect and mite pests of deciduous, coniferous, and palm trees including, but not limited to, those growing in residential and commercial landscapes, parks, plantations, seed orchards, and forested sites (in private, municipal, state, tribal and national areas). Arbormectin is formulated to translocate in the tree's vascular system when injected. This product must be placed into active sapwood and **will actively control pests for up to two years.**
RATE: Dosages are based on the Diameter (in inches) of the tree at Breast Height ("DBH"). DBH is the outside bark diameter of the trunk at 4.5 feet above the ground on the uphill side of the tree. See label for details. *4 x 1 quarts per case*

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**SAFARI 20 SG**
**(Dinotefuran)**
**EPA REG # 33657-59639**
**$ 165.00 per lb. 3 lb. bottle**
**$ 180.00 per 12 oz. bottle**




Safari Insecticide, a super-systemic insecticide with quick uptake and knockdown, controls a broad-spectrum of ferocious and invasive pests, including Q- and B-biotype whitefly, hemlock woolly adelgid, emerald ash borer, mealybug, mountain pine beetle 2(ee), leafminer, fungus gnat, black vine weevil, glassy-winged sharpshooter, armored and soft scale and lacebug—some of the most costly pests that affect high value greenhouse and nursery crops such as poinsettia and hibiscus, as well as trees, shrubs and herbaceous ornamentals in the lawn and landscape market.
RATE: 4-8 oz./100 gallons or 8-16 oz./acre.
For Basal Bark Treatment of Emerald Ash Borer:

- Initiate treatment program when EAB is detected within 15 miles
- Apply from late May to early July
- Add 12 oz. of Safari 20 SG and 1 gallon of water to sprayer tank
- Uniformly spray bark on lower 5 ft. of trunk until bark is wet and spray is just beginning to runoff
- Operate sprayer at less than 20 PSI to minimize drift and bounce back of spray droplets
- Avoid application to wet bark or if rain is expected within 4 hours

THIS IS AN ANNUAL TREATMENT PRODUCT
In most cases, one gallon of Safari 20 SG spray solution will treat 40-50 cumulative inches of trunk diameter, or 4-5 ash trees that are 10" in diameter at breast height.
*4 x 3 lb. or 16 x 12 oz. containers per case*

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**SYMTREE PODS**
**(Emamectin Benzoate)**
**$240.00 per 6-pack of pods**

SymTREE is the brand new redesign on the former EnTREE capsule system. SymTREE is a lower pressure micro tree injection solution for the Emerald Ash Borer (EAB). Each SymPOD comes pre-filled with 25 ml of the active ingredient emamectin benzoate 4% concentration, which when applied correctly, can effectively control EAB for up to two years. Install SymTREE into the tree's trunk using an electric drill with a 1/4 inch fast-spiral high-helix drill bit. One SymPOD is required for every 5 inches DBH for concurrent tree treatment with the SymTREE reloadable device. Uptake rate will vary depending upon tree health and environmental conditions. Holes made in the tree will heal naturally, so they do not need to be sealed. When the application is complete, simply dispose of the EB-SymPOD, and your reloadable SymTREE device can be used. No special handling is necessary. RATE: Rate is based on tree DBH (diameter breast height). See label for details.
*6 pods per case, comes with one injector device*

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**ZYLAM**
**(Dinotefuran)**
**EPA REG #2217-937**
**$ 168.00 per quart**




A liquid formulation of dinotefuran, Zylam Liquid systemic insecticide provides exceptional control of a broad-spectrum of listed chewing and sucking insects. Used as a drench, soil injection or bark banding application, Zylam Liquid features translaminar activity to quickly move through the leaf and control insects that hide on the underside of leaf surfaces. Zylam Liquid controls scale, emerald ash borers, leaf hoppers, bagworms, mealybugs, Japanese beetles, aphids, to name. a few. It's labeled for use on residential, golf course landscape areas, commercial/industrial areas, parks and school ground. It is ideal for use on non-bearing fruit and nut trees, evergreens, ornamental trees, shrubs, ground cover plants, foliage and non-bearing vines.
RATE: 79 oz./acre or 1.8 oz./1000 sq.ft.
For EAB control: mix 16 oz. per gallon of water and uniformly spray bark on lower 5 ft of trunk until bark is wet and spray is just beginning to runoff. Refer to label for details.
*4 x 1 quarts per case*

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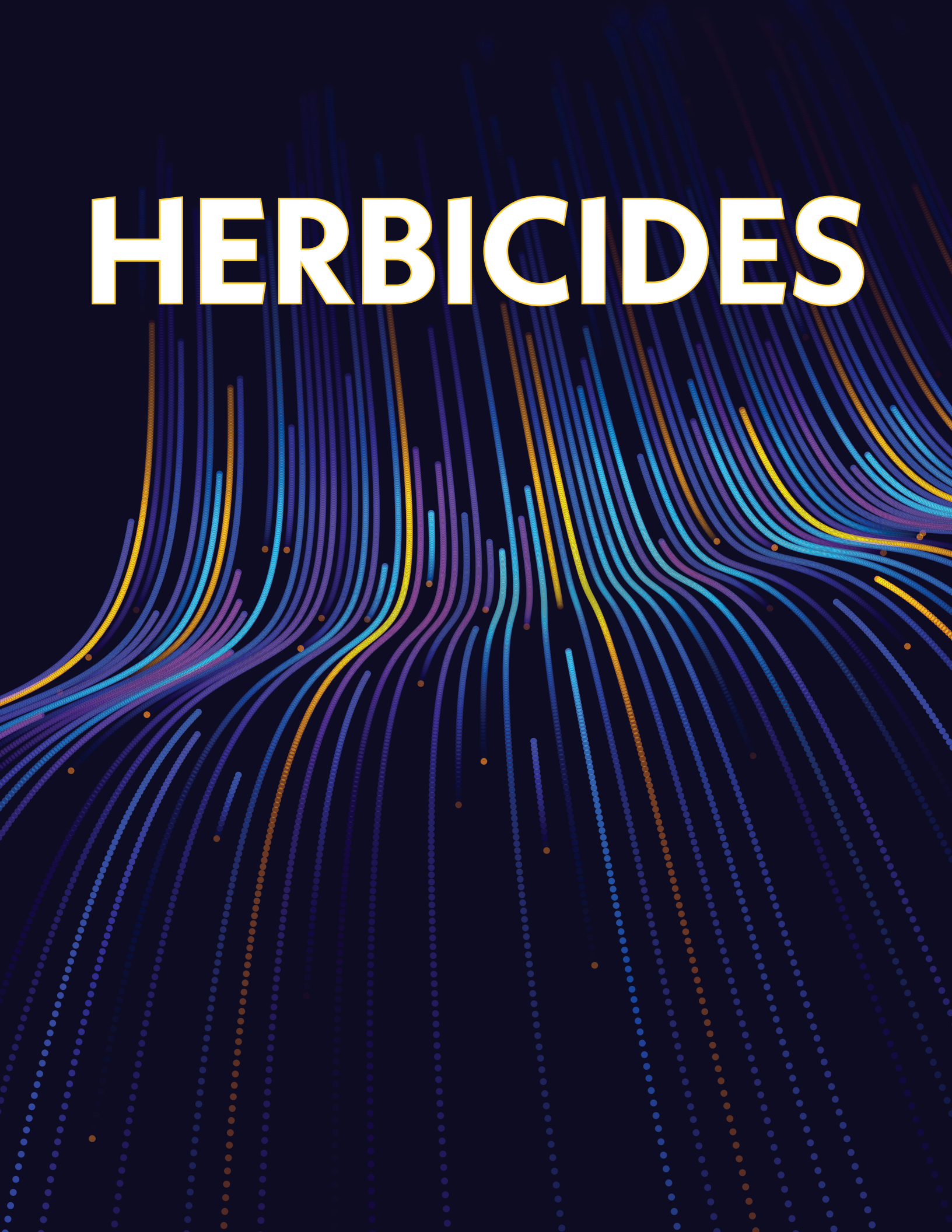
# HERBICIDES





# MAKE THE MOST OF YOUR GREENS. AND YOUR TIME.

## HERBICIDE

**Confront®**
**Defendor®**
**Dimension®**
**Gallery®**
**Lontrel®**
**Turflon®** Ester Ultra
**GameOn®**
**NativeKlean®**
**Crew®**

## FUNGICIDE

**Eagle®** 20EW
**Floxcor™**

**Scan the QR code for on-the-go expert weed identification and recommendation**




**Nic Mitchell**
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# PRE-EMERGENT HERBICIDES

**BARRICADE 4 FL**
**(Prodiamine)**
**EPA REG #100-1139**
**$ 168.25 per gallon for 4 x 1 gallons**
**$ 1,607.50 per 10 gallon Linkpak**
**$ 3,862.50 per 30 gallon Drum**



Prevent weeds season long with a single application. Barricade 4FL herbicide controls susceptible weeds by preventing growth and development of newly germinated weeds. All applications must be made before the targeted weeds germinate; Barricade 4FL will not control weeds after they have already emerged. Barricade 4FL also offers programmable weed control; adjust application rate to dial in the length of weed control you need. RATE: 0.23-0.48 oz./1000 sq.ft., 21 oz./acre = 0.65 AI. *4 x 1 gallons/case, 10 gallon linkpak or 30 gallon drum*

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**BENSUMEC 4LF**
**(Bensulide)**
**EPA REG #2217-696**
**$ 290.00 per gallon**



Bensumec 4 LF Herbicide provides effective control of annual grasses, including crabgrass, *Poa annua,* and goosegrass, as well as many listed broadleaf weeds. Bensumec easily emulsifies to ensure complete mixing, and eliminates spray-tank layering or clogging, even with limited agitation. Bensumec 4LF features high turfgrass tolerance. RATE: 5.6-7.3 oz./1000 sq.ft. for crabgrass, 9.4 oz./1000 sq.ft. for annual bluegrass *2 x 2.5 gallons/case*

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**BROADSTAR**
**(Flumioxazin)**
**EPA REG #59639-128**
**$ 130.00 per bag**




BroadStar is an odorless and dust-free granular pre-emergence herbicide that eliminates a broad-spectrum of annual broadleaf and grassy weeds such as spurge, bittercress, oxalis, common groundsel and crabgrass. Long-lasting BroadStar provides an exceptional value that allows you to offer more and make more—a perfect solution for your highest value customers. RATE: 150 lbs./acre *50 lb. bags*

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**CREW**
**(Isoxaben, Dithiopyr)**
**EPA REG #62719-742**
**$ 145.00 per bag**




Crew specialty herbicide combines the power and proven safety of Dimension and Gallery specialty herbicides to offer a 2-in-1 solution for turfgrasses and landscape beds. Crew is safe to use on warm- and cool-season turfgrasses and over the top of more than 410 ornamentals. For premergence control of broadleaf and grassy weeds and early postemergence crabgrass in: landscape ornamentals, established turfgrass (commercial and residential), ornamental and sports turf, golf course fairways, aprons and roughs, tee boxes, campgrounds, parks, recreation areas, cemeteries and unimproved turfgrass areas, and non-crop areas. RATE: 150-200 lbs./acre *50 lb. bags*

**DIMENSION 2EW**
**(Dithiopyr)**
**EPA REG #62719-542**
**$ 325.00 per gallon for 2.5 gallons**
**$ 170.00 per half gallon**
**$ 7,200.00 per 30 gallon Drum**



Dimension 2 EW provides both pre-emergent and early post-emergent control of crabgrass, goosegrass, foxtail, spurge and oxalis. This flexibility allows the user to apply early or late in the spring season. It's a great product to be used with a broadleaf herbicide or Defender herbicide for extended control. It will not harm bentgrass or ornamentals. RATE: 16-24 oz./acre. 16 oz. = 0.25 lb. AI. *2 x 2.5 gallons or 4 x .5 gallons/case, 30 gallon drums*

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**DIMENSION ULTRA**
**(Dithiopyr)**
**EPA REG #62719-445**
**$ 175.00 per 40 oz. bag**



A water soluble bag formulation of Dimension herbicide. The WSB provides a much reduced odor smell over the standard EC formulation.RATE: 10-15 oz./acre, 10 oz. = 2 pouches = 0.25 lb. AI *8 x 8 x 5 oz. (20 lbs.)/case*

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**ESPLANADE 200 SC**
**(Indaziflam)**
**EPA REG #432-1516**
**$ 1,515.00 per gallon in 2.5 gallons**
**$ 465.00 per quart**




Esplanade 200 SC delivers superior pre-emergent control of broadleaf weeds and grasses where warm-season turfgrass coverage is desired. It offers broad-spectrum weed control for large hardscapes, roadways and railroad sites. One pre-emergent application offers season-long control of more than 75 weed species. It uses significantly less product per acre than competitive standards. Esplanade 200 SC is labeled for use on kochia, horseweed/mares-tail, pigweed, Russian thistle, yellow starthistle, annual bromegrass, barnyardgrass, crabgrass, foxtails, goosegrass, sprangletop, tufted lovegrass, annual sedges and more. RATE: 3.5-7 oz./acre *2 x 2.5 gallons/case*

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**FREEHAND**
**(Dimethenamid, Pendamethalin)**
**EPA REG #7969-273**
**$ 121.00 per bag**




FreeHand offers the ornamental grower and landscape manager a new tool for pre-emergence weed control of annual grasses, susceptible sedge species and many small-seeded broadleaf weeds. It is labeled for use in containers, liner and field commercial nurseries, Christmas trees and other forest tree nurseries, landscape ornamentals in maintained areas (residential and commercial) and general grounds maintenance in specified non-crop areas. RATE 100-200 lbs./acre *50 lb. bags*

# PRE-EMERGENT HERBICIDES

**GALLERY 75DF**
**(Isoxaben)**
**EPA REG #62719-145**
**$ 180.00 per lb.**



Gallery specialty herbicide is a pre-emergence product for the control of certain broadleaf weeds in established turgrass, landscape ornamentals, field grown ornamentals, ground-covers/perennials, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vinyards, Christmas trees/conifer plantations and non-cropland areas. Apply in the late-summer to early fall, in the early spring, or anytime prior to germination of target weeds, or immediately after cultivation. RATE: 0.66-1.33 lbs./acre *4 x 1 lb./case*

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**GALLERY SC**
**(Isoxaben)**
**EPA REG # 62719-658**
**$ 802.00 per gallon in 2 gallons**
**$ 208.00 per quart**



Gallery SC specialty herbicideis a convenient liquid formulation. The easy-to-use suspension concentrate formulation provides excellent plant tolerance and long-lasting control of more than 95 species of broadleaf weeds.
RATE: 16-31 oz./acre. *2 x 2 gallons or 12 x 1 quarts/case*

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**KADE 4L**
**(Prodiamine)**
**EPA REG #53883-379-86064**
**$ 135.00 per bag**




Liquid formulation offers season-long pre-emergent control of over 30 grassy and broadleaf weeds. Contains 40.7% prodiamine. RATE: .5-1.1 oz/1000 sq.ft. *2 x 2.5 gallons/case*

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**KADE 65 WDG**
**(Prodiamine)**
**EPA REG #81927-36-86064**
**$ 26.00 per lb.**




For control of annual grasses and broadleaf weeds in established lawns, ornamental turf (including golf course fairways, roughs, tee boxes), and established landscape ornamentals. RATE: 1-2.3 lbs./acre *4 x 5 lb. or 5 x 10 lb./case*

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**NEW! MESO 4SC SELECT**
**(Mesotrione)**
**EPA REG #89442-33**
**$ 59.00 per bottle**




Meso 4SC Select is a herbicide that can be used for both pre and postemergence control of more than 45 broadleaf weeds and grasses in turfgrass. Classified as a Group 27 herbicide, it inhibits photosynthesis in susceptible plants and is absorbed systemically through leaves, roots, and shoots. It can be effectively used for weed control prior to and when seeding of specific types of turfgrasses. RATE: 4-8 oz./acre, see label for details. *12 x 8 oz./case*

**PENDULUM 2G**
**(Pendimethalin)**
**EPA REG #241-375**
**$ 168.00 per bag**



A straight granular formulation pre-emergent herbicide for use in lawns, sod and other turf areas. Pendulum 2G is good in ornamental nurseries, established landscape ornamentals and ornamental gardens. Can be used on a wide variety of annuals and perennial beds. Refer to the label for a list of tolerable species. RATE: 75-100 lbs./acre *40 lb. bag*

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**PENDULUM AQUACAP**
**(Pendimethalin)**
**EPA REG #241-416**
**$ 115.00 per gallon in 2.5 gallons**
**$ 1,050.00 per 15 gallon drum**



A water-based formulation of Pendulum 3.3 EC. This formulation is a water microencapsulated capsule of the EC formulation. This allows you to apply this product with reduced staining. RATE: 1.1-1.5 oz./1000 sq. ft. *2 x 2.5 gallons per case or 15 gallon drum*

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**PENNANT MAGNUM**
**(S-Metloachlor)**
**EPA REG #100-950**
**$ 425.00 per gallon**



A formulation of the grassy weed pre-emergent that can be used with Roundup for year-round chemical weed and grass control. Pennant Magnum can be used on a wide variety of annuals. It is also the only herbicide that can be sprayed over-the-top of ornamental plants for nutsedge control. RATE: 0.75 oz./1000 sq.ft. *4 x 1 gallons/case*

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**PRINCEP LIQUID**
**(Simazine)**
**EPA REG #100-526**
**$ 75.00 per gallon ***DISCONTINUED, LOW STOCK**



Princep provides a tool to use in the fall to control a number of pesky winter annual weeds including *Poa annua*. It can be used on bermuda, centipede, St. Augustine and zoysia. It enters the weed through the roots to inhibit growth. It can be tank-mixed with Pennant Magnum herbicide to control additional weeds. Safe to use for winter weed control on semi-dormant turf with no green-up delay. RATE: 1-2 quarts/acre *2 x 2.5 gallons/case*

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**SNAPSHOT 2.5 TG**
**(Trifluralin + Isoxaben)**
**EPA REG #62719-175**
**$ 150.00 per bag**



A selective pre-emergent herbicide for the control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, Christmas trees, groundcovers/perennials, non-bearing fruit and nut trees, non-bearing vineyards and non-cropland areas. Apply anytime prior to germination of target weeds, or immediately after cultivation. Snapshot is the combination of Treflan and Gallery pre-emergent herbicides. RATE: 100-200 lbs./acre depending on the desired weeds to be controlled. *50 lb. bags*



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# PRE-EMERGENT HERBICIDES

**SPECTICLE FLO**
**(Indaziflam)**
**EPA REG #432-1518**
**$ 318.80 per 18 oz. bottle**
**$ 2,092.80 per gallon**




Specticle FLO is a new tool for pre-emergent weed control, providing broad-spectrum control of grassy weeds including *Poa annua*, crabgrass, goosegrass and more than 60 broadleaf weeds. This is a new, easy-to-measure formulation with a low use rate, resulting in effective applications with up to 40 times less active ingredient. An excellent new herbicide for use in landscape beds, gravel lots or anywhere where season-long grass and weed control is desired. RATE: 6-9 oz./acre. Do not exceed 10 oz. per acre in a single application or 8.5 oz. per acre in one year. *8 x 18 oz. or 2 x 1 gallons/case*

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**SPECTICLE G**
**(Indaziflam)**
**EPA REG #432-1523**
**$ 130.50 per bag**

Specticle G is a versatile, pre-emergent herbicide that sets a new standard for residual control at the lowest use rates on the market. It helps maintain premium, weed-free landscape beds for the entire growing season, making it one of the most effective tools in any turf manager's arsenal. It provides up to six months of broad-spectrum control against more than 90 broadleaf and grassy weeds, plus annual sedges. RATE: 150-200 lbs./acre or 3.44-4.6 lbs./1000 sq. ft. *50 lb. bags*

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**SUREGUARD EZ**
**(Flumioxazin)**
**EPA REG #59639-260**
**$ 285.00 per 64 oz.**
**$ 87.00 per pint**




SureGuard EZ Herbicide delivers season long pre-emerge residual control of grass and broadleaf weeds saving time and costs associated with re-application. SureGuard EZ also takes down post-emerge weeds up to 2" in height for a wider application window. For powerful post-emerge knockdown with lasting residual control, it is compatible with non-selective herbicides like glyphosate and glufosinate. The patent-pending liquid formulation is easy to mix, apply and clean with no staining, no odor, or volatility concerns. SureGuard EZ is approved for bare ground use sites on bare sites on golf course and landscapes, dormant Bermudagrass and aquatic uses. RATE: 10 oz./acre for weed control *4 x 64 oz. or 4 x 1 pints per case*

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**TENACITY**
**(Mesotrione)**
**EPA REG #100-1267**
**$ 933.75 per gallon**




Tenacity can be used for pre- and post-emergence control of more than 46 broadleaf weed and grass species. Its active ingredient, mesotrione, is based on a naturally occurring compound produced by the bottlebrush plant that inhibits photosynthesis in susceptible plant species. It is absorbed by plants through the roots, shoots and leaves and distributed throughout the plant by both xylem and phloem translocation. Great post-emergent option for the control of nimblewill in bluegrass, ryegrass or fescue. It will also remove bentgrass from bluegrass. Weeds controlled with pre-emergent applications of Tenacity: crabgrass, foxtail, creeping bentgrass, chickweed, clover, and supression of *Poa annua*. Post-emergent controlled weeds: barnyardgrass, creeping bentgrass, nimblewill, dandelion, white clover, goosegrass, ground ivy, henbit, purslane to name a few. Please refer to the label for a complete list. RATE: 5-8 oz./acre. *4 x 1 gallons per case or 8 oz. bottles*

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**TOWER**
**(Dimethenamid-P)**
**EPA REG #7969-239**
**$ 433.00 per gallon**




Tower is a broad-spectrum pre-emergence herbicide with a new active ingredient, dimethenamid-p, for use in golf course turfgrass and ornamental landscape management. Highly effective on many small-seeded broadleaf weeds, Tower also controls numerous grassy weeds, several annual sedges and yellow nutsedge. Tower controls susceptible weed species as an inhibitor of shoot formation and cell development. Application timings can take advantage of a wider use pattern with preemergence applications on hard-to-control species such as goosegrass, as well as broadleaf weeds such as spurges and doveweed. RATE: 21-32 oz./acre *2 x 2.5 gallons per case*

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**TRAMMEL DG PRO (Treflan 5G)**
**(Trifluralin)**
**EPA REG #9198-237**
**$ 52.00 per 40 lb. bag**




Trammel DG Pro is dispersable granule formulation for Treflan 5G. Trammel is a pre-emergent herbicide for the control of annual grasses and annual broadleaf weeds in landscape ornamentals, ground covers, established flowers, ornamental bulbs and non-bearing vineyards. Some of the weeds and grasses controlled are barnyardgrass, brome, crabgrass, cheat, foxtail, goosegrass, field sandbur, chickweed, knotweed, spurge and Russian thistle to name a few. Refer to the bale for a complete list. RATE: 1.8 lbs./1000 sq. ft. *40 lb. bag*

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**TRIONE XL**
**(Mesotrione)**
**EPA REG #91234-75-86064**
**$ 350.00 per gallon**




ArmorTech Trione XL is used during turf establishment and renovation projects to prevent or eliminate weeds and reduce competition with emerging turfgrass. Labeled for use on commercial and residential turf including golf courses (excluding putting greens), sod farms, sports turf and other areas. Controls Kentucky bluegrass, centipedegrass, buffalograss, tall fescue, perennial ryegrass, fine fescue, St. Augustine grass (grown for sod). RATE: 4-8 oz./acre *4 x 1 gallons*

# BROADLEAF HERBICIDES

**2,4-D AMINE**
**EPA REG #228-145**
**$ 46.00 per gallon in 2.5 gallons**
**$ 47.00 per gallon in 1 gallon**




An amine formulation of 2,4-D that can be used when the temperatures get too warm for Ester. 2,4-D is the basic broadleaf component to just about all other broadleaf herbicides. Used alone it will control just the most basic of broadleaf weeds, but best used as a tank mix partner with other herbicides. RATE: 2-4 pints per acre. *2 x 2.5 gallons/case*.

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**2,4-D ESTER**
**EPA REG #42750-15**
**$ 55.00 per gallon in 2.5 gallons**
**$ 44.00 per gallon in 1 gallon**

An ester formulation of 2,4-D that can be used when the temperatures are cool in the spring and fall, 2,4-D is the basic broadleaf component to just about all other broadleaf herbicides. Used alone it will control the most basic of broadleaf weeds, but besy used as a tank mix partner with other herbicides. RATE: 2-4 pints/acre. *2 x 2.5 gallons/case*

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**2-D HERBICIDE**
**(Triclopyr + Clopyralid)**
**EPA REG #53883-377**
**$ 177.00 per gallon**




2-D is labeled for the control of annual and perennial broadleaf weeds in established turfgrass, including sod farms, rangeland and permanent grass pastures, roadsides, CRP land and other non-crop areas. Contains 33% Triclopyr and 12.1% Clopyralid. RATE: 0.37-0.74 oz./1000 sq. ft. *4 x 1 gallons/case*

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**4-RUNNER**
**(MCPA + DICAMBA + TRICLOPYR + SULFENTRAZONE)**
**EPA REG #228-747**
**$ 75.00 per gallon in 2.5 gallons**
**$ 1,700.00 per 30 gallon drum**
**$ 13,300 per 250 gallon tote**




ArmorTech 4-Runner is your ultimate weapon against over 90 varieties of broadleaf weeds and nutsedge control. Designed as an exceptional alternative to 2,4-D formulations, this post-emergent herbicide ensures unparalleled performance in controlling the toughest weed challenges. It demonstrates remarkable cool-weather performance, outperforming conventional amine 3-way herbicides. This herbicide boasts observable results within hours of application, providing immediate satisfaction and visible proof of its highly effective weed control. It also maintains a high level of turfgrass tolerance, making it safe to use on both cool- and warm-season grasses. RATE: 1.0-1.7 oz./1000 sq. ft. *2 x 2.5 gallons/case or 30 gallon drums*

**ALLSTAR**
**(2,4-D + Quinclorac + Triclopyr + Sulfentrazone)**
**EPA REG #228-757**
**$ 82.00 per 64 ounces**
**$ 115.00 per gallon in 2.5 gallons**
**$ 4,100.00 per 30 gallon drum**




Allstar is a unique four-way broad-spectrum selective herbicide, an altogether powerful combination. Allstar is a fast-acting herbicide for use on selected cool-season and warm-season turfgrasses developed to single-handedly control grassy weeds, nutsedge and tough broadleaf weeds like spurge, clover, dollarweed, ground ivy, oxalis, wild violet and Virginia buttonweed. RATE: 1.1-3 oz./1000 sq.ft. 4 x 64 ounces, *2 x 2.5 gallons/case or 30 gallon drums*

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**AQUASWEEP**
**(2-4 D + Triclopyr)**
**EPA REG #228-316**
**$ 40.00 per quart ***CLOSEOUT PRICE**




The first liquid premix with full terrestrial and aquatic uses. Aquasweep offers outstanding broad-spectrum control of broadleaf weeds, invasive and noxious weeds, trees and brush. Provides control of emergent, floating and submerged aquatic weeds. It provides selectivity for grasses, allowing excellent recolonization. Some of the turfgrass broadleaf weeds Aquasweep is labeled are black medic, ground ivy, dandelion, cocklebur, clover, chickweed, mustard, wild violet, and poison ivy. Also labeled for range and pasturelands. RATE: 1-2 quarts in enough water to make 20-200 gallons total sprayer per acre *6 x 1 quarts/case*

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**CHASER 2 AMINE**
**(2,4-D Amine + Triclopyr)**
**EPA REG #34704-930**
**$ 92.00 per gallon**



A superior warm weather broadleaf herbicide. Its amine formulation controls a wide spectrum of broadleaf weeds, including hard-to-kill weeds that other herbicides will not. For use on fence rows, non-irrigation ditchbanks, roadsides, other non-crop areas, industrial sites and rights-of-way. Labeled for the control of clover, dandilion, cocklebur, oxalis, black medic, chickweed, ground ivy and wild violet to name a few. Refer to the label for a complete list. RATE: 1-1.5 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**CHASER TURF**
**(2-4 D Ester + Triclopyr)**
**EPA REG #34704-928**
**$ 85.00 per gallon**



An ester formulation of Chaser Amine, Chaser Turf is a superior cool-weather broadleaf herbicide. It is an ester formulation that controls a wide-spectrum of broadleaf weeds, including hard-to-kill weeds that other herbicides will not. Foliage sprays should be applied during warm weather when weeds are actively growing. Application under drought conditions may provide less than desirable results. Use low spray pressures to minimize spray drift. Labeled for the control of black medic, chickweed, clover. dandelion, ground ivy, henbit, purslane, plaintain, poison ivy and sowthistle to name a few. RATE: 1-2 quarts/acre *2 x 2.5 gallons/case*



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# BROADLEAF HERBICIDES

**CONFRONT**
**(Triclopyr + Clorpyralid)**
**EPA REG #62719-92**
**$ 265.00 per gallon**



A non-phenoxy broad-spectrum weed killer for control of annual and perennial broadleaf weeds in ornamental turf. It's best know for its outstanding control of clover. Confront is ideal for high-use areas, including golf courses, parks, commercial grounds and other public facilities. It is no longer labeled for use on residential turf. RATE: 1-2 pints/acre. *4 x 1 gallons/case.*

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**ESCALADE 2**
**(2,4-D + Fluroxypyr + Dicamba)**
**EPA REG #228-442**
**$ 163.00 per gallon**



Escalade 2 is a premium combination herbicide that uses the advanced new fluroxypyr active to quickly control a comprehensive spectrum of broadleaf weeds in turfgrass. Also an innovative formulation, Escalade 2 will eradicate most broadleaf weeds from turfgrass and provides unsurpassed control of clover. It effectively controls more than 100 broadleaf weeds, including dandelion, plantain, oxalis, chickweed and other hard to control species. RATE: 0.75 oz. in 0.5-5.5 gallons of water/ 1000 sq. ft. *2 x 2.5 gallons/case*

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**GAME ON**
**(2,4-D Choline salt + Fluroxypyr meptyl + Halauxifen-methyl)**
**EPA REG #62719-724**
**$ 80.00 per gallon**



GameOn specialty herbicide, a cutting-edge formulation, delivers exceptional broad-spectrum post-emergence broadleaf weed control. GameOn includes a new active ingredient, Arylex, as well as 2,4-D, choline and fluroxypyr. GameOn delivers fast-acting systemic control of more than 100 broadleaf weeds on nonresidential turf, including golf courses, industrial sites, commercial sod farms, cemeteries and unimproved turfgrass areas. (Residential use label expected to be added soon) RATE: 3-4 pints/acre (1.1-1.5 oz./1000 sq. ft.) *2 x 2.5 gallons/case*

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**GARLON 3A**
**(Triclopyr)**
**EPA REG #62719-37**
**$ 125.00 per gallon**



Garlon 3A provides superior woody plant and broadleaf weed control, while maintaining the integrity of roadsides or rights-of-way. Broad-spectrum brush and broadleaf weed control that translocates to control the entire plant, shoots and roots. It is selective to warm- and cool-season right-of-way grasses, including fescue, brome and native grass species. Garlon 3A is labeled for foliar applications as well as applications to emerged weeds and brush in standing water or on banks and shores of ponds or lakes found on rights-of-way or production forests. It is rainfast within two hours. RATE: 2-5 pints/acre *2 x 2.5 gallons/case*

**GARLON 4 ULTRA**
**(Triclopyr)**
**EPA REG #62719-527**
**$ 150.00 per gallon**



Garlon 4 Ultra is the industry standard for basal cut-stump, basal bark and dormant stem treatments, delivering excellent broad-spectrum control of woody plants even after other products call it quits for the season. It is a patented, non-petroleum-based, plant-derived seed oil solvent, reducing environmental impact. It demonstrates increased efficacy on multiple woody species, including mesquite, sweetgum and scotch broom compared to other formulations of triclopyr ester. It offers broad-spectrum control of brush and broadleaf weeds. RATE: 1-8 quarts/acre *2 x 2.5 gallons/case*

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**HAMMERDOWN**
**(2, 4-D + MCPA + Dicamba)**
**EPA REG #89442-22**
**$ 43.50 per gallon for 2.5 gallons ***CLOSEOUT PRICE**
**$ 42.50 per gallon for 30 gallon drum ***CLOSEOUT PRICE**
**$ 40.00 per gallon for 265 gallon mini drum ***CLOSEOUT PRICE**

Ignition Hammerdown selective herbicide utilizes a combination of three selective herbicides to control a wide variety of hard-to-kill broadleaf weeds, such as dandelion, clover and plantain. Hammerdown has been demonstrated through university trials, to be an effective solution that can be safely applied to both cool and warm season grasses. Hammerdown is a low odor formulation that may be applied to woody brush in non-cropland areas and be tank mixed with liquid fertilizers or liquid iron materials. RATE 1.1-1.5 oz./1000 sq. ft. *2 x 2.5 gallons/case, 30 and 55 gallon drums, 265 gallon totes*

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**HORSEPOWER**
**(MCPA + Triclopyr + Dicamba)**
**EPA REG #228-313**
**$ 95.00 per gallon**



A non 2,4-D Amine formulation broadleaf herbicide that is great to use during the warmer months. Horsepower controls hard to control weeds such as chickweed, clover, oxalis, spurge, wild violets and many others. Refer to the label for a complete list of weeds controlled. Horsepower is a great summertime herbicide option as it can be applied in air temperatures up to 90 degrees. RATE: 0.73-1.1 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**IMAZAPYR**
**(Imazapyr)**
**EPA REG #81927-30524**
**$ 200.00 per gallon in 2.5 gallons**




Alligare's Imazapyr 4 SL offers broad spectrum control of 185 annual, biennial, and perennial weeds and brush. The pre- and post-emergent, non-selective herbicide is ideal for a variety of use sites. RATE: See label for details. *2 x 2.5 gallons/case*

# BROADLEAF HERBICIDES

**LONTREL**
**(Clopyralid)**
**EPA REG #62719-305**
**$ 310.00 per quart**



Lontrel provides a high level of turf safety while offering superior post-emergence control of clover, dandelion, thistle and dollarweed. Lontrel is labeled for use on both warm- and cool-season turf, but sets the standard for safety to turf in closely mowed bentgrass and bermudagrass fairways. Also for control on non-residential turf, including sod farms and certain ornamental plantings. RATE: 0.33-0.5 pints/acre. *12 x 1 quarts/case*

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**MCPP-P 4 AMINE**
**(Mecoprop)**
**EPA REG #228-192**
**$ 88.00 per gallon**

MCPP-p 4 Amine is labeled for the control of clover, chickweed, plantain, knotweed and morning glory. MCPP is labeled for use on bluegrass, fescue, bentgrass on fairways and greens. RATE: 1 oz./1000 sq. ft. on greens, 1.5 oz./1000 sq. ft. on fairways and lawns *2 x 2.5 gallons/case*

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**MEC AMINE-D**
**(2,4-D + Mecoprop-p + Dicamba)**
**EPA REG #34704-239**
**$ 47.00 per gallon for 2.5 gallons**
**$ 2,400.00 per 250 gallon mini drum**



Mec Amine-D is a basic three-way post-emerge broadleaf herbicide for selective broadleaf weed control in turfgrasses. It controls clover, plaintains, henbit, dandelion, wild onion and other broadleaf weeds. Labeled for use on lawns and ornamental areas, including parks, golf courses, cemetaries, athletic fields, sod farms and highways. RATE: 1.1-1.5 oz./1000 sq. ft. *2 x 2.5 gallons/case, 250 gallon mini drums*

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**MILLENNIUM ULTRA 2**
**(2,4-D + Clopyralid + Dicamba)**
**EPA REG #228-332**
**$ 115.00 per gallon for 2.5 gallons**
**$ 3,400.00 per 30 gallon drum**



Millennium Ultra 2 is a selective herbicide that is labeled for use on a wide range of weeds. Some of which include dandelion, chickweed, black medic, knotweed, plantain, oxalis, clover, and thistle. Millennium Ultra 2 is no longer labeled for use on residential turf, but is an excellant option for broadleaf control on golf and commercial turf. RATE: 2-3 pints/acre *2 x 2.5 gallons/case or 30 gallon drums*

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**NATIVEKLEAN**
**(Aminopyralid + 2,4-D)**
**EPA REG #62719-730**
**$ 138.00 per gallon**



Designed for native/naturalized areas, NativeKlean provides a low-maintenance solution for consistent control of broadleaf weeds. It offers effective control or suppression of more than 100 invasive and noxious weeds. With one simple application per season, itreduces native area management, so you can focus resources on the primary playing areas of your course. RATE: 19-34 oz./acre *4 x 1 gallons/case*

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**QUICKSILVER**
**(Carfentrazone)**
**EPA REG #279-3265**
**$ 330.00 per 8 oz.**

Quicksilver is a contact herbicide with little or no residual activity that provides selective post-emergence control of broadleaf weeds in turfgrass. It is rainfast within one hour. Complete desiccation and death occurs with 7-14 days. It is best known for its control of moss on putting greens and tees. Labeled for use on several broadleaf weeds, but should be mixed with a phenoxytype herbicide for complete control of all hard to control weeds. RATE: 1.0-2.1 oz./1000 sq. ft. by itself, 0.9-1.5 oz. in combination with a trimec-type product. FOR MOSS CONTROL: Use 6.7 oz./acre (0.154 oz./1000 sq. ft.) followed by another application in two weeks at the same rate. *Available in 8 oz. bottles*

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**SPEEDZONE EW**
**(2,4-D + MCPP + Dicamba + Carfentrazone)**
**EPA REG #2217-1053**
**$ 135.00 per gallon for 1 gallon**
**$ 135.00 per gallon for 2.5 gallons**
**$ 2,800.00 per 30 gallon drum**



SpeedZone EW features an emulsion-in-water formulation – a technological advance from EC formulations that rely on solvents to solubilize active ingredients. The EW formulation is engineered for use in low-volume and conventional sprayers. Ideal for use on golf courses, residential and commercial turf areas, it controls more than 90+ tough broadleaf weeds, including dollarweed, ground ivy, and spurge. It is labeled for use on Kentucky bluegrass, annual bluegrass, annual ryegrass, perennial ryegrass, and tall fescue. You'll see a visual response within 24 hours, weed death in 7–14 days, and rainfast in as little as three hours. Allows for reseeding in one week. RATE: 3-5 pints/acre *2 x 2.5 gallons or 4 x 1 gallons/case*

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**SURE POWER**
**(2,4-D + Triclopyr + Fluroxypyr + Flumioxazin)**
**EPA REG #228-741**
**$ 90.00 per gallon in 2.5 gallons**



Sure Power is a new standard in herbicide power, providing swift early-season and late-season control to strike down challenging broadleaf weeds. In fact, broad-spectrum Sure Power is proven to produce excellent control of ground ivy and wild violet. Its four-way formulation manages more than 250 broadleaf weeds, making Sure Power a valued tool in the pursuit of clean, cool-season turf. It is ideal for early- and late-season application and is rainfast after one hour. RATE: 0.73-1.28 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**SURGE**
**(Sulfentrazone + 2,4-D + MCPP + Dicamba)**
**EPA REG #2217-867**
**$ 95.00 per gallon for 1 gallons**
**$ 100.00 per gallon for 2.5 gallons**
**$ 2,500.00 per 30 gallon drum**



A broadleaf herbicide for use in turfgrass. Surge is a low odor, water-based herbicide that has great control of most broadleaf weeds, such as dandelion, clover, thistle, knotweed,



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ground ivy, oxalis and many more. Refer to the label for details. Surge provides an amine option for fast weed control in warmer weather. It can be applied in temperatures up to 90 degrees. Surge also provides suppression of young and actively growing yellow nutsedge. RATE: Refer to the label for details. *2 x 2.5 gallons or 4 x 1 gallons/case, 30 gallon drums*

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**TRIAD QC SELECT**
**(Quinclorac + Dicamba + 2,4-D)**
**EPA REG #89442-45**
**$ 150.00 per gallon in 2.5 gallons**




Triad QC Select combines 3 active ingredients to provide postemergence control of a comprehensive list of both grassy and broadleaf weeds. Perfect late season clean up product for areas that didn't receive pre-emergence herbicide application in the spring. Can be applied as a spot application or broadcast spray. Controls newly germinated 1- to 2-leaf crabgrass, to 1-tiller crabgrass and when crabgrass has matured to 5-tillers or greater. Presence of quinclorac contributes to control of grassy weeds, is absorbed by the foliage and roots RATE: 7-8 pints/acre (112 to 128 fl . oz./acre) in a spray volume of 20-300 gallons/acre. See label for details. *2 x 2.5 gallons/case*

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**TRIAD T SELECT**
**(2,4-D + MCPA + Triclopyr + Dicamba)**
**EPA REG #89442-56**
**$ 60.00 per gallon in 2.5 gallons**
**$ 1,500.00 per 30 gallon drum**
**$ 10,750.00 per 265 gallon tote**




Triad T Select is a selective postemergence broadleaf herbicide. It contains four active ingredients to control listed annual and perennial broadleaf weeds in Kentucky bluegrass, perennial ryegrass, and tall and fine fescues. Weed control symptoms may be seen within a few days after application. Weed death often occurs in 1-4 weeks post application, depending on the application rate, sensitivity of the target weed, and environmental conditions. RATE: 3.25-4 pints/acre *2 x 2.5 gallons/case, 30 gallon drum, 265 gallon tote.*

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**TRICLOPYR 3A SELECT**
**(Triclopyr)**
**EPA REG #42750-127**
**$ 60.00 per gallon in 2.5 gallons**




Triclopyr 3A is labeled for the control of woody plants, broadleaf weeds. Broad-spectrum control of brush and broadleaf weeds It's a non-volatile amine formulation. It's labeled for foliar applications, as well as applications to emerged weeds and brush in standing water or on banks and shores of ponds or lakes found on rights-of-way or production forests. Rainfast within two hours. Compare to Garlon 3A. RATE: 1-8 quarts/acre *2 x 2.5 gallons/case*

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**TRICLOPYR 4E SELECT**
**(Triclopyr)**
**EPA REG #42750-126**
**$ 115.00 per gallon in 2.5 gallons**




Triclopyr 4E Select is an emulsifiable, oil-soluble liquid herbicide that targets woody plants and annual and perennial broadleaf weeds. It can be applied as a basal bark or as a foliar spray. When used as a foliar spray, it only affects woody plants that are fully leafed at the time of application and herbaceous plants that have emerged from the ground. Small amounts of this product can injure non-target crops and plants, so follow the label directions carefully. Recommended for application to areas such as ornamental turf, rangeland, rights of way, grass pastures, non-crop areas, and industrial sites. Compare to Garlon 4. RATE: 1-8 quarts/acre *2 x 2.5 gallons/case*

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**TRIMEC BENTGRASS**
**(2,4-D + MCPP + Dicamba)**
**EPA REG #2217-529**
**$ 105.00 per gallon**




Trimec Bentgrass formula provides superior post-emergence broadleaf weed control in bentgrass greens and other sensitive grasses. Especially effective in controlling clover, red sorrel, knotweed, spotted spurge, chickweed, and dandelion, it provides dependable broadleaf weed control for bentgrass greens, tees, fairways and aprons. It's also registered for use on buffalograss, centipedegrass, and St. Augustinegrass, and is effective in temperatures as low as 50°F. Do not spot spray with this product. RATE: 3-4 pints/acre or 1.1-1.5 oz./1000 sq. ft. *4 x 1 gallons or 2 x 2.5 gallons/case*

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**TZONE SE**
**(Triclopyr + Sulfentrazone + 2,4-D + Dicamba)**
**EPA REG #2217-920**
**$ 52.00 per quart**
**$ 115.00 per gallon in 1 gallon**
**$ 107.00 per gallon for 2.5 gallons**
**$ 2,500.00 per 30 gallon drum**




TZone SE for tough weeds uses the proven performance of triclopyr and precise ratios of multiple active ingredients to provide effective cool-weather weed control in a speed product. TZone SE kills wild violet, ground ivy, oxalis, clover, and the toughest broadleaf weeds in turf, and provides suppression of young and actively growing yellow nutsedge. Ideal for use on residential and commercial lawns and golf courses. Please refer to the label for details and a complete list of the weeds controlled. RATE: 1.2-1.5 oz./1000 sq. ft. *4 x 1 gallons, 2 x 2 1/2 gallons, 12 x 1 quarts per case, 30 gallon drum*

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**VESSEL**
**(2,4-D + MCPP + Dicamba)**
**EPA REG #2217-656-72112**
**$ 48.00 per gallon in 1 gallon**
**$ 48.00 per gallon in 2.5 gallons**
**$ 1,300.00 per 30 gallon drum**
**$ 2,400.00 per 55 gallon drum**
**$ 10,500.00 per 275 gallon tote**




Vessel is the same product as Trimec 992 and Mec Amine D. Vessel is the PROKOZ-branded Trimec 992, made by PBI-Gordon. The PROKOZ buying group saves you money by bulk-buying branded products. Vessel broadleaf herbicide is used for the control of a wide spectrum of broadleaf weeds on turf. Some weeds controlled are dandelion, chickweed, knotweed and spurge. Save your money and purchase Vessel. RATE: 1.0-1.5 oz./1000 sq. ft. *2 x 2.5 gallons, 4 x 1 gallons, 30 gallon drum, 55 gallon drum, and 275 gallon tote*

# POST-EMERGENT HERBICIDES

**NEW! ACCLAIM ACCELERATE**
**(Quinclorac)**
**EPA REG #89442-57-101563**
**$ 105.00 per bottle**




Acclaim Accelerate targets crabgrass with a formulation that improves absorption into the plant and controls the full range of crabgrass, including the tougher to control intermediate size (3 to 5 tiller) unlike other formulations of quinclorac. It also offers shorter time to rainfast and improved control under minor drought stress condition compared to other formulations of quinclorac. RATE: For spot applications, apply 1.10-1.45 oz./1,000 sq. ft. *4 x 64 ounces/case*

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**ACCLAIM EXTRA**
**(Fenoxaprop-ethyl)**
**EPA REG #432-950**
**$ 1,300.00 per gallon**

Acclaim Extra is a post-emergent control of annual and perennial weeds, including hard and soft crabgrass, goosegrass, barnyardgrass, foxtail, and johnsongrass. Safe to use on established perennial ryegrasses, fine fescues, tall fescues, and bluegrass. Acclaim is labeled for use on some varieties of bentgrass. Spraying with a fine tip is recommended and control is best when used on warmer days. RATE: 0.08-0.9 oz./1000 sq. ft. *4 x 1 gallons/case*

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**ARKON**
**(Pyrimisulfan)**
**EPA REG #2217-1072**
**$ 218.00 per gallon in 1 gallon**
**$ 212.00 per gallon in 2.5 gallons**




Arkon herbicide delivers post-emergence control of sedges and kyllingas, and listed broadleaf weeds on cool and warm-season turfgrass across a wide variety of use sites. And Arkon is proven to reduce the number and viability of nutsedge tubers. Arkon works best if allowed to dry on the plant, however, Arkon does have rootzone activity so if there is rain or irrigation within the first 2-3 hours following application it will still work to control labeled weeds. RATE: 1.2-1.7 oz./1000 sq. ft. *4 x 1 gallons or 2 x 2.5 gallons/case*

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**BASAGRAN T&O**
**(Sodium Salt of Bentazon)**
**EPA REG #7969-326**
**$ 118.00 per gallon**




Basagran T&O herbicide offers reliable, cost-effective post-emergent control of tough broadleaf weeds, yellow nutsedge, annual sedges and more. It can also provide weed control in ornamentals. When used as directed, Basagran T&O can be used in cool and warm-season turfgrass and ornamentals, and along roadsides. It can be easily tank-mixed with other herbicides to affordably increase their spectrum of control. RATE: 0.55-0.75 oz./1000 sq. ft. *5 x 1 gallons/case*

**BRUSHMASTER**
**(2,4-D Esters + Dicamba)**
**EPA REG #2217-774**
**$ 145.00 per gallon**
**$ 48.00 per quart**




Brushmaster Herbicide provides economical and dependable control of the toughest brush, including multiflora rose, brambles, poison ivy, poison oak, kudzu, and many other listed vines, trees, and broadleaf weeds. A low-volatile ester Trimec herbicide complex formulation, it offers application flexibility and can be applied almost any time of year. It's ideal for use on fencerows, roadsides, firebreaks, around farmstead buildings, and other non-cropland areas. RATE: 1.33-15 oz./1000 sq. ft. *4 x 1 gallons or 12 x 1 quarts/case*

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**CELERO**
**(Imazosulfuron)**
**EPA REG #59639-155**
**$ 217.00 per lb.**




Celero herbicide is a selective, post-emergence herbicide for control of sedges, including kyllinga, in established residential and commercial turfgrass, golf courses and sod farms. Imazosulfuron, the active ingredient in Celero, is a systemic sulfonylurea (SU) herbicide that translocates down to the roots to deliver superior sedge control. RATE: 0.25-0.33 oz./1-2 gallons for spot applications *4 x 1 lb./case*

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**CERTAINTY**
**(Sulfosulfuron)**
**EPA REG #524-534**
**$ 165.00 each**




Certainty provides unique opportunities for selective, post-emerge weed control in warm-season turf and ornamentals. It offers the flexibility to be applied to a wide range of warm-season turfgrasses, including bermudagrass, bahiagrass, buffalograss, centipedegrass, kikuyugrass, seashore paspalum, St. Augustinegrass and zoysiagrass. Labeled for use in residential and commercial sites, sod farms and certain golf course applications, including native warm-season grass sites. It is the ideal choice for selective weed control in managed turf or landscape settings. RATE: 0.75-2.0 oz./acre *10 x 0.25 oz./case*

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**DEFENDOR**
**(Florasulam)**
**EPA REG #62719-560**
**$ 220.00 per quart**




Defendor specialty herbicide is a post-emergence product effective at pre-emergence timing. Designed to perform in cold weather, Defendor prevents dandelion bloom and controls other spring weeds before they're ever seen. Extremely effective control of dandelion, clover and other broadleaf weeds, including clover, carolina geranium, chickweed, dollarweed, knotweed, black medic and wild mustard. Apply in late fall or early spring when temperatures are still cool — a time when other post-emergence herbicides aren't effective. RATE: 4 oz./acre *4 x 1 quarts/case*



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# POST-EMERGENT HERBICIDES

**DISMISS**
**(Sulfentrazone)**
**EPA REG #279-3295**
**$ 900.00 per 64 oz. bottle ***CLOSEOUT PRICE**

Dismiss takes charge of yellow nutsedge and green kyllinga. It produces visible results on sedges in as little as 24-48 hours! It is unique in the way it controls sedges, by attacking the weed on the surface and penetrating the soil to control sedge tubers. This helps to prevent future outbreaks, reducing the need for re-treats down the line and minimizing additional labor and chemical costs. It herbicide is surprisingly gentle on your turf. Available in easy-to-use 6 oz. and 64 oz. (1/2 gallon) bottles, Dismiss is well tolerated on 13 common turfgrasses. RATE: 0.092-0.275 oz./1000 sq. ft. *12 x 6 oz. or 4 x 64 oz./case*

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**DISMISS NXT**
**(Carfentrazone-ethyl + Sulfentrazone)**
**EPA REG #279-3383**
**$ 100.00 per 10 oz. bottle**
**$ 510.00 per 60 oz. bottle**

With the introduction of Dismiss NXT Herbicide, the best yellow nutsedge and kyllinga product just got better. Dismiss NXT Herbicide is a next generation combination product. It combines two PPO-inhibiting herbicides effectively providing fast visual symptoms within 24 hours and long-term control in both cool and warm-season turf. Dismiss NXT has a greater impact on yellow nutsedge tuber viability than the industry's #1 herbicide choice. RATE: 5.1-10.2 oz./acre *8 x 10 oz. or 4 x 60 oz./case*

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**DRIVE XLR8**
**(Quinclorac)**
**EPA REG #7969-272**
**$ 103.00 per 64 oz. bottle**
**$ 180.00 per gallon in 2.5 gallons**




A great post-emergent herbicide for the control of germinated crabgrass, as well as some broadleaf herbicides. Drive is absorbed by foliage and roots and translocated throughout the plant. It must not be sprayed where mist can carry on to flowers, plants, trees, shrubs, or especially tomatoes, eggplants and bell peppers. This formulation allows for quicker uptake and quicker burndown of target weeds. Keep in mind, Drive works best on very young or very mature crabgrass plants, but struggles on plant that are in between that. RATE: 64 oz./acre *4 x 64 oz. or 2 x 2.5 gallons/case*

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**FUSILADE II**
**(Fluazifop-P-butyl)**
**EPA REG #100-1084**
**$ 178.00 per quart**




Fusilade II herbicide is a selective post-emergent turf and ornamental herbicide that controls a long list of both perennial and annual grass weeds in a variety of turf and landscape areas. Fusilade II can be applied over-the-top or as a directed spray without damaging valuable ornamentals. It can also be used at reduced rates to safely remove bermudagrass from tall fescue and zoysiagrass. RATE: 0.4-0.6 oz./1000 sq. ft. in sufficient water, along with 0.25% of a nonionic surfactant. *8 x 1 quarts/case*

**MILESTONE**
**(Triisopropanolammonium salt)**
**EPA REG #62719-519**
**$ 150.00 per quart**
**$ 465.00 per gallon in 2.5 gallons**



Milestone offers excellent invasive weed control, across a wide variety of use sites. It does so with little-to-no damage to grasses, forbs or other key members of the native plant community, allowing you to restore native habitats to their full potential. It can be utilized across nearly all vegetation management sites, including wetlands and certain aquatic settings. It is also elective to most cool- and warm-season perennial grasses. There is a wide application window and no grazing restrictions for any livestock. Milestone is best for broadleaf weed, and invasive and noxious weed control; the choice for thistle and knapweed control. RATE: 3-7 oz./acre *12 x 1 quarts/case*

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**OCTANE**
**(Pyraflufen ethyl: Acetic acid)**
**EPA REG #228-719**
**$ 155.00 per 8 oz. bottle**




Octane is a simple, economical solution to faster weed control. Best applied on a sunny day, weeds sprayed with Octane show visual herbicidal symptoms within 24-48 hours. Emerged weeds are quickly killed, helping in timely tournament prep or instant satisfaction by membership and greens committees. Octane is also safe to use on recently seeded turf. RATE: 1-4 oz./acre for broadleaf, 2.0-6.8 oz for moss control *12 x 8 oz./case*

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**PATHFINDER II**
**(Triclopyr)**
**EPA REG #62719-176**
**$ 108.00 per gallon**



Pathfinder II is a ready-to-use herbicide for basal bark and cut-stump use. It contains the same active ingredient as Garlon herbicides. It is selective to warm- and cool-season right-of-way grasses, including fescue and brome, and warm- and cool-season native grass species. Pathfinder II controls more than 80 woody plant species and is ideal for low-profile individual plant treatments. No mixing is required and the product is low odor. RATE: Ready to Use *2 x 2.5 gallons/case.*

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**PATHWAY**
**(Picloram + 2,4-D)**
**EPA REG #62719-31**
**$ 90.00 per gallon**



Pathway provides broad-spectrum control of hard-to-kill broadleaf weeds. It's the best and most-consistent option for clearing buckbrush. It also increases desirable grass production. Pathway provides the best pigweed residual and blackberry control. It delivers superior control of Pensacola bahiagrass in established bermudagrass pastures. It improves animal health and performance when used to suppress Kentucky 31 tall fescue seedheads. RATE: Use as a RTU for cut stump treatment, 2 gallons/acre for weed control *2 x 2.5 gallons/case.*

# POST-EMERGENT HERBICIDES

**PLATEAU**
**(Ammonium Salt of Imazapic)**
**EPA REG #241-365**
**$ 260.00 per gallon**




Plateau provides long-term suppression of common roadside grasses like tall fescue, Bahiagrass and smooth bromegrass, as well as invasive and noxious species like cheatgrass and leafy spurge. Plateau also helps release and establish native grasses and wildflowers. It's effective against problem species such as bindweed, cheatgrass, houndstongue, Johnsongrass, leafy spurge, medusahead, sandbur, tall fescue, toadflax and vaseygrass, Fall applications of Plateau helps effectively control cheatgrass, a primary source of major fires in the West each year. RATE: 2-12 oz./acre *2 x 1 gallons/case*

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**PYLEX**
**(Topramezone)**
**EPA REG #7969-327**
**$ 416.00 per 4 oz. bottle**




Pylex herbicide is the standard for the control of Bermudagrass and goosegrass in cool-season turf. It has also shown excellent control of nimblewill, crabgrass, clover, speedwell, and others. Pylex herbicide has shown it is safe to most cool-season grasses such as Kentucky bluegrass, tall fescue, fine fescue, and perennial ryegrass. It has shown varied tolerance on bentgrass (moderate to severe injury) and annual bluegrass (minimal to moderate injury) at labeled use rates. RATE: 0.023-0.034 oz./1000 sq. ft. *4 x 4 oz./case*

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**Q4 PLUS HERBICIDE**
**(Quinclorac + Sulfentrazone + 2, 4-D + Dicamba)**
**EPA REG #2217-930**
**$ 157.00 per gallon in 1 gallon**
**$ 167.00 per gallon in 2.5 gallons**
**$ 4,400.00 per 30 gallon drum**
**$ 57.00 per quart**



Q4 Plus turf herbicide offers a single product option to control grassy weeds like crabgrass and yellow nutsedge, as well as tough broadleaf weeds like clover and chickweed. Highly selective on cool-season turfgrasses, Q4 Plus is ideal for bluegrasses, ryegrasses, and fescues. Q4 Plus offers rapid visual response and has a one-week reseeding interval for most listed turf. RATE: 2.6-3.0 oz./1000 sq. ft. *4 x 1 gallon, 2 x 2.5 gallons, 12 x 1 quarts/case, 30 gallon drum*

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**QUINTESSENTIAL**
**(Quinclorac)**
**EPA REG #7969-398**
**$ 105.00 per half gallon**
**$ 117.00 per gallon in 2.5 gallons**




Quintessential with H-Value™ Technology alters the formulation of quinclorac in a way that improves absorption of the product into the plant. That means faster activity and higher rate load in the targeted weed, as well as improved performance in drought stress or rainfast situations. And unlike any other herbicide on the market, Quintessential demonstrates improved control of crabgrass at all growth stages, including the problematic 3-5 tiller stage. Quintessential will be the essential tool for combatting crabgrass and other troublesome turf weeds. RATE: 0.6-0.9 oz./1000 sq. ft. *4 x .5 gallons or 2 x 2.5 gallons/case*

**SOLITARE**
**(Sulfentrazone + Quinclorac)**
**EPA REG #279-3355**
**$ 305.00 per lb. in 1 lb. containers**
**$ 596.40 per 4 lb. container**

Solitare herbicide is the only all-in-one post-emergence weed control solution specifically designed to combat any combination of crabgrass, sedges and broadleaf weed problems you might encounter in a single application. It combats post-emergence weeds from the foliage down and the root up. Labeled for the control or suppression of over 60 weeds, it provides fast, visible results with symptoms appearing just a few days after treatment. RATE: 0.367-0.735 oz./1000 sq. ft. *6 x 1 lb./case or 4 lb. containers*

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**SOLITARE WSL**
**(Sulfentrazone +Quinclorac)**
**EPA REG #279-3470**
**$ 104.96 per gallon in 2.5 gallons**

Solitare WSL takes the powerful, broad-spectrum control of Solitare WDG to an even greater level – adding in the convenience of a built-in surfactant and optimized WSL formulation. Solitare WSL is a water-soluble liquid formulation and the only all-in-one postemergence weed control solution specifically designed to combat any combination of crabgrass, clover, wild violet, sedges and broadleaf weed problems from the foliage down and the root up. RATE: 4-6.5 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**SUBLIME**
**(Triclopyr + Dicamba + Mesotrione)**
**EPA REG #89442-55**
**$ 145.00 per gallon in 1 gallons**
**$ 140.00 per gallon in 2.5 gallons**
**$ 65.00 per quart**




Sublime is the only product on the market powered by the combination of triclopyr, dicamba and mesotrione. This innovative non-phenoxy formulation reliably delivers a much wider spectrum of selective, post-emergent and residual control, particularly on many of the most challenging broadleaf and grassy weeds in turfgrass. In addition to an unprecedented level of performance, the unique blend of active ingredients in Sublime suppresses the common and unsightly bleaching symptoms that can be caused by mesotrione alone. RATE: 0.25-1.0 oz./acre *4 x 1 gallons or 12 x 1 quarts/case*

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**TRIAD QC SELECT**
**(Quinclorac + Dicamba + 2,4-D)**
**EPA REG #89442-45**
**$ 150.00 per gallon in 2.5 gallons**




Triad QC Select combines 3 active ingredients to provide postemergence control of a comprehensive list of both grassy and broadleaf weeds. Perfect late season clean up product for areas that didn't receive pre-emergence herbicide application in the spring. Can be applied as a spot application or broadcast spray. Controls newly germinated 1- to 2-leaf crabgrass, to 1-tiller crabgrass and when crabgrass has matured to 5-tillers or greater. Presence of quinclorac contributes to control of grassy weeds, is absorbed by the foliage and roots RATE: 7-8 pints/acre (112 to 128 fl . oz./acre) in a spray volume of 20-300 gallons/acre. See label for details. *2 x 2.5 gallons/case*



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# NON-SELECTIVE HERBICIDES

**CHEETAH PRO**
**(Gluphosinate ammonium)**
**EPA REG #228-743**
**$ 110.00 per 64 oz. bottle**
**$ 178.00 per gallon in 2.5 gallons**



Cheetah Pro non-selective, post-emergence herbicide provides fast, effective control of the toughest broadleaf and grass weed challenges, including those resistant to glyphosate and multiple herbicide classes. Its novel mode of action works quickly to control undesirable plant vegetation around ornamental trees, shrubs, and potted plants, as well as landscape trim and natural areas. It also has minimal soil residual, which makes it an effective pre-plant treatment for turf, ornamentals, and greenhouses. RATE: 0.5-2.0 oz./1000 sq. ft. *2 x 2.5 gallons or 4 x 64 oz. bottles/case*

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**FINALE XL**
**(Glufosinate-ammonium)**
**EPA REG #7969-464**
**$ 149.00 per gallon ***CLOSEOUT PRICE**




Finale XL T&O is a non-selective, contact herbicide with enhanced active ingredient loading that can be used anywhere you desire total weed control. It has pinpoint accuracy and delivers fast control of the toughest weeds at lower use rates than prior formulations. It's the perfect tool for spot treatments and precision edging along cart paths, fences and landscape beds. RATE: 3.2 oz./gallon of water. *2 x 2.5 gallons/case*

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**RANGER PRO**
**(Glyphosate 41%)**
**EPA REG #524-517**
**$ 54.00 per gallon in 2.5 gallons**
**$ 1,300.00 per 30 gallon drum**




This product is a post-emergence, systemic herbicide with no residual soil activity. It gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid containing surfactant and no additional surfactant is needed or recommended. It moves through the plant from the point of foliage contact to and into the root system. RATE: 0.66-13 oz./1000 sq. ft., 3 oz./gallon for spot apps *2 x 2.5 gallons/case or 30 gallon drums*

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**ROUNDUP CUSTOM**
**(Glyphosate 53%)**
**EPA REG #524-343**
**$ 95.00 per gallon**




Roundup Custom herbicide gives applicators maximum use flexibility for both aquatic and terrestrial jobs. Maximum application flexibility for weed and brush control on land and around water. Non-selective and highly effective on more than 190 species of emerged weeds, brush and vines. RATE: 0.66-10 oz./1000 sq. ft. (1 oz./gallon for cattails), Use Delux or Influence for a surfactant. *2 x 2.5 gallons/case*

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**ROUNDUP PRO CONCENTRATE**
**(Glyphosate 50.2%)**
**EPA REG #524-529**
**$ 60.00 per gallon**



Roundup PRO Concentrate delivers unsurpassed weed and brush control that's rainfast in as little as one hour. It has a more concentrated formulation and proven surfactant technology. It's active ingredient has favorable environmental characteristics. It is non-toxic to birds, fish and mammals when used according to label directions. It binds tightly to soil, making it unlikely to move to groundwater. It also has no residual soil activity, so it won't be taken up by the roots of non-target plants. RATE: 0.66-13 oz./1000 sq. ft., 3 oz./gallon for spot applications *2 x 2.5 gallons/case*

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**ROUNDUP PRO MAX**
**(48.7% Glyphosate)**
**EPA REG #524-579**
**$ 100.00 per gallon**
**$ 1950.00 per 30 gallon drum**




A fast-acting formulation of Roundup Pro. This new potassium salt formulation has a lower use rate for more effective control over the old Roundup Pro. Roundup Pro Max is a non-selective herbicide for the control of annual and perennial weeds and grasses. It does translocate through the plant. You can reseed seven days after application. Roundup Pro Max can be used with Pennant or Surflan for 4-month control. RATE: 2 oz./1000 sq. ft. *2 x 2.5 gallons/case or 30 gallon drum*

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**ROUNDUP QUIKPRO**
**(Glyphosate + Diquat)**
**EPA REG #524-535**
**$ 225.00 per 6.8 lb. jug**
**$ 33.00 per 5 x 1.5 oz. box**



QuikPRO herbicide, powered by Roundup technology is the latest, and most anticipated, turf and ornamental herbicide development from Monsanto. QuikPRO shows symptoms in as little as 24 hours. QuikPRO is formulated as a water-soluble granual and packaged in easy measure bottles. RATE: 1.5 oz./gallon of water/1000 sq. ft. *6.8 lb. jugs or 30 x 1.5 oz./case*

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**ROUNDUP QUIKPRO SC TOTAL**
**(Indaziflam +Diquat + Glyphosate)**
**EPA REG #432-1532**
**$ 120.00 per gallon in 2.5 gallons**
**$ 160.00 per 114 oz bottle**



Roundup QuikPro SC Total is a broad-spectrum, non-selective herbicide that provides residual control of grassy and broadleaf weeds for up to six months. It targets broadleaf weeds like chickweed, corn speedwell, henbit, kochia, crabgrass, and barnyard grass. This product is safe for use near landscape shrubs and trees. It yields results within hours. It is already pre-mixed for backpack sprayer applications. RATE: 16 oz/gallon of water/1000 sq ft. *2 x 2.5 gallons or 4 x 144 oz/case*

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**TORDON RTU**
**(Picloram)**
**EPA REG #62719-31**
**$ 35.00 per quart**



Tordon RTU specialty herbicide effectively kills cut stumps when you are cleaning out fence lines and non-cropland areas. No mixing or measuring is required, and you can use it nearly year-round. Just pour it into the convenient squirt bottle applicator, and go to work. It keeps more than 20 woody species at bay. Product must be applied to a fresh cut stump to maximize product uptake. Refer to the label for details. RATE: Spray or paint freshly cut stumps and stubs undiluted. *12 x 1 quarts/case*

# STERILANTS

**BASAMID G**
**(Dazomet)**
**EPA REG #5481-9027**
**$ 540.00 bag**



BASAMID G, the only granular soil fumigant on the market that completely sterilizes soil and eliminates weeds, grasses, nematodes and disease for a healthy and vigorous start for new turf. No equipment or tarps are necessary, which allows users the flexibility to renovate only the areas desired. BASAMID G sterilizes soil quickly, and allows reseeding in as few as ten days. This easy-to-use granular soil fumigant is labeled for lawn and turf renovation, golf course construction and renovation, lawn and turf seedbeds, ornamental production fields, landscape beds, potting soil, non-berring berry, vine, fruit and nut crops, soil media and soil heaps. RATE: 6-10 lbs./1000 sq. ft. *50 lb. bags*

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**DIURON 80DF**
**(Diuron)**
**EPA REG #81927-12**
**$ 15.00 per lb.**




Diuron 80 DF is a non-selective residual herbicide for the control of a wide range of grasses, broadleaf weeds in land not intended to bear vegetation, including industrial sites, railways, and other non-crop situations. Diuron 80DF may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time. The degree of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall, and other conditions. RATE: 0.75-4 lbs./acre *10 x 5 lbs./case*

**KROVAR I DF**
**(Bromacil + Diuron)**
**EPA REG #432-1551**
**$ 22.00 lb.**




Krovar I DF herbicide is a dispersible granule soil sterilant herbicide to be mixed in water and applied as a spray for selective control of weeds in citrus and for non-crop weed control. Krovar I DF controls many annual weeds and, at the highest rates allowed by this label, it controls certain perennial weeds. Best results are obtained if treatment is made to moist soil, and moisture is supplied by rainfall or sprinkler irrigation within two weeks after application. Combo tank mixes of Krovar and Oust are highly effective. RATE: 6-16 lbs./acre *8 x 6 lb./case*

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**MOJAVE 70 EG**
**(Imazapyr + Diuron)**
**EPA REG #81927-25**
**$ 23.00 per lb.**




A dispersible granule intended to be mixed with water and surfactant(s) for application to non-crop areas such as railroad, utility, pipeline and highway rights-of-way and more. Can be used for weed control under paved surfaces. Labeled for use on most vegetation and small brush. For gravel or dense vegetation, minimum of 1 gallon of water per thousand is recommended with 2 gallons preferred. Glyphosate as a tank mix partner is highly recommended. RATE: 7-19 lbs./acre with 10-15 lbs. preferred for maximum control. *10 x 5 lbs./case*

# POA ANNUA HERBICIDES

**POACURE**
**(Methiozolin)**
**EPA REG #89633-5**
**$ 330.00 per bottle**




PoaCure SC is a pre-post-emergence herbicide that will selectively control annual bluegrass (Poa annua var. annua), perennial type of annual bluegrass (Poa annua var. reptans), and roughstalk bluegrass (Poa trivialis) in various established golf course turf, including creeping bentgrass putting greens and fariways and other turf areas consisting of various cool and warm season turfgrasses. Recommended applications per year are 1-6 for greens or fairways/roughs. Application intervals are 2-3 weeks. One 16 oz. bottle is good for six applications on 4,400 $ft^2$ putting greens. RATE: See label for details. *20 x 16 ounces/case*

**VELOCITY PM**
**(Bispyribac Sodium)**
**EPA REG #59639-258**
**$ 560.00 per bottle**




Velocity Poa Management herbicide was developed to support the needs of your transition program, gradually and selectively removing postemergence annual bluegrass (*Poa annua*) and roughstalk bluegrass (*Poa trivialis*) and numerous broadleaf weeds, transitioning a Poa-mixed stand back to a purer turf. Velocity PM reduces *Poa annua* seedhead production while also suppressing the development and severity of dollar spot. RATE: 0.38-2.25 oz./acre *8 x 16 ounces./case*



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# GROWTH REGULATORS



Nufarm
Grow a better tomorrow

## Let no weed past the first punch.

Developed for grassy weeds, nutsedge and difficult-to-control broadleaf weeds, Allstar™ Herbicide is a powerful four-way, fast-acting combination. Get consistent control of annual and perennial broadleaf weeds, along with sedges and crabgrass – all in one punch.




## Connect with us

Sam Wineinger
Regional Sales Manager - Midwest
sam.wineinger@nufarm.com
816.718.1070

Learn more about Allstar and our premium herbicide solutions at **NUFARM.COM/DEFEAT-WEEDS**

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Allstar is a trademark of Nufarm.

# GROWTH REGULATORS

**ANUEW**
**(Prohexadione calcium)**
**EPA REG #1001-91**
**$ 112.00 per lb.**




Anuew is a proprietary tool for cool- and warm-season turf management. Anuew contains prohexadione calcium, a new active ingredient with a novel mode of action that can be applied to all managed turf areas, including golf greens, tees, fairways and rough, residential and commercial lawns, sod farms, sport fields and similar areas. Anuew is unique to other PGRs in that you do not see a "growth flush" towards the end of the control as the product wears off. Iron or Nitrogen is not needed to mask PGR like systems with Anuew. RATE: 8-16 oz./acre on fairways, roughs and general turf, 2-8 oz. on greens and tees *4 x 4 x 1.5 lb./case*

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**ANUEW EZ**
**(Prohexadione calcium)**
**EPA REG #1001-92**
**$ 182.00 per 64 oz. bottle**
**$ 310.00 per gallon in 2.5 gallons**




Anuew EZ is the new liquid formulation of the popular Anuew plant growth regulator. It shifts carbohydrates to the plant roots to visibly improve turfgrass quality, density and appearance. When converting from Anuew to Anuew EZ rates, multiply your WDG rate by 2.2X to deliver equivalent AI. RATE: 0.2-0.8 oz./1000 sq. ft. *4 x 64 oz or 2 x 2.5 gallons/case*

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**CUTLESS MEC**
**(Flurprimidol)**
**EPA REG #67690-51**
**$ 456.00 per half gallon bottle**
**$ 532.00 per gallon in 2.5 gallons**




Cutless MEC is a PGR that provides shoot growth suppression of warm and cool season turfgrasses, resulting in decreased mowing frequency and turfgrass clippings. It increases turfgrass density, wear resistance and improves color. Cutless supresses growth of *Poa annua*, reducing populations and shifting competitive growth advantage towards perennial turfgrasses. Cutless MEC improves water-use efficiencey resulting in pre-drought stress conditioning. RATE: Fairway height bentgrass 24.6-49.2 oz./acre, Bentgrass putting greens 12.3-24.6 oz./acre, Kentucky bluegrass and perennial ryegrass 36.9-49.2 oz./acre *4 x 64 ounces or 2 x 2.5 gallons/case*

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**LEGACY**
**(Flurprimidol + Trinexapac-ethyl)**
**EPA REG #67690-46**
**$ 519.00 per gallon in 2.5 gallons**
**$ 410.00 per gallon in 1 gallon ***CLOSEOUT SIZE**




Legacy integrates patented synergistic turf growth regulator technology to reduce stem elongation and leaf blade length in perennial cool- and warm-season turfgrasses on golf courses, resulting in a more compact and dense growth habit. Legacy's synergistic growth regulation, resulting from its dual sites of action and plant uptake, leads to enhanced growth suppression, improved turfgrass color and quality, extended TGR spray intervals, discouragement of *Poa annua*, and more uniform growth regulation in mixed turfgrass stands. RATE: 8-22 oz./acre. *2 x 2.5 gallons or 4 x 1 gallons/case*

**MUSKETEER**
**(Flurprimidol + Paclobutrazol + Trinexapac-ethyl)**
**EPA REG #67690-57**
**$ 400.00 per gallon**




Musketeer is the first turf PGR to incorporate Triple Turf PGR Technology to uniquely and effectively suppress gibberellic acid synthesis, leading to superior growth regulation of targeted turfgrasses. Specifically formulated to aggressively target growth suppression of *Poa annua* in cool-season turfgrass species, such as creeping bentgrass, while providing excellent turfgrass enhancement. The result—more bentgrass and less *Poa annua*. RATE: 12-30 oz./acre. *2 x 2.5 gallons/case*

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**PAC-LOW**
**(Paclobutrazol)**
**EPA REG #62097-24-53883**
**$ 285.00 per gallon**




This systemic plant growth regulator slows vegetative growth by inhibiting gibberellin biosynthesis in turfgrass and trees. It slows the vertical growth of turf within 3-10 days, thereby reducing mowing frequency for a 6-8 week period. After application, the turf gradually becomes greener and denser for up to 12 weeks. RATE: 6.4-16 oz./acre on greens, 16-32 oz. on all other turf. *4 x 1 gallons/case*

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**PGR 113**
**(Trinexapac-ethyl)**
**EPA REG #86064-3**
**$ 140.00 per gallon in 2.5 gallons**
**$ 180.00 per gallon in 1 gallon**




ArmorTech PGR 113 is a microemulsion concentrate used to manage growth and improve quality and stress tolerance of turf edging and warm- and cool-season turfgrasses. As a regular part of turf maintenance PGR 113 can help increase turf density and decrease water needs, giving turf the boost it needs to survive the most difficult summers. It can also help reduce line trimming frequency around obstacles, including trees, cart paths and hazards. Safely tank mix with any other ArmorTech® product. For best results, use should begin before extreme summer stress and continue bi-weekly as needed. RATE: 4.5-44 oz./acre. See label for details. *2 x 1 gallons/case*

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**PRIMO MAXX**
**(Trinexapac Ethyl)**
**EPA REG #100-752**
**$ 317.00 per gallon**
**$ 2,990.00 per 10 gallon linkpak**




A systemic growth regulator that provides reduction for approximately four weeks on both warm- and cool-season turfgrasses, without injuring nearby ornamentals. Unlike other PGR's, Primo Maxx targets the part of the plant which inhibits vertical growth while enabling rich color, lateral stems and root mass development. RATE: 0.25-1.0 oz./1000 sq. ft. *2 x 1 gallons/case*

# GROWTH REGULATORS

## MULTIPAK SAVINGS



**PRIMO MAXX/TRIMMIT MULTIPAK**
**EPA REG #100-752**
**$ 749.00 per Multipak**

Primo Maxx and Trimmit 2SC plant growth regulators can be used together for long-term growth regulation by increasing turf density, improving stress tolerance and optimizing playability on greens. *Multipak contains 1 gallon of Primox Maxx and 1 gallon of Trimmit*

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**PROXY**
**(Ethephon)**
**EPA REG #432-1230**
**$ 100.00 per gallon**

Proxy helps control growth of desirable cool-season grasses and suppresses seedheads of *Poa annua* and white clover. This product does not cause initial turf shock, phytotoxicity or post-application growth surge. It helps reduce labor and creates turf that is denser, tighter-knit and more playable. It's a liquid PGR that is foliar-absorbed. This Type II PGR works by affecting cell length, which in return promotes lateral growth. RATE: 5 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**T-NEX 1 AQ**
**(Trinexapac-ethyl)**
**EPA REG #66222-212**
**$ 225.00 per gallon for 1 gallons**
**$ 225.00 per gallon for 2.5 gallons**

A micro-emulsion concentrate used to manage growth and improve quality and stress tolerance of warm- and cool-season turfgrasses. Improves rich color, lateral stems and root mass development and inhibits vertical shoot growth. It helps produce healthy, durable blades in turfgrass. Effective on fescue, bentgrass, bermudagrass, annual bluegrass, *Poa annua*, bluegrass, ryegrass, buffalograss, St. Augustinegrass, among others. RATE: 0.125-1.0 oz./1000 sq. ft. *2 x 1 gallons or 2 x 2.5 gallons/case*



**TRIMMIT 2SC**
**(Paclobutrazol)**
**EPA REG #100-1014**
**$ 561.00 per gallon in 4 x 1 gallon**
**$ 513.00 per gallon in 2 x 2 1/2 gallons**

Trimmit 2SC is a plant growth regulator for turfgrass that slows grass growth for up to 2 months after application. The frequencey of mowing can be reduced by up to 50% during the period of effective retardation. Trimmit 2SC is highly effective on *Poa annua* and can be used in aiding in *Poa annua* reduction by slowing the growth enough to allow desirable turfgrasses to takeover. RATE: 6.4-16 oz./acre on greens, 16-32 oz. on all other turf. *4 x 1 gallons or 2 x 2.5 gallons/case*

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**VERVE**
**(Ethephon)**
**EPA REG #228-660**
**$ 58.00 per gallon**

Verve plant growth regulator is a concentrated formulation of ethephon with a wide range of uses on tobacco, fruit crops, fruiting vegetables, wheat and barley to improve quality, yield and harvestability. It prevents formation of undesirable fruit and promotes earlier maturation and coloring of leaves. This concentrated formulation requires less product to be handled and stored. RATE: 1-8 pints/acre. *2 x 2.5 gallons/case*

# ANTI-TRANSPIRANTS



**LEAFSHIELD**
**(Parrafin + oxidized polyethylene)**
**$ 63.00 per gallon ***CLOSEOUT PRICE**

LeafShield provides safe and effective protection against desiccation injury. It forms a protective barrier that seals leaf stomata to reduce moisture loss. LeafShield dries to a thin, waxy layer that protects foliage without discoloration. It is safe to use on all plant types, including blue spruce and other sensitive varieties. LeafShield's odorless, non-sticky formulation mixes easily with water and washes effortlessly out of spray equipment with soap and water. It can be applied in sunny or cloudy conditions, further increasing ease of use. RATE: 4-8 oz./gallon *2 x 2.5 gallons/case*



**TRANSFILM**
**(Polymeric terpenes + oxidized polyethylene)**
**$ 75.00 per gallon**

TransFilm Anti-Transpirant coats leaf surfaces with a clear, glossy film that provides a water-impermeable layer to protect the plant and decrease the rate of transpiration. A single application of TransFilm in late fall provides durable winter protection for shrubs, trees, and golf greens, and a spring application helps reduce dew formation and leaf blade wetness. A TransFilm application prior to transplanting also helps reduce transplant shock to plants, shrubs, and sod. RATE: 3-12 oz./gallon, see label for details. *2 x 2.5 gallons/case*



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# WETTING AGENTS



# FLEX APPEAL.




## A FAST ACTING DUAL-ACTION GRANULAR THAT TREATS AND PREVENTS LOCALIZED DRY SPOT

**AQUEDUCT FLEX** contains an exclusive dual-action formula specifically designed to give turf care professionals superior performance with flexible options for dealing with stressful conditions, including water repellency and localized dry spot.

**Benefits of Aqueduct Flex:**

- Provides rapid recovery of stressed turf with visible results in as little as 3 DAYS when used at the treatment rate
- Provides up to 30-DAY PROTECTION against the development of localized dry spot when applied on a monthly basis at the preventative rate
- Safe to use on all turf varieties

The Aquatrols® Company

**Ben Pease, PhD**
**North Central Territory Manager**
bpease@aquatrols.com
(515) 343-6705
**AquatrolsCompany.com**



# WETTING AGENTS

**ALYPSO PLUS**
**Infiltration Surfactant**
**$ 82.00 per gallon in 2.5 gallons**
**$ 3,300.00 per 55 gallon drum**




Alypso Plus is a new infiltration surfactant from Precision Labs that will be replacing Duplex and Duplex Ultra. Alypso Plus speeds up the infiltration of water into thatch and throughout the root zone and conditions water in the spray and the soil. Alypso Plus is a unique combination of a naturally-derived infiltration surfactant and concentrated organic acid. RATE: 0.75-1.0 oz./1000 sq. ft. For injection 1 quart/acre *2 x 2.5 gallons/case*

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**AQUEDUCT**
**Straight and Reverse Block Co-Polymer**
**$ 127.00 per gallon**




Aqueduct is a rapid recovery soil surfactant that is specifically designed to quickly alleviate localized dry spot. It can also be used as a pre-treatment tool to correct problem areas on turf before starting a regular preventative soil surfactant program. Aqueduct moves water deeply into problem areas, reducing water repellency and restoring the rootzone's ability to regain optimum moisture levels. In doing so, Aqueduct quickly reduces turf wilt and promotes recovery of stressed turf faster than other products on the market. Once you have serious localized dry spots, Aqueduct is what you have to use. Aqueduct reduces hydrophobicity in the soil profile. RATE: Apply 8 oz./1000 sq. ft. *5 gallon pails*

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**AQUEDUCT FLEX**
**Straight and Reverse Block Co-Polymer**
**$ 200.00 per bag**




Aqueduct Flex provides rapid recovery of stressed turf, with visible results in as little as 3 days when applied at the treatment rate. Aqueduct Flex also provides up to 30-day protection against the development of localized dry spot when applied on a monthly basis. Aqueduct Flex is safe to use on all turf varieties and areas, including golf course greens, tees, fairways, athletic fields, and residential lawns. It can also be used on ornamental gardens, landscapes, trees, and shrubs. It does not need to be watered-in when applied, and will not burn when used as directed. Aqueduct Flex is biodegradable and non-toxic to plants. RATE: 1 lb./1000 sq. ft. for preventative, 2.5 lbs. for curative *44 lb. bag*

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**CASCADE PLUS**
**Block Co-Polymer**
**$ 125.00 per gallon ***CLOSEOUT PRICE**




A combination of nonionic surfactants that hydrate the soil and penetrate to provide deeper, more uniform water infiltration, Cascade Plus is used to prevent localized dry spot (LDS), correct hydrophobic soil conditions and provide firmer, faster playing surfaces under all conditions. A single application wetting agent that is designed to work for 4-6 months. Provides firmer, faster playing surfaces under all conditions. It will improves irrigation efficiency, conserving water and saving you money. RATE: Use monthly at 4 oz. with 1 oz. of Duplex. Make two 8 oz. applications, 7-10 days apart *2 x 2.5 gallons/case*

**NEW! CASCADE TRE**
**Block Co-Polymer**
**$ 125.00 per gallon**




Cascade Tre builds upon the cornerstone product of Precision Laboratories and brings innovation to the Cascade brand. Delivering the same trusted performance of the Cascade legacy, but with optimized water use efficiency and turfgrass safety. Versatile rates allow golf course superintendents to customize their Cascade Tre program to achieve their desired hydration and playability. RATE: 2-8 oz./1000 sq. ft. See label for details. *2 x 2.5 gallons/case*

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**DISPATCH SPRAYABLE**
**Block Co-Polymer with Alkyl Polyglucoside**
**$ 145.00 per gallon**




An economical soil surfactant that is designed to conserve water. Dispatch Sprayable is more concentrated than the dispatch injectable, so the application rates are lower with less jugs to handle. Dispatch Sprayable is a great product to use when spraying insecticides or pre-emergents that need to move through the turf to the soil. RATE: 8 oz./acre weekly or 16 oz. every two weeks *2 x 2.5 gallons/case*

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**DUPLEX**
**Block Co-Polymer**
**$ 65.00 per gallon**




Designed for irrigation injection, Duplex combines penetrants with a buffering agent that neutralizes hard water ions. Duplex improves the infiltration of rainfall or irrigation through thatch, moving water, plant protectants or nutrients into the soil solution. It is compatible with plant protectants and other surfactants. Great product to mix with Cascade or Tricure. RATE: As an injection, apply 20 oz. into water volume sufficient to treat one acre. As a spray, apply 20 oz. in a minimum of 60 gallons of water to treat one acre. *2 x 2.5 gallons/case*

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**FLO THRU A-PLUS**
**Acid-Based Penetrant**
**$ 80.00 per gallon in 2.5 gallons**




FloThru™ A-Plus is an acid-based penetrant that dissolves bicarbonates and frees calcium. Available soil calcium will then displace soil sodium. The penetrant "flattens" droplet beading by reducing water tension. This results in even coverage of sprays on leaf blade. The penetrant also provides even water penetration into the soil which reduces localized dry spots. The double action of FloThru™ A-Plus results in even spray coverage on leaf blade, faster and even water penetration into soil, and consistent soil moisture due to uniform water movement. Dissolving bicarbonates provide available soil calcium for an extended period due to the long-lasting acid. RATE: 0.75-3.0 oz./1000 sq. ft. *2 x 2.5 gallons/case*

# WETTING AGENTS

**FORTÉ**
**(Non-hazardous surfactants)**
**$ 290.00 per 64 oz. bottle ***CLOSEOUT PRICE**




No more 30 gallon drums! Forte is extemely concentrated for very low use rates. Each 1/2 gallon jug will treat 4 acres! The primary role of Forté is to accelerate penetration of water into the soil and reestablish hydration uniformly. Once in the rootzone, Forte alleviates soil water repellency, the cause of localized dry spot. The surfactant in Forté is coupled with another component that dramatically increases the activity of the surfactant to provide enhanced turf performance. Forté will not diminish turf quality that other products are known to cause initially after application. RATE: 16 oz./acre *6 x 64 oz./case*

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**HYDRATION A-PLUS**
**Acid-Based Plant & Soil Hydrating Agent**
**$ 123.00 per gallon in 2.5 gallons**



**Plant & Soil Hydrating Agent & Bicarbonate Reducer.** Hydration A-Plus provides uniform water movement and consistent plant & soil moisture, while reducing sodium and bicarbonates! This Plant & Soil Hydrating Agent dissolves bicarbonates and frees calcium. Available soil calcium will then displace soil sodium. The triple action of Hydration A-Plus results in faster water penetration into soil, consistent soil moisture due to uniform water movement, prevents LDS due to its ability to hold moisture in soils that are water repellent and dissolves bicarbonates due to the long-lasting acid. RATE: 0.75-4.0 oz./1000 sq. ft. (2-4 oz. for sodium flush) *2 x 2.5 gallons/case*

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**IN-FLOW**
**Proprietary Blend of Surfactants**
**$ 105.00 per bag**




In-Flow is a granular soil conditioner and surfactant that influences water's ability to flow into and throughout the profile of infield skins. This helps sports turf managers find the desired balance between water retention and movement, resulting in a better performing infield over a longer period of time. With In-Flow you will use less water to get optimal playing conditions, maintain moisture levels for longer and improve profile structure. It is environmentally safe, economical, and easy to use. RATE: 5 lbs./1000 sq. ft monthly or as needed. *50 lb. bag*

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**MAGNAPLEX**
**Polyethylene – Polypropylene Glycol Block Co-Polymer**
**$ 78.00 per gallon**




Apply Magnaplex as a rescue treatment or as a proactive approach to water management. The infiltration surfactant in Magnaplex improves water penetration through aggressive turf and thatch, while the hydration component uniformly moves water within the root zone. Better hydration and infiltration results in improved color, quality and volumetric water content. A blend of Magnus and Duplex at a 4 to 1 ratio, MagnaPlex combines the hydration of Magnus and the infiltration of Duplex in a convenient, easy-to-use formulation that does not require immediate post-application irrigation. RATE: 5 oz./1000 sq. ft. *2 x 2.5 gallons/case*

**REVOLUTION**
**Modified Methyl Capped Block Co-Polymer**
**$ 175.00 per gallon**
**$ 3,826.50 per 30 gallon drum**




Revolution is a surfactant chemistry specifically designed for optimization of rootzone moisture and maintenance of fine turf performance. The first application should begin at least 1 month before normal stress conditions set in. In Iowa, applications should be made from mid-April to the first week of May. Product should be sprayed on and allowed to dry, then watered in at night with 1/3" of irrigation of 4" deep. This allows the product to move down instead of binding in the thatch. A great product for golf greens. RATE: 6 oz./1000 sq. ft. monthly *2 x 2.5 gallons/case or 30 gallon drums*

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**TERAFIRM**
**(Propanediol + Poly2-methyloxirane + Docusate sodium)**
**$ 89.00 per gallon**




Terafirm is a non-phytotoxic soil penetrant developed to promote accelerated water movement away from the soil surface. This is accomplished by reducing the water's surface tension and facilitating downward water movement. It will not contribute to excess water-holding. Regular use of Terafirm offers the professional an effective tool to help maintain drier soil surface conditions. Try mixing 3 oz. of Tricure with 1 oz. of Terafirm for an outsanding monthly product. RATE: 2-4 oz./1000 sq. ft. monthly *2 x 2.5 gallons/case*

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**NEW! TRIACTIV**
**(Sulfer + Nitrogen + Oxirane)**
**$ 99.00 per gallon**

Triactiv is a highly concentrated blend of TriCure AD soil wetting agent, L-form amino acids & stress metabolites, biostimulants, acidifiers and carbon. It is designed to target multiple turfgrass stressors providing a unique approach to both prevent stress conditions in the soil while also strengthening the turf to tolerate whatever nature throws at it. All the components in Triactiv have been proven effective and rigorously tested via independent and university research. Together in a program specific to your unique turf conditions and stress concerns, Triactiv can reduce both turf and superintendent stress. RATE: 4-8 oz./1000 sq. ft. monthly *2 x 2.5 gallons/case*

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**TRICURE AD**
**Reverse Block Co-Polymer**
**$ 127.00 per gallon in 2.5 gallons**
**$ 3,200.00 per gallon in 30 gallon drums**
**$ 15,500.00 per 260 gallon tote**




An improved formulation of the original Tricure that include dry down capabilities. Tricure AD works by attaching to soil particles, reducing the surface tension of water, and attracting a thin film of water close to the particle surfaces. This allows the optimum moisture to be held for plant use while facilitating ware release and effective drainage. TriCure AD treats all multi-facial, particle surfaces including sand, soil, thatch, peat, and organic amendments. It's formulated to release excess water often trapped in macro and micro pore space by other surfactants. Tricure AD improves root length and mass. For greens with heavy thatch, use 3 oz. of Tricure AD with 1 oz. of Terafirm or 2 oz. each for extreme cases. RATE: 4-6 oz./1000 sq. ft. *2 x 2.5 gallons/case, 30 gallon drums, 260 gallon tote*



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# WETTING AGENTS

**TRICURE PELLETS**
**Reverse Block Co-Polymer**
**$ 440.00 per case**



A fast, safe and convenient method of applying Tricure surfactant through hose-end applicators. Packaged in easy-to-carry three pellet tubes, Tricure Pellets are designed to dissolve quickly, usually around 10 minutes, allowing fast application with chemical dosage sufficent to effectively spot-treat hydrophobic soils. RATE: Use 1 pellet per green (1 pellet provides control for 1-2 weeks for every 6000 sq. ft.) *12 x 3 pellets/case*

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**TRICURE PELLET APPLICATOR**
**$ 225.00 each**
**$ 35.00 each - replacement applicator cup**



Our new applicator has a better, more durable valve and nozzle, and a new design for water rotation within the chamber to help pellets dissolve evenly. It features a patented nozzle for large droplets and an outstanding fan pattern. It evenly dissolves and applies the TriCure Pellet cartridge. The nozzle and precision flow control valve can be removed and used independently. It has a straining screen insert for protection against spitting.

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**TRIPLO**
**$ 82.00 per gallon in 2.5 gallons**
**$1,300.00 per 20 gallon drum**




Triplo is a combination of surfactants designed to increase the movement of irrigation and rainwater into and throughout the rootzone of natural playing surfaces. Triplo is a combination of 40% hydration and 60% penetrant. Triplo is convenient and easy to use. It does not require irrigation immediately after application. Its labeled for use on both golf courses and athletic fields. RATE: 2.5-5 oz./1000 sq. ft. *2 x 2.5 gallons/case, 20 gallon drums*

**NEW! VIVAX ORO**
**Block Co-Polymer**
**$ 91.00 per gallon in 2.5 gallons**
**$ 2,500.00 per 30 gallon drum**
**$ 4,300.00 per 55 gallon drum**
**$ 20,000.00 per 270 gallon tote**




Utilizing a unique blend of proprietary surfactant components, Vivax Oro offers improved wetting and rewetting characteristics, with the additional benefit of delayed watering-in without loss of efficacy. This enhancement offers turfgrass managers the same trusted performance with a greater window of flexibility when scheduling applications and irrigation. It reduces surface tension to minimize runoff and is effective across a wide-range of conditions. RATE: Apply 5 oz./1000 sq. ft. in sufficient water volume. *2 x 2.5 gallons/case, 30 gallon drums, 55 gallon drums or 270 gallon totes*

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**VIVAX TABS**
**Block Co-Polymer**
**$ 425.00 per case**




Vivax Tabs contain the same surfactants as Vivax within an easy-to-use tablet. Vivax Tabs are designed to improve water infiltration into and throughout localized dry spots (LDS) and provide relief from plant stress across a wide range of soils and turf types. RATE: One tablet covers 12,000-18,000 sq. ft. of turf *24 x 6 tablets per case*

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**ZIPLINE**
**$ 160.00 per gallon**




Zipline powered by AquaVita is a soil surfactant that contains Aquatrols' cutting edge, proprietary technology specifically designed to aid turf care professionals to consistently deliver fast, firm, fine turf with soil resource enhancement. It aids soil enhancement by unlocking existing bound nutritional elements. Nutritional elements become more plant available, laying the foundation for consistent playing surfaces. Zipline is safe to use on all turf types. RATE: 2-8 oz./1000 sq. ft., 6-8 oz. on greens *2 x 2.5 gallons/case*

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# SOIL TECH BIOLOGICALS

# Time to Show Thatch Who's Boss.
# Time to Drop the
# B.O.M.B.™




## Breakdown of Organic Matter with Biology

SOILTECH
Teaming With Biology

**Manufactured by Soil Technologies Corp.**
2103 185th St Fairfield IA 52556 US A

Tel: 1-641-472-3963
sales@soiltechcorp.com
https://www.soiltechcorp.com/

# SOIL TECH BIOLOGICALS

**NEW! AMPLIPHY**
**$ 80.00 per gallon**

A proprietary blend of live beneficial microorganisms, antioxidants, humic substances and minor nutrients. This proprietary combination of rhizobacteria and fulvic and humic acids is intended to repopulate sterile soils with plant beneficial microorganisms and improve turf nutrient absorption. AmpliPhy is to be mixed with water or liquid fertilizer and spray applied or injected through an irrigation system. RATE: 1 pint/acre, per label instructions. *2 x 2.5 gallons/case*

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**ARMOREX**
**$ 185.00 per gallon**



Armorex is a unique pesticide and repellent product, formulated from botanical extracts. This multi-action liquid kills soil pathogens and nematodes on contact and then maintains a repelling action against nematodes and other soil insect pests. It is effective in turf, tree, and ornamental applications. Tests on golf course turf have shown that when Armorex is used in a rotation with Bac-Pack, the lance nematode populations are reduced as much as 90%. RATE: 1-2 gallons/acre, per label instructions. *2 x 2.5 gallons/case*

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**BAC-PACK**
**$ 322.00 per gallon**



Our proprietary blend of beneficial microorganisms and anti-oxidants is designed to improve the rhizosphere in sterile soils. Bac-Pack is used to improve biological diversity in the soil and optimize plant health to help with recovery from wilt, summer stress, and disease symptoms. Regular Bac-Pack drenches improve root growth and help restore turf affected by pathogen damage. Tests on golf course turf have shown that when Bac-Pack is used in a rotation with Armorex T&O to reduce lance nematode populations, users report rapid recovery of damaged turf. RATE: 1 quart/acre at 2-4 week intervals. *4 x 1 gallons*

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**B.O.M.B.**
**$ 190.00 per gallon in 1 gallons**
**$ 165.00 per gallon in 2.5 gallons**



*Breakdown Of Organic Matter with Biology* liquid consists of naturally occurring bacterial strains known to produce enzymes such as lipase, protease, amylase, and cellulase. B.O.M.B. has been specifically formulated to accelerate the decomposition of organic matter in turfgrass. It is used to reduce the time required for organic matter breakdown. RATE: 1 gallon/acre. See label for details. *4 x 1 gallons or 2 x 2.5 gallons/case*

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**NEW! CHASE MOLE REPELLANT**
**$ 42.00 per 6 lb. bag**
**$ 152.00 per 32 lb. bag**

These safe castor oil pellets work fast to get rid of lawn moles, gophers, and armadillos. Chase granules drive away burrowing critters from lawns, gardens, and ornamental plantings. The granules spread easily with any spreader and work well in spring, summer, and fall. Chase granules are 100% safe for pets and wildlife. RATE: 1 lb./1000 sq. ft. See label for details. *6 or 32 lb. bags*

**NEW! ENTOMIX**
**$ 225.00 per bottle**

EntoMix enhances beneficial microbial activity in the soil and on foliage. This activity increases colonization, making the environment less hospitable for pathogenic and/or invasive organisms.. RATE: 1-2 lb./acre *4 x 2 lbs./case*

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**EXCITE**
**$ 120.00 per gallon**



ExCite is made from shilajit (SHEE-la-jit), which is composed of humic substances such as humic and fulvic acids, along with trace oligoelements including selenium. The minerals in ExCite are in ionic form, which enables better absorption into plant tissues. As a consequence, the activity of this substance is much higher than other biostimulant materials. It can be mixed with foliar applied fertilizers and other materials, or it can be applied as a stand-alone input. Excite is suitable for application to all turf, including urban lawns and is intended to improve responses to abiotic stress. RATE: Fairways, rough, parks, general turf at 1 pt./acre, greens & tees at 2 pt./acre *4 x 1 gallons/case*

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**FUNGASTOP**
**$ 126.00 per gallon**



Fungastop is a low-toxicity alternative fungicide concentrate that you can spray on ornamentals and turf at the first sign of a disease outbreak. Fungastop is a minimum risk product, and it is OMRI listed. Containing naturally derived ingredients that inhibit and control damaging fungi on turfgrass ornamentals, Fungastop is a potent the effective alternative to synthetic agr-industrial chemicals. RATE: Use 1-2 qts./acre mixed in 50 gallons of water/acre. *2 x 2.5 gallons/case*

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**FUZION**
**$ 47.00 per gallon**



Combining macro and micro nutrients, beneficial rhizobacteria, fulvic and humic acids, sea kelp extract and plant derived biostimulant compounds, the Fuzion product line is intended to produce beneficial physical, chemical, biochemical, and biological changes in the soil to help plants withstand abiotic and biotic stressors. RATE: 1 gallon/acre. See label for details. *2 x 2.5 gallons/case*

**FUZION SF (SPRING/FALL)**
**$ 290.00 per case**



Fuzion SF is a Spring/Fall formulation of Fuzion which includes a complementary 5-5-6 fertilizer. Products are mixed at a 1:1 ratio. Rate: See label for details *Contains 2.5 gallons Fuzion and 2.5 gallons fertilizer*

**FUZION S (SUMMER)**
**$ 260.00 per case**



Fuzion S is a Summer formulation of Fuzion which includes a complementary 5-0-2 fertilizer. Products are mixed at a 1:1 ratio. Rate: See label for details *Contains 2.5 gallons Fuzion and 2.5 gallons fertilizer*

# SOIL TECH BIOLOGICALS

**GARLIC GARD**
**$ 127.00 per gallon**



Garlic Gard is an all-natural, foliar-applied repellent spray that actively repels flying insects and nuisance animals. It is an effective mosquito repellent, and is safe for people, pets, and wildlife. Spray the diluted garlic juice on landscape plants and lawns, in the early part of the day, to repel insect pests for up to two weeks. It may be used as a stand-alone formula or it may be mixed with conventional pesticides to enhance performance. The garlic spray becomes odorless to humans in a few minutes, but remains effective as a repellent for weeks. RATE: Thoroughly mix 1 part Garlic Gard with 50-100 parts water. See label for spray details. *2 x 2.5 gallons/case*

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**OASYS ULTRA**
**$ 61.00 per gallon**



Oasys Ultra is formulated to increase percolation rates in dry, hard, and compacted soils. This premium quality, non-burning wetting agent is fortified with humic acids and sea plant extracts which act as bio-stimulants for improved plant growth. Our Liquid Aeration Program consists of Thatch Relief and Oasys Ultra concentrates that are combined in water (min. 50 gal/acre) and spray applied. The Liquid Aeration Program delivers cost savings and predictable results in every situation and for every variety of turfgrass. RATE: 1 gallon/acre, 2-3 times annually. For extremely compacted soils or hard clay soils, use Oaysis Ultra at 2 gallons/acre rate. *2 x 2.5 gallons/case*

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**POND KLEEN**
**$ 510.00 per pail**



Pond Kleen is a complete, ready-to-use concentration of special enzymes and bacteria that help improve pond water quality. The result of Pond Kleen applications is better water clarity, reduction of sludge, algae, and odors. Unlike algaecides, which only temporarily reduce algae growth, Pond Kleen improves overall water quality and is safe for fish and wildlife. RATE: 1 lb./100,000 gallons at monthly intervals. *25 lb. pail*

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**SOIL SUCCESS - SOL**
**$ 540.00 per pail**



Soil Success substantially reduces turfgrass re-growth time after re-seeding, renovation, and/or aerification. It contains a mega-dose of endo-mycorrhizae and Trichoderma (beneficial fungi) that colonize turf roots, extending them out into the soil environment. The result of this symbiosis is that the colonized turf roots provide improved nutrient and water uptake, enhanced health benefits and faster recovery from pathogen damage. RATE: 1 lb/5000 sq. ft. after aerification, or at turfgrass installation or re-seeding. *10 lb pail*

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**THATCH RELIEF**
**$ 59.00 per gallon**



Thatch Relief is a natural product for the accelerated decomposition of excessive thatch in turfgrass. It is used to reduce the need for expensive mechanical de-thatching (raking, slicing, aerating). Research has shown that one application of Thatch Relief liquid reduces thatch by 15% in just 45 days. Thatch Relief contains a combination of beneficial bacteria, plant enzymes, and surfactants. Apply in spring and fall. Our Liquid Aeration Program consists of Thatch Relief and Oasys Ultra concentrates that are combined in water (min. 50 gal/acre) and spray applied. RATE: 1 gallon/acre 2-3 times annually *2 x 2.5 gallons/case*

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**TURFTECH BIO**
**$ 215.00 per 1 lb. container**
**$ 415.00 per 2 lb. container**



TurfTech Bio combines the proven performance of Turftech's nitrogen-fixing organisms with beneficial microbes that improve plant health and prevent fungal pathogens. The product comes as an easy-to-use wettable powder that can be tank-mixed for spraying. It is a cost-effective tool for improving golf course soils, sports turf, and home lawns. RATE: 4 oz./acre applied at 4-8 week intervals. *2 x 2.5 gallons/case*

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**TURFTECH BIO-MEGA**
**$ 167.00 per 2 lb. container**



The TurfTech Bio-Mega formula adds a diverse concentration of beneficial microbials that are known to improve turf rooting, nutrient uptake, and plant health. In addition, Bio-Mega contains a variety of plant-derived substances including steroidal saponins. The impact of these phyto-chemicals, when combined with Bio-Mega's microbial communities, is a genuine breakthrough based on solid soil science. Bio-Mega provides turfgrass managers with an economically feasible method of reducing requirements for fertilizer, fungicides, and water. RATE: 2.5-5 oz./1000 sq. ft. *4 x 2 lbs./case*

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**TURFTECH BIO-MIN**
**$ 135.00 per 2 lb. container**



TurfTech Bio-Min is a powerful soil and plant enhancer that combines a patented blend of beneficial microbes with volcanic rock powders. Treated turf shows improved color and resists damage by drought, disease, insects, and fungi. Bio-Min adds vitality to areas prone to wear and tear, and also provides remarkable cost savings compared to standard fertilizers. Bio-Min supplies free nitrogen from biological nitrogen fixation. Regular applications result in high performance turf with reduced need for synthetic fertilizer. RATE: 1 lb./acre at 4-6 week intervals. *4 x 1 lbs or 4 x 2 lbs/case*

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**VIGORSOL SOIL INOCULANT**
**$ 109.00 per 2 lb. container**



VigorSol is a proprietary blend containing beneficial species of Trichoderma, a genus of naturally occurring beneficial fungi, used to inoculate soils. The inoculation and cultivation in the soil-plant environment with these beneficial microbes enhances the soil biology. VigorSol contains Trichoderma harzianum and Trichoderma viride, associated with deep root development, improved nutrient uptake, and increased plant vigor and growth. RATE: 1-2 lbs per acre 10 days before planting. See label for details. *4 x 2 lbs/case*



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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

# SPORTS TURF



# Controls weeds & grasses up to 6 months.




**Save time.**
**Conserve your budget.**
**Get long-lasting control.**

Roundup QuikPro® SC Total Herbicide controls existing weeds & grasses plus prevents new weeds & grasses from growing.

Roundup QuikPRO® SC TOTAL Herbicide

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# DURAEDGE INFIELD MATERIALS

**BLACKSTICK MOUND CLAY**
**$ 33.00 per 50 lb. bag**




BlackStick, our ultimate professional mound clay, goes through extensive preparation prior to the bagging process. We have done the rigorous prep work already so your crews don't need to spend time and effort struggling with pure, unprocessed gumbo clay on-site. The gumbo is pre-screened to a 1/8" minus, then goes through a process where moisture is added and blended thoroughly prior to bagging. It is dark gray in color and our most durable mound clay with extreme packing density. *50 lb. bags*

**DURAPITCH PREMIUM MOUND CLAY**
**$ 26.00 per 50 lb. bag**




DuraPitch® Premium Mound Clay is moisture-balanced so you'll never have to prepare the clay before applying it. Our mound clay is blended by computer-controlled machines, allowing us to create the perfect mound clay time and time again. *50 lb. bags*

**PROFESSIONAL MOUND CLAY**
**$ 29.00 per 50 lb. bag**




Moisture-balanced Gumbo clay that's ready for play right out of the bag. Durapitch Professional is brownish-gray, with a clay content of 50-70%. It's our most durable mound clay. *50 lb. bags*

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**PROLOC MOUND BLOCKS**
**$ 27.00 per bag (includes 8 blocks)**




Producing mound blocks is nothing new to DuraEdge, however this new 10° wedge design is. Our in-house engineer came up with this innovative parallelogram-shaped design to increase durability and hold and minimize seams and gaps. *304 blocks per pallet*

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**DURAEDGE PROSLIDE RED EXPANDED SHALE TOPDRESSING**
**$ 35.00 per bag**




Expanded shale top-dressing recommended for recreational to intermediate level. 4 x 30 gradation, larger particle size. *50 lb. bags*

**DURAEDGE PROSLIDE BROWN EXPANDED SHALE TOPDRESSING**
**$ 35.00 per bag**




Expanded shale top-dressing recommended for recreational to intermediate level. 4 x 30 gradation, larger particle size. *50 lb. bags*

**FAIRBALL CALCINED CLAY TOPDRESSING**
**$ 18.00 per 40 lb. bag**




FairBall Is engineered to stay in place and give you more coverage and provide less particle breakdown, which means less applications, making FairBall the most economical topdressing on the market. The volume of product recommended per infield is greatly reduced from industry standard, giving you the opportunity to apply FairBall on more fields. ***New bag size: 40 lb. bags***

**PLATINUM CALCINED CLAY TOPDRESSING**
**$ 20.00 per 40 lb. bag**




Platinum is engineered to be the most consistent medium gradation particle size topdressing. Reduced fines and smaller particles means more coverage and less clumping when dragging in wet conditions. Higher density and hardness results in less breakdown, less migration of particle and that equates to fewer applications and less contamination.

**PLAYBALL CALCINED CLAY TOPDRESSING**
**$ 20.00 per 40 lb. bag**




PlayBall is engineered to stay in place and provide less particle breakdown. It is designed for superior durability which results in less contamination, meaning it stays on the surface longer. PlayBall is more attainable for end users at all levels who want to implement a professional grade calcined clay material.

**PRODRY CALCINED CLAY TOPDRESSING**
**$ 19.00 per 40 lb. bag**




ProDry is engineered to quickly remove standing water. Our screening process removes very fine particles and dust meaning this material can be dragged in the following day without compromising the integrity of your infield skin. In addition to water removal, ProDry will leave a clean, finely manicured appearance without creating a layering effect.

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**DURAEDGE CLASSIC INFIELD MIX**
**$ 450.00 per 2000 lb. supersack**

Dura-Edge Classic Infield Mix is a blend of 72% sand, 12% silt, and 16% clay. It's lower silt to clay ratio enables a firm playing surface. Our Classic is low maintenance; it does not require access to water to maintain the field. *2000 lb. supersak*

**DURAEDGE PROFESSIONAL INFIELD MIX**
**$ 500.00 per 2000 lb. supersack**

Dura-Edge Professional Infield Mix is a blend of 60% sand, 18% silt, and 22% clay. It has the highest clay content of DuraEdge infield mixes, which helps creates a firm, corky, playing surface. DuraEdge Professional requires access to water to manage the moisture content of the field. *2000 lb supersak*

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# TURFACE & LOUISVILLE SLUGGER INFIELD MATERIALS

**TURFACE PROESSIONAL MOUND CLAY (RED)**
**$ 29.00 per bag**



Turface Mound Clay is finely engineered to the highest specifications. It is a 100%, high-density, pure virgin clay that delivers long-lasting performance. It's shredded material is ideal for shaping mounds. Pliable construction makes it easy to mold into just the right form. It's an excellent additive to soft, sandy areas of the infield to firm them up for safer footing and consistent ball hops. This high-quality packing clay is sold loose in 50 lb. bags. *40 x 50 lb. bags per pallet*

Pitching Mound Table: 11-17 bags
Landing Area: 20-30 bags
Batter Boxes: 38-58 bags
Catchers Box: 13-20 bags

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**TURFACE MOUNDMASTER BLOCKS**
**$ 302.00 per bag (includes 8 blocks)**



A high-quality packing clay formed into easy to use blocks for excellent durability. The blocks are sized perfectly for construction or repair of batter's boxes and pitching mounds from the ground up. Pliable construction makes it easy to mold into just the right form. The blocks are 2 1/2" x 4" x 8" and are sold in pallet quantities. *304 blocks per pallet*

Pitching Mound Table: 46-53 blocks
Landing Area: 91-111 blocks
Batter Boxes: 126-216 blocks
Catchers Box: 36-75 blocks

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**TURFACE MVP**
**$ 22.00 per bag**



A granulated inorganic calcined clay soil conditioner which is nontoxic and odorless. Turface MVP will absorb and hold a large amount of water, yet drain off the surplus. Its larger particle size is excellent for incorporating into infield mix, topdressing to create a consistent and level playing surface, helping prevent rain outs, and improving native soil for turf renovations. An excellent product for use on athletic fields for fighting compaction and absorbing rainout puddles. *40 x 50 lb. bags per pallet*

Baseball Field: 10-15 tons
Softball Field: 9-12 tons
Little League: 3-5 tons

**TURFACE ELITE**
**$ 23.00 per bag** Pro League Natural
**$ 27.00 per bag** Pro League Red, Heritage Red or Champion Brown



With improved manufacturing and dyeing processes, the performance is better than ever. Smaller, more uniform particles assure a smooth, professional, skinned playing surface, minimizing potentially dangerous bad hops. Moisture-absorbing properties improve footing and help to prevent rainouts. Color choices enhance visibility and aesthetics. *40 x 50 lb. bags per pallet*

Baseball Field: 10-15 tons
Softball Field: 9-12 tons
Little League: 3-5 tons

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**TURFACE QUICK DRY**
**$ 22.00 per 50 lb. bag**



The fine particles of Turface Quick Dry make it the perfect choice for quickly clearing up puddles and mud on skinned infields. Just dump and rake to make your infield safe and playable. A quick absorbent for trouble spots on athletic fields, Quick Dry can absorb its weight in water. It won't harden or cake like similar water-absorbing products. Ideal for puddles that have formed during periods of heavy rain. Very fine particle size. RATE: No set rate, just poured on the puddles and worked in. *40 x 50 lb. bags per pallet*

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**LOUISVILLE SLUGGER FIELD MARKING POWDER**
**$ 540.00 per pallet**



Louisville Slugger White field marking powder is perfect for marking all athletic fields. It delivers a bright white appearance, is non-toxic and easy to apply. It complies with the NCAA rules for athletic marking powders and can be used on baseball, softball, football, soccer or any athletic field. RATE: The average ball field takes 3-4 bags to line the baselines and homeplate area, however, lighter rates can be used per the applicators preference. *56 - 50 lb. bags per pallet*

# MARKING PAINT

**LINEMARK IMPACT MARKING PAINT**



Linemark Impact is the most advanced, ready-to-use line marking paint available. The paint is applied directly from its container without water. Under dry conditions and moderate temperatures above 5°C (41°F), the paint will become rainfast in as little as 20 minutes. Applying Impact paint using one of the iGO spray marking machines is quick and trouble free. All these fields can be marked without the inconvenience of frequent mixings, pourings and refills. Shake or stir the paint well, open the container cap, insert the paint flow probe and screw the cap back on – it's that simple.

**IMPACT WHITE PAINT**
**$ 90.00 each** *2.64 gallons (10 liters)*
Economical, bright, white and long-lasting
***COLORS AVAILABLE. CALL FOR DETAILS

**IMPACT XP WHITE PAINT**
**$ 150.00 each** *2.64 gallons (10 liters)*
Very bright, very white and longer-lasting

**WORLD CLASS PAINTS PREMIUM CONCENTRATE**
**$ 192.00 per bucket** *5 gallon buckets*



Our Premium Concentrate is made of 100% acrylic with no calcium carbonate that could be harmful to grass. Our paints include more brightening and enhancing titanium dioxide than any other paint in the industry. No drying agents are allowed. This concentrate can be diluted to match practice or game day needs, giving the user the ability to determine the level of brightness. Available in white, 15 standard colors, custom colors and Ready-to-Use formulations.

**WORLD CLASS PAINTS COACH'S CHOICE**
**$ 135.00 per bucket** *5 gallon buckets*
Lower price, highly pigmented



**WORLD CLASS GPS PAINTER MIX (WHITE)**
**$ 90.00 per bucket** *5 gallon buckets*
Formulated to a viscosity for GPS painter machines

**WORLD CLASS SPORTSFIELD AEROSOL**
**Call for color pricing** *12 - 18 oz. cans per case*
Quality aerosol at a lower price.



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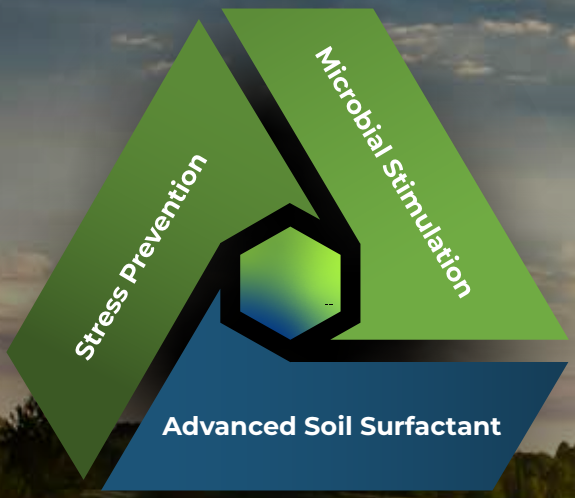
# AQUATIC PRODUCTS

# The only thing predictable about turf stress... is that it's coming.




# Triactiv™

Surfactant Complex

From the makers of TriCure Soil Surfactants

## Arm your turf with the ultimate wetting agent to withstand the summer heat.

Triactiv is powered by TriCure AD soil surfactant to prevent and treat hydrophobic soils, and is also armed with choice amino acids, stress metabolites, plant hormones, and other components to activate stress relief pathways. This strengthens turf and allows it to withstand the heat, drought, and salinity pressures of summer.

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Des Moines 800-798-9352 | Bettendorf 563-823-1842
Cedar Rapids 319-409-1195 | Omaha 402-201-2521
Quincy 217-430-6820

D&K Products
Your Turf Products Supplier

MITCHELL PRODUCTS

# AQUATIC PRODUCTS

**ADMIRAL LIQUID**
**(Acid Blue 9 + Acid Yellow 23)**
**EPA REG #67064-2**
**$ 112.00 per gallon**




Admiral aquatic algae and weed control enhances the appearance of water features with a blue colorant, while also controlling the growth of several types of aquatic weeds and algae. With the highest pure dye actives of all EPA registered lake colorants, it produces a higher quality, longer-lasting color. When applied early in the weed growth season, Admiral can help keep your water features free from unattractive nuisance plants. RATE: 1 gallon/4 acre feet *4 x 1 gallons/case*

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**AQUATHOL K**
**(Dipotassium salt of endothall)**
**EPA REG #61943-1**
**$ 165.00 per gallon**




Aquathol K is a ready-to-use, concentrated quick-acting contact herbicide which dissipates quickly and leaves no residue. It controls submerged weeds in lakes and ponds and the short residual contact time (12-48 hours) makes it effective in both still and slow moving water. It can also be used in muddy water, because it doesn't bind to suspended sediment or organic matter. It will not harm the environment, fish, birds or other aquatic life. Labeled for use on pondweeds, milfoil, coontail and naiad. RATE: 0.6-3.2 gallons/acre foot, depending on the plant species to be controlled and the size of the treatment area. NO IRRIGATION RESTRICTION WITH AQUATHOL *2 x 2.5 gallons/case*

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**CAPTAIN**
**(Copper Ethanolamine Complex)**
**EPA REG #67690-9**
**$ 55.00 per gallon ***CLOSEOUT PRICE**




Captain is an ideal tool for economical and effective control of a broad-spectrum of filamentous and planktonic algae. This premium quality aquatic algaecide offers aformulation of 9% double-chelated copper. Algae control can be achieved 3 to 7 days after proper application. Water treated with Captain may be used for swimming, fishing, watering livestock and for irrigating turf, fairways, putting greens, and ornamental plants immediately after treatment. RATE: 0.6-3.0 gallons/acre foot *4 x 1 gallons/case*

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**CAPTAIN XTR**
**(Copper Ethanolamine Complex)**
**EPA REG #67690-9**
**$ 68.00 per gallon**




Through INFUSION, Captain XTR is the best available technology for the control of all types of algae. It is optimized to increase the penetration of copper (INFUSION) into algae cells and enhance efficacy. This formulation feature is especially impactful when targeting tough to control mat forming, colonial and mucilaginous Algae species. Waters treated with Captain XTR may be used for swimming, fishing, watering livestock and irrigation of food and non-food crops (e.g. turf, ornamentals) during and after application. RATE: 0.6-3.0 gallons/acre foot *2 x 2.5 gallons/case*

**CLEARCAST**
**(imazamox)**
**EPA REG #241-347-67690**
**$ 167.00 per quart**




Clearcast effectively controls floating, emergent and shoreline weed species and is the best product for controlling cattails and phragmites. Clearcast's selectivity makes it ideal for aquatic areas used for fishing and other recreational activities. Minimal irrigation restrictions allow Clearcast to be applied in a large variety of aquatic enviroments, including golf course ponds. MSO as a surfactant is recommended. Refer to the label for details. RATE: 1-2 quarts/acre *6 x 1 quarts/case*

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**COPPER SULFATE (aquatic label)**
**EPA REG #56576-1**
**$ 170.00 per bag**

Copper sulfate medium-sized crystals for the control of filamentous and plankton algae. Most easily applied by dragging it in a loose burlap bag over the surface of the water. Can also be dissolved in water and sprayed from the bank or broadcast as a granular. Will have some control of aquatic weeds from the broadcast application. RATE: 3-6 lbs./acre foot of water *50 lb. bag*

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**CUTRINE PLUS GRANULAR**
**(Copper Ethanolamine Complex)**
**EPA REG #8959-12**
**$ 135.00 per bag**




A granular formulation of Cutrine Plus, especially formulated for the control of chara, nitella, and other bottom-growing algae. RATE: For spot treatment, 1 lb./720 sq. ft., for larger areas use 60 lbs. per surface acre. *30 lb. bags*

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**EUTROSORB F**
**$ 230.00 per 2 filters**




EutroSORB filters focus on stopping phosphorus concentrations from external flowing water. The filters cut off phosphorus at the source and reduce buildup in lakes. This means less algae growth and healthier water bodies. No equipment necessary for use, simply place it in water. EutroSORB has high phosphorus binding capacity – approximately 100 lbs. will remove 1 lb. of phosphorus. Simply replace EutroSORB filters after recommended intervals. Exhausted filters can be reused as soil amendment or disposed to a landfill. *2 - 25 lb sock filters/case*

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**KOMEEN CRYSTAL WEED CONTROL**
**(Copper Complex)**
**EPA REG #67690-60**
**$ 245.00 per bag ***CLOSEOUT PRICE**




Komeen Crystal provides consistent on-contact, broad-spectrum control of nuisance weeds and bottom algae in a wide variety of application situations, including high turnover and small spot treatment areas. Water treated with it can be used immediately for irrigation, drinking, fishing, swimming and recreation. RATE: 40-60 lbs./acre *20 lb. bags*

# AQUATIC PRODUCTS

**NIGHTSHADE LAKE & POND DYE**
**$ 62.00 per gallon**




Nightshade Lake & Pond Dye is a versatile, easy-to-use, non-toxic water impoundment dye colorant. It mixes completely in water to prevent sunlight penetration. It will not harm fish or wildlife associated with water impoundments. Treated water is safe to use as an irrigation source for all purposes. Nightshade Lake & Pond Dye reduces and prevents weed and algae formulation in shallow bodies of water. It dyes the water a black color. RATE: 1 gallon/4 acre feet *4 x 1 gallons/case*

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**PHOSLOCK**
**(Phosphate sequestering agent)**
**$ 175.00 per bag ***CLOSEOUT PRICE**




Phoslock is a phosphorus-locking technology to restore water quality in ponds, lakes and reservoirs. Phoslock has been successfully used in water resource restoration programs around the world. Given its favorable features, such as its very low toxicity, its ability to permanently bind free reactive phosphorus over a wide range of water chemistries, and the fact that it does not form flocs, Phoslock is one of the most effective phosphorus locking technology for in-situ phosphorus management in surface water. RATE: Call for details *55 lb. bag*

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**POND KLEEN**
**(Microbes)**
**$ 475.00 per CASE**



Pond Kleen is a complete, ready-to-use concentration of special enzymes and bacteria that help improve pond water quality. The specific cultures in Pond Kleen have been selected for the rapid breakdown of excess nutrients, algae, and debris in lakes and ponds. The result of Pond Kleen applications is better water clarity, reduction of sludge, algae, and odors. Unlike algaecides, which only temporarily reduce algae growth, Pond Kleen improves overall water quality and is safe for fish and wildlife. RATE: 1 lb./100,000 gallons at monthly intervals. *12 x 2 lbs per bucket*

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**POND PUCKS**
**(Microbes)**
**$ 340.00 per pail**




Pond Pucks are a natural, biological water treatment formulated to clarify water in ponds, lakes, and small water features while reducing muck buildup. A biodiverse group of beneficial bacteria are incorporated into the pucks to remove excess nutrients from the water column such as phosphates, nitrates and ammonia that can create an unbalanced ecosystem. Each Pond Puck works effectively in different water quality conditions, including low-oxygen environments. RATE: 10-26 pucks/acre foot. *66 count pail*

**RENOVATE 3**
**(Triclopyr)**
**EPA REG #62719-37-67690**
**$ 99.00 per quart**




Ideal for control of submersed, emersed, and floating plants in and around ponds, lakes, reservoirs, non-irrigation canals, ditches, marshes, and wetlands. Delivering triclopyr, throughout the plant's leaves and stems, it interferes with the metabolism of most broadleaf plants, while having little to no impact on most grassy species. Foliar/surface applications provide highly effective control of purple loosestrife, water hyacinth, water primrose, and other emersed or floating plants. Sub-surface applications control submerged weeds in large target areas or shallow waters. Renovate 3 carries no restrictions on recreational use, such as swimming or fishing, or livestock consumption. It may be used near active, potable water intakes. RATE: 0.7-2.3 gallons/acre foot *6 x 1 quarts/case*

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**REWARD**
**(formerly DIQUAT)**
**EPA REG #100-1091**
**$ 125.00 per gallon in 2.5 gallons**




Reward Landscape and Aquatic Hebicide is a non-volatile herbicidal chemical for use as a general control to weeds in non-crop and aquatic areas. Absorption and herbicidal action is usually quite rapid with effects visible in a few days. Reward is most widely used in Iowa for its control of duckweed. An excellent control for floating and submerged weeds. It acts and dissipates quickly. RATE: Floating weeds: 1 gallon with 8 oz. of sticker to cover 3 - 4 acres. Submerged weeds: 1- 2 gallons of REWARD/acre. *2 x 2.5 gallons/case.* NON-UPS PRODUCT

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**ROUNDUP CUSTOM**
**(Glyphosate, N-(phosphonomethyl)glycine 53.8%)**
**EPA REG #524-343**
**$ 95.00 per gallon**




Anywhere weeds and water meet, there's a chance that vegetation management problems will grow. And anyone who manages brush in wetland areas knows that when left unchecked, vegetation can create hard-to-resolve problems. Roundup Custom herbicide gives applicators maximum use flexibility for both aquatic and terrestrial jobs. It is non-selective and highly effective on more than 190 species of emerged weeds, brush and vines. RATE: 1-10 oz./gallon of water
*2 x 2.5 gallons/case*

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**SAPPHIRE LAKE & POND DYE**
**$ 62.00 per gallon**
**$ 315.00 per case of WSP packets**




Sapphire Lake & Pond Dye is a blend of blue and yellow dyes which shade specific portions of the sunlight spectrum required by underwater aquatic plant and algae growth. This aquablue pond dye creates shading that inhibits photosynthesis in young, bottom growth, and may prevent the development all together if pond color is maintained throughout the early season. RATE: 1 gallon/4 acre feet
*4 x 1 gallons/case (4 x 6 x 5.25 oz. per case of WSP packets)*



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# AQUATIC PRODUCTS

**SECLEAR**
**(Copper Sulfate Pentahydrate)**
**EPA REG #67690-55**
**$ 28.00 per gallon**




SeClear was designed from the ground up to control nuisance algae and enhance water quality. By treating the algae present and reducing the amount of available phosphorous and suspended solids with each application, SeClear has been documented to provide algae control, longer intervals between applications, smaller follow-up applications and better water quality. RATE: 1.0-6.5 gallons/acre foot. *2 x 2.5 gallons/case*

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**SECLEAR G**
**(Copper Sulfate Penahydrate)**
**EPA REG #67670-92**
**$ 390.00 per bag**




SePRO's new granule formulation provides all of the proven algaecidal and water quality enhancement benefits of the liquid SeClear formulation with several improvements. It is used for algae control, phosphorus reduction and water quality enhancement, while controlling surface and bottom algae (including Chara). It can be used by broadcasting the granule or dissolving in water and spraying on the surface of the water. By reducing the amount of available phosphorous and suspended solids with each application, the SeClear G formulation provides better algae control, reduced algaecide inputs, longer intervals between applications and improved water quality. RATE: 15-25 lbs./acre *20 lb. bag*

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**SONAR A.S**
**(Fluridone)**
**EPA REG #67690-4**
**$ 1,350.00 per quart**




Sonar is a selective, systemic aquatic herbicide for the management of aquatic vegetation in fresh water ponds, lakes, reservoirs, drainage canals, irrigation canals and rivers. Sonar is absorbed from water by plant shoots and from hydrosoil by the roots of aquatic vascular plants. It is important to maintain Sonar in contact with the target plants for as long as possible. Sonar is labeled for use on submersed and emerged aquatic weeds but does not control algae. Refer to the label for a complete list of weeds controlled. RATE: 1.0-1.5 quarts/5 acre feet. (30 day restriction for irrigation) *6 x 1 quarts/case*

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**SONARONE**
**(Fluridone)**
**EPA REG #67690-45**
**$ 885.00 per 20 lb. pail**
**$ 58.00 per 5 lb. container**




SonarOne is a unique controlled-release formulation that results in a quick intial target dose of Sonar followed by a sustained release. SonarOne has a 30 day irrigation restriction. It is excellent for water bodies with both low and high turnover. Recommended for use on bladderwort, coontail, duckweed, elodea, Eurasian watermilfoil, hydrilla, naiads, pondweed and spatterdock. RATE: 2.5-5 lbs./acre foot *20 lb. pail or 5 lb container*

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**SUREGUARD EZ**
**(Flumioxazin)**
**EPA REG #59639-260**
**$ 280.00 per 64 oz.**
**$ 90.00 per pint**

The new EZ formulation of SureGuard SC delivers fast and selective control of tough invasive and nuisance plants such as cabomba, watermeal, Eurasian watermilfoil, water lettuce, duckweed, giant salvinia and more. Plus, SureGuard dissipates quickly from the water column and does not accumulate in sediment. SureGuard EZ enhances the speed and spectrum of glyphosate when used as a tank-mix partner, even on glyphosate-resistant weeds. It's a easy-to-mix, non-staining, spray formulation with no odor, or concerns with off-target movement and volatility. It's approved for aquatic and bareground. RATE: See label for details based on application type. *4 x 64 oz. or 8 x 16 oz pints/case*

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**TRIBUNE**
**(Diquat)**
**EPA REG #100-1390**
**$ 92.00 per gallon**




Tribune is a fast-acting herbicide that desiccates plant tissue on contact. Within minutes of application Tribune stops plant photosynthesis depending on conditions. It is an effective product on a wide variety of submersed, emergent and floating aquatic plants. RATE: See label for details *2 x 2.5 gallons/case*

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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

# BIOSTIMULANTS & MICRONUTRIENTS





# Stay on top of root health

**Introducing:**

**RESILIA™**

## A first-of-its-kind solution to protect your roots.

At Envu, we know the key to healthy turf starts with the roots. That's where some of your most challenging threats take hold – from soilborne pathogens to nematodes. That's why we developed Resilia™ root health solution. It offers broad-spectrum control and is the first-ever all-in-one product that:

- Allows roots to reach full biomass and depth potential
- Protects your roots from destructive soilborne pathogens for up to 21 days and most up to 28 days
- Works well in combination and rotation with Stressgard® brand fungicides
- Keeps your turf healthy and playable all season long

**Learn more about the innovative solutions we're committed to providing you at us.envu.com/root-health.**

**ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS.** Environmental Science U.S. LLC, 5000 CentreGreen Way, Suite 400, Cary, NC 27513. For additional product information, call toll-free 1-800-331-2867. www.envu.com. Not all products are registered in all states. Envu, the Envu logo, Resilia™ and Stressgard® are trademarks owned by Environmental Science U.S. LLC or one of its affiliates. ©2023 Environmental Science U.S. LLC.

# BIOSTIMULANTS & MICRONUTRIENTS

**AUTOSTART 2-0-2**
**$ 48.00 per gallon**




Ignition AutoStart is a supplemental liquid fertilizer containing extremophilic plant extracts, amino acids, complex carbohydrates and SAR elicitor compounds. It is designed to enhance nutrient uptake and may enhance a plant's ability to combat stress. AutoStart is a great foundation to any greens or tees program and an excellant product for sports turf fields when seed establishment is challenged by field use. RATE: 2-4 oz./1000 sq. ft. in turf/tees/greens and fairways, 6-8 oz/1000 sq. ft. for foliar stress recovery, 2.5 gallons per acre for fertigation. See label for details. *2 x 2.5 gallons/case*

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**CAL-10**
**(Calcium nitrate)**
**$ 47.00 per gallon**




Ignition Cal-10 is a liquid formulation of calcium nitrate designed to prevent and/or correct calcium deficiencies in all crops, ornamentals and turf. Cal-10 contains 1.09 pounds of calcium and .87 pounds of nitrate nitrogen per gallon. Cal -10 provides the nutrients necessary for increasing plant vigor, cell wall formation, and stimulating root and leaf formation. RATE: 5-24 oz./1000 sq. ft. *2 x 2.5 gallons/case*

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**FERROMEC AC**
**(Iron amine compatible)**
**$ 1,400.00 per 55 gallon drum**



FeRROMEC AC Liquid Iron is a sprayable formulation containing iron, combined with nitrogen and sulfur, designed to produce a rapid turf green-up. The urea in FeRROMEC AC carries the iron sulfate into the plant quickly and efficiently. The urea and iron sulfate quickly break down after being absorbed by the plant to produce rapid green-up. It's a liquid 15-0-0 with 3% sulfur and 6% iron. Very compatible with most pesticides. RATE: 2-8 oz./1000 sq. ft. *55 gallon drums*

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**GRANUSOL MANGANESE**
**(Manganese)**
**$ 75.00 per bag**

Granusol Manganese Sucrate 35% Mn is a source of all divalent Mn readily available for plant uptake and manufactured in all three mesh sizes for use in dry-mixed, bulk-blended fertilizers. It's dispersible granules, complete with essential sugars that provide consistent slow-releasing nutrient uptake, keeping plants healthy and strong throughout the growing season. Manganese is an essential micronutrient that is important in the synthesis of chlorophyll and activates enzymes involved with N uptake. RATE: 2-4 lbs./1000 sq. ft. Refer to the label for complete details. *50 lb. bags*

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**IRON PLUS 15-0-0 (6% FE)**
**$ 23.50 per gallon in 2.5 gallons**
**$ 1,025.00 per 55 gallon drum**
**$ 5,600.00 per 250 gallon tote**




Iron Plus 15-0-0 with 6% Fe is a supplemental nitrogen and iron fertilizer designed to achieve rapid green-up of turf. Although it is formulated to be stable in most tank mixes with commonly used fertilizers and pesticides, always conduct a jar test to confirm compatibility. It uses 15% Urea to open up the plant for quicker uptake and response. RATE: 2-8 oz./1000 sq. ft. Use a max of 3 oz./1000 sq. ft. when air temperatures exceed 90. *2 x 2.5 gallons/case, 55 gallon drums or 250 gallon tote*

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**IRON PLUS EXTREME MICROS**
**$ 38.50 per gallon in 2.5 gallons**
**$ 950.00 per 30 gallon drum**
**$ 7,500.00 per 250 gallon tote**




Ignition IRON PLUS EXTREME is just Iron Plus with a micro Pak added for nutrient-deficient turf and soil situations. Use Iron Plus Extreme any time you are looking for a quick color response in any turf situation. RATE: 2-8 oz./1000 sq. ft. Use a max of 3 oz./1000 sq. ft. when air temperatures exceed 90 degrees *2 x 2.5 gallons/case, 30 gallon drums or 250 gallon tote*

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**MAIN EVENT DRY IRON**
**(Chelated Iron)**
**$ 240.00 per 30 lb. case**



Main Event is a 6-0-0, non-staining, chelated iron for use on greens, tees, fairways and ornamentals. It contains 10% Fe, 8% Sulfur, 2% Mn 1% Mg, and .5% Zn. Main Event is derived from both EDTA and EDDFA iron chelates. Color response should last 14-21 days at which time another application should be made. RATE: 3-9 lbs./acre for turf or 3-9 lbs./100 gallons of solution for ornamentals *10 x 3 lb. bags/case*

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**MAIN EVENT DRY MN**
**(Chelated Micronutrients)**
**$ 240.00 per 30 lb case**



Main Event is a 6-0-0, non-staining, chelated micronutrients for use on greens, tees, fairways and ornamentals. It contains 10% Mn, 8% Sulfur, 2% Fe 1% Mg, and .5% Zn. Main Event is derived from both EDTA and EDDFA iron chelates. Color response should last 14-21 days at which time another application should be made. RATE: 3-9 lbs./acre for turf or 3-9 lbs./100 gallons of solution for ornamentals. *10 x 3 lb. bags/case*

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**OCEANGLAS**
**(Seaweed liquid extract)**
**$ 50.00 per gallon in 2.5 gallons**
**$ 5,800.00 per 275 gallon tote**




OceanGlas liquid is a sustainable and environmentally Friendly product which is derived from 100% hand harvested Ascophyllum Nodosum. The brown macro algae Ascophyllum nodosum blooms in the unpolluted waters of Donegal's coast, only minutes away from our state-of-the-art production facility. Fresh Ascophyllum Nodosum contains carbohydrates, essential amino acids, vitamins, and micro/macro nutrients to support plant health. The unique, innovative cold process extraction method was meticulously designed in order to obtain the freshest and purest extract possible. OceanGlas is primarily used on golf courses, racecourses, and all sports pitches. RATE: 16-32 oz./acre every 28 days *2 x 2.5 gallons/case, 275 gallon tote*

# BIOSTIMULANTS & MICRONUTRIENTS

**PROACTIN EX**
**(Amino Acids)**
**$ 137.00 per gallon**




ProactinEX provides a cost-effective method for treating turf with a highly-concentrated blend of nitrogen in the form of select L-form amino acids, B-complex vitamins, antioxidants, etc. in a patented biostimulant formulation (Express Technology) that provides for ready uptake. At a 40% active ingredient concentration and a low application cost, turf managers can now afford to treat all of their turf, while customizing their nutritional programs with a highly effective product.
RATE: 16-32 oz./acre every 28 days *2 x 2.5 gallons/case*

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**SPARK ROOT BIOSTIMULANT 14-4-2**
**$ 43.00 per gallon in 2.5 gallons**
**$ 1,300.00 per 30 gallon drum**




Spark Root Biostimulant fertilizer uses Humic and Fulvic acids,derived from young active Leonardite, black strap molasses and concentrated Ascophyllum nodosum from sea kelp, in combination with a nutrient fertility base, to promote and develop root growth, increase tiller rhizome and stolon production and promote turf stress health throughout the growing season. It is designed for use on residential and commercial turf, athletic fields, golf courses and ornamental applications. RATE: 48 - 96 oz. per acre or 1.1 - 2.2 oz per 1,000 sq. ft. Apply to actively growing turf in a minimum of 1.5 gallon per 1,000 sq. ft. of spray solution. *2 x 2.5 gallons/case or 30 gallon drums*

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**UPLIFT MICRONUTRIENTS**
**$ 48.50 per gallon**




Uplift is a specialty micronutrient formulation designed to enhance crop yields and increase resistance to environmental stress factors. Foliar applications can assist in rapidly correcting nutrient deficiencies and increasing crop yields. It's comprehensive micronutrient package complexed with an organic acid allows for enhanced absorption and utilization. It is combined with an autolyzed yeast extract full of amino acids, which elicits a systemic acquired resistance within the plant increasing stress resistance and production. Uplift contains Mg, Mn, Fe, Zn, Mo, and B with fulvic acid and humic acid added to enhance nutrient uptake.
RATE: 3-6 oz./1000 sq. ft. as needed for maintenance. For deficiencies, apply 8-12 oz./1000 sq. ft. *2 x 2.5 gallons/case*

**WORM POWER TURF**
**(vermicompost extract)**
**$ 37.00 per gallon**



Worm Power Turf is a vermicompost extract produced in an environment tightly controlled from end to end. It strengthens the physical, and biological aspects of the soil around a plant's roots zone. OMRI listed and CDFA certified, Worm Power Turf improves soil health, and the health, vigor and strength of your plants. It works by providing enhanced availability of plant nutrients, increases water-holding capacity of the soil, reducing irrigation frequency and increasing stress tolerance during harsh conditions. It makes nutrient delivery more efficient over an extended period and delivers robust and diverse microbial populations. RATE: Worm Power Turf can be applied to all ornamental plants, trees, turf, lawns, landscape shrubs, and flowers.

**Turf Application Rate**: Greens, tees, fairways, lawns and sports turf, apply Worm Power Turf as a soil spray at 8 oz./1000 sq. ft. in 2 gallons of water (25 L/ha in 800 L) at 15 day intervals or 16 oz./1000 sq. ft. in 2 gallons of water (50 L/ha in 800 L) at 30 day intervals. For best results, Worm Power Turf requires season long application programs.

**Thatch Reduction Rate:** To aid in thatch reduction, apply Worm Power Turf as a soil spray at 16 oz./1000 sq. ft. in 2 gallons of water at 30 day intervals. For best results, Worm Power Turf requires season long application programs.

**Ornamental Application**: Apply Worm Power Turf as a foliar spray at 1 oz./gallon weekly throughout the growing season.
*2 x 2.5 gallons/case, 55 gallon drums, 275 gallon tote*



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# MISC PRODUCTS



GET THE

# TRIADVANTAGE




## HOT OR NOT, IT'S ALL COOL WITH TRIAD T SELECT.™

This convenient premix of Triad Select™ + triclopyr amine delivers safe, effective all-season weed control in cool season grasses. There's a turf-proven Triad herbicide right for the specific conditions and control you need.

ALBAUGH® SPECIALTY PRODUCTS

GET THE WHOLE STORY AT
**TRIADHERBICIDES.COM**

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# EQUIPMENT

**ACCUPRO 2000 ROTARY SPREADER**
**$ 700.00 each ***DISCONTINUED, LOW STOCK**



Accupro 2000 push spreader features large pneumatic tires, heavy plastic hopper, and heavy duty welded frame. 14 ft. pattern allows you great control. Price includes a spreader cover.

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**ACCUPRO LCO 1000 ROTARY SPREADER**
**$ 700.00 each ***DISCONTINUED, LOW STOCK**



Designed and priced specifically for the LCO market, the LCO-1000 truly represents the new industry standard in lawn care spreaders. Durable, stainless steel frame, includes hopper cover. The 21-inch wheel base is wider than most, providing added stability.

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**ACCUPRO SR 2000 ROTARY SPREADER**
**$ 915.00 each**



The stainless steel version of the Accupro features large pneumatic tires, heavy plastic hopper, heavy duty stainless steel frame. 14 ft. pattern allows you great control. Comes with a side deflector and spreader cover.

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**FIELD KING PROMAX PUMP ZERO, BATTERY POWERED SPRAYER - 2 GALLON**
**$ 86.00 each**



The Field King Promax Pump Zero Sprayer sprays up to 12 full t per charge. It's battery-powered compressor keeps pressure constant between 14-21 psi for consistent application. Professional-grade shut-off with comfortable grip; lock-on feature; and easy-to-clean, in-line filter. Pressure release valve allows you to safely remove internal pressure prior to opening the sprayer. Integrated base reduces tipping and includes built-in wand storage to protect the nozzle. Includes four nozzles and a battery charger. It works with liquids and wettable powders.

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**GANDY 36" DROP SPREADER**
**$ 820.00 each**



36" drop spreader with push-handle and 13" pneumatic wheels. Features a positive shut-off lever, adjustable variable-rate stainless steel bottom/slide, steel tri-bar rotor for internal agitation, spread plate, 13-inch pneumatic wheels and porous oil-impregnated bearings. Used to apply a variety of seeds, granular chemicals, fungicides, fumigants and fertilizers

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**PRIZELAWN 70 LB. STAINLESS STEEL BROADCAST SPREADER**
**$ 550.00 each**



The fourth generation version of the commercial broadcast spreader offers a new ergonomic stainless steel frame with reduced assembly. Upgrades include Bigfoot tires and larger diameter axle, handle grab bar. It's single port design is familiar and dependable and it's "bag and a half" capacity is perfect for most jobs.

**SMITH CONTRACTOR SPRAYER**
**$ 55.00 per 2-gallon sprayer**
**$ 46.00 per 1-gallon sprayer**



Smith Contractor Sprayers are designed for heavy duty commercial cleaning, sanitizing, and applying chemicals. Premium, commercial grade non-corrosive shut-off with comfortable grip, lock-on feature, and easy-to-clean in-line filter. Integrated stability base keeps the sprayer upright also providing convenient wand storage that protects the nozzle. Convenient pressure release valve helps prevent chemicals from getting on you before opening the tank. Includes 5 nozzles for ultimate application versatility.

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**SPYKER PRO-SERIES COMMERCIAL TOW SPREADER**
**$ 500.00**



Spyker's commercial tow spreader combines high capacity hopper with high efficiency. Designed specifically for use on large lawn, commercial properties, golf courses and sports fields, the 175 lb. provides ample capacity for taking on the big jobs. The extended on-off lever allows the operator to control the flow of the material, while remaining seated when using a lawn/garden tractor. The large-hopper tow spreader is productive, versatile, and easy to use. With all the features of the Pro-Series, Spyker tow-behind broadcast spreaders deliver incredible performance at a very reasonable price.

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**WESSOL CYCLONE 3 BACKPACK SPRAYER**
**$ 315.00 each**



With a 25-ft spray distance, this battery-operated sprayer introduces design updates that significantly improve your spraying experience. By taking our customers feedback, we've implemented various tank advancements and brand new nozzle lineups. It has a detachable hose, sealed inner electronics, improved serviceability and updated QC nozzles. The Cyclone 3 is a premier choice in pest control and lawncare industries.

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**WESSOL STORM 2.5 BACKPACK SPRAYER**
**$ 275.00 each**



Featuring the new click-in-place knob, the Storm 2.5 includes all the best updates to the Pro-Series line. Notable for its compact 2.5-gallon size, this sprayer allows you to easily maneuver in smaller spaces while retaining spraying power. The Storm is a pressure washer-style spray gun with quick-connect attachments. It has a 25-foot spray distance with up to 2.5 hour spray time. Comes with a rechargeable 18V/2.6Ah Li-Ion battery and the ComfortStraps backpack system.

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**WESSOL ZEPHYR 2.5 BACKPACK SPRAYER**
**$ 270.00 with battery**
**$ 245.00 battery not included**



Spray smarter, not harder with the power and efficiencies of a battery backpack sprayer! The Zephyr delivers a 0.2 gpm / 40 psi output so applicators can precisely deliver product at the squeeze of the trigger. Value-engineered components like an inline spray gun, carbon fiber wand, and lightweight backpack straps make the sprayer a perfect fit for the whole crew!

# MULCH & LANDSCAPE PRODUCTS

**PENNMULCH SEED ACCELERATOR & STARTER FERTILIZER**
**$ 50.00 per 40 lb bag**




PennMulch is a pelleted seeding mulch uniquely formulated to include starter fertilizer (equivalent of 10-20-5) to support quick grass seed germination to establish new or repaired turf. PennMulch stores moisture which is critical to successful germination and with the HydrobondTM tackifier it holds seed in place for consistent establishment. Unlike straw, PennMulch contains no weed seeds and breaks down overtime requiring no raking.

APPLICATION RATE:
*Note: Dry PennMulch (at a rate of 50lb/1000 Sq. Ft.) covers approximately 25% of the exposed soil.*

| Slope Condition | Rate |
|---|---|
| Flat to 5H:1V | 50 lb/1000 Sq. Ft. (22.7kg / 93m2) |
| 5H:1V to 4H:1V | 75 lb/1000 Sq. Ft. (34kg / 93m2) |

HYDROSEEDING APPLICATION RATE
*Add 40 pounds per 100 gallons of water along with seed when hydroseeding; confirm loading rates with equipment manufacturer.*

| Slope Condition | Rate |
|---|---|
| Flat to 5H:1V | 40 lb/1000 Sq. Ft. (18.1kg / 93m2) |
| 5H:1V to 4H:1V | 60 lb/1000 Sq. Ft. (27.1kg / 93m2) |

**ROOTS PLANT SAVER**
**$ 135.00 per pail**




ROOTS Plant Saver is a combination product used for potted plants and planters. Plant Saver is designed to improve soil fertility and address the long-term mineral requirements common to many plants. It increases absorption of water and soluble nutrients. It provides beneficial bacteria and mycorrhizal fungi that promote sustainable soil fertility. It provides basic fertilizers and micro-nutrients necessary for active plant development. RATE: Thoroughly mix product into backfill at a rate of about 8 ounces of Roots Plant Saver per caliper inch or for each foot diameter of root ball. See label for details. *42 lb. pail*

**ROOTS TREE SAVER**
**$ 457.00 per pail**




ROOTS Tree Saver is specifically designed to reduce transplant stress while improving soil hydration and fertility. It's applied to the root zone of trees and shrubs at planting. Five species of mycorrhizal fungi and six species of beneficial bacteria arepacked into this formula to improve plant nutrition and provide sustainable soil fertility. It helps reduce transplant shock and loss rates. It helps plants mitigate adverse environmental stresses such as drought, salinity and extremes of soil pH. Mycorrhizal fungi can improve absorption of water and minerals from the soil. RATE: Mix with backfill at planting. Follow application rates based on the diameter of the planting hole, or on stem caliper according to the label chart *150 x 3 oz pail*

# TURF COVERS & STAPLES

**EVERGREEN TURF COVERS**
A turf cover that provides outstanding protection of greens, tees, fairway and general turf areas. Evergreen Turf Covers are manufactured in North America and proven effective since 1985. They are ideal for winter protection or new construction by allowing air and moisture to move through while holding the temperature in. Available in 3 different construction warranty grades: 12 year (radiant), 10 year (Evergreen) and 7 year (EVS) materials.



Stock sizes are available in the dimensions below:

| | | | |
|---|---|---|---|
| **EVERGREEN** | 60 x 90 | 7 year, 10 year | CALL FOR DETAILS |
| **EVERGREEN** | 70 x 90 | 7 year, 10 year | CALL FOR DETAILS |
| **EVERGREEN** | 80 x 110 | 7 year, 10 year, 12 year | CALL FOR DETAILS |

Custom sizes are available with one dimension of the cover size being divisible by 10 ft.

| | | | |
|---|---|---|---|
| **EVERGREEN** | Custom Sizes | 10 Year | CALL FOR DETAILS |
| **EVS** | Custom Sizes | 7 Year | CALL FOR DETAILS |

**TURF STAPLES - 4 INCH**
**$ 65.00 per box**
Standard 4" sod staples, 500 per box, 8 gauge, can be used for sod or turf covers

**EVERGREEN TURF STAPLES, PINK-COLORED**
**$ 420.00 per box**
Standard turf staples colored in fluorescent pink for easy visibility and removal. 1000 per box, great for use on greens covers.



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# STICKERS, DEFOAMERS & CLEANERS

**BOND MAX STICKER**
**Spreader Sticker + Deposition Aid**
**$ 69.00 per gallon ***CLOSEOUT PRICE**




Bond Max combines the adherence ability of a latex polymer with super coverage of non-ionic surfactants. Bond Max promotes rapid spreading for a uniform protective film across the plant surface, thereby enhancing the effectiveness of pesticide sprays. Enhances droplet deposition and rainfastness in minutes, thereby reducing the risk of pesticide runoff from the plant surface. Increases the effectiveness of fungicidal, insecticidal and herbicide sprays. RATE: 20-32 oz./100 gallons *4 x 1 gallons per case*

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**BORDER 2.0**
**Drift Retardant**
**$ 72.00 per gallon**




Border 2.0 is a concentrated liquid adjuvant for spray droplet management. It enhances the performance of spray applications by modifying the physical characteristics of the spray droplet, improving droplet retention while reducing off-target movement. Border 2.0 is a part of the Total Spray Droplet Management portfolio of products that improve safety and efficacy of spray applications. RATE: 2-4 pints/100 gallons *2 x 2.5 gallons/case*

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**DELUX**
**(Nonionic surfactant + Ammonium sulfate)**
**$ 34.00 per gallon ***CLOSEOUT PRICE**




Delux is a biodegradable activator surfactant and ammonium sulfate premix enhances performance of glyphosate and certain post-emergence herbicides. It enhances phenoxy control of tough broadleaves like dandelions and thistles. It provides quick and superior leaf surface coverage for maximum herbicide absorption. Delux buffers spray solution and prevents premature pesticide breakdown from alkaline hydrolysis. RATE: 4-5 quarts/100 gallons of spray solution *2 x 2.5 gallons/case*

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**ERASE TANK CLEANER**
**$ 29.00 per quart**
**$ 59.00 per gallon**




Erase is a powerful spray system cleaner that exceeds the capabilities of ordinary tank cleaners. Erase emulsifies oily residues in sprayer lines and hoses while elevating rinsate pH to degrade vulnerable crop protection products. When used in conjunction with proper sprayer cleaning technique, Erase ensures more thorough clean-outs and reduced risk of cross contamination that leads to crop injury complaints, yield loss and a damaged reputation as a professional applicator. RATE: 1 quart/50 gallons of tank cleaner *12 x 1 quarts or 4 x 1 gallons/case*

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**IGNITION COVER-UP**
**90-10 Nonionic + Odor Reducer**
**$ 43.00 per gallon in 2.5 gallons**

Ignition Cover-up Surfactant with odor reduction technology enhances the performance of a wide range of pesticides by thoroughly wetting the pest and spreading the active ingredient on the target surface. The odor reduction technology system significantly reduces and eliminates offensive pesticide odors of herbicides and various insecticides. RATE: 1-2 pints/100 gallons *2 x 2.5 gallons/case*

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**IGNITION POWERSTIK**
**90-10 Nonionic Surfactant**
**$ 37.75 per gallon in 1 gallon**
**$ 33.00 per gallon in 2.5 gallons**
**$ 800.00 per 30 gallon drum**
**$ 6,750.00 per 250 gallon tote**




Ignition Powerstik is an economical, 90% active, low-foaming, non-ionic activator adjuvant that enhances the performance of a wide range of pesticides by thoroughly wetting pesticide and spreading the active ingredient on the target surface. Powerstik slows the drying time to improve penetration through a waxy or weather-harded cuticle. A defoaming agent in the formulation eases mixing procedures and speeds load time. RATE: 1-4 pints/100 gallons of spray solution *4 x 1 gallons, 2 x 2.5 gallons/case, 30 gallon drums, or 250 gallon tote*

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**IGNITION TAKEDOWN DEFOAMER**
**Spray Tank Defoamer**
**$ 27.00 per quart**




Takedown anti-foaming agent eliminates unwanted foam in spray applications involving recirculating sprayers and other high-agitation equipment to help ensure even distribution of pest control product applications. Chemicals in the tank will remain active and unaffected by Takedown antifoaming agent, and the high-quality formulation will not clog spray equipment nozzles. RATE: 1-4 oz./100 gallons *12 x 1 quarts/case*

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**INDICATE 5**
**Non-ionic surfactant, pH acidifier**
**$ 95.00 per gallon**




Indicate 5 is multi-functional adjuvant and water conditioner that counters the detrimental effects of high pH and hard water on sensitive pesticides. Indicate 5 adjusts water pH and contains a patented, built-in pH indicator that turns the spray water pink as soon as the optimum level of 4.5-5.5 pH is reached. It works by acidifying alkaline water and neutralizing salts present in hard water which can impact spray efficacy. RATE: RTU, pour in tank mix until tank color turns pink which then indicates a tank balanced at 4.5 pH *4 x 1 gallons per case*

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**INFLUENCE**
**Penetrant, Acidifier, Deposition Aid, Drift Control**
**$ 43.00 per gallon in 1 gallons**
**$ 38.00 per gallon in 2.5 gallons**




Influence non-ionic penetrating surfactant that reduces off-target spray drift and reduces spray water pH. Influence is a 4-product combo low-foaming surfactant that will not cause foam problems in the spray tank. Influence provides more uniform coverage of spray solutions and aids in penetration. Good choice for herbicides, fungicides, insecticides or aquatic products. A must use with Clipper or Diquat in ponds and lakes. RATE: 1-4 pints/100 gallons *4 x 1 gallons or 2 x 2.5 gallons/case*

# STICKERS, DEFOAMERS & CLEANERS

**LI 700**
**Penetrant, acidifier, deposition aid and drift control**
**$ 52.00 per gallon**




LI 700 is a soy-oil derived, non-ionic penetrating surfactant that reduces off-target spray dirft and reduces spray water pH. LI 700 is a 4-product combo low-foaming surfactant that will not cause foam problems in the spray tank. LI 700 provides more uniform coverage of spray solutions and aids in penetration. Good choice for herbicides, fungicides, insecticides or aquatic products. RATE: 1-4 pints/100 gallons *2 x 2.5 gallons per case*

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**LIBERATE**
**Penetrant, deposition aid and drift control**
**$ 51.00 per gallon**




Liberate is an uptake enhancing surfactant blend. It is designed for use with pesticides that recommend a non-ionic surfactant, and works especially well with systemic chemistry, reducing driftable fines. Liberate provides more uniform coverage of spray solutions and aids in penetration. It improves deposition and retards drift by producing a more uniform spray pattern. RATE: 0.5-4.0 pints/100 gallons *2 x 2.5 gallons/case*

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**MICROYL**
**Metholated seed oil**
**$ 71.00 per gallon**




Microyl is an activator adjuvant that provides superior performance and improved turfgrass safety at lower use rates than ordinary crop oil concentrates. Microyl mixes easily and disperses in cold water. It creates a stable micro-emulsion and won't leave oily residues in the tank. A must use with Drive XLR8. RATE: 3-4 pints/100 gallons of spray solution *6 x 1 gallons/case*

**NEW BALANCE**
**Non-ionic surfactant, pH acidifier**
**$ 62.00 per gallon**




New Balance is a citric-based, pH acidifier, buffer and non-ionic surfactant that modifies spray solution pH when breakdown from alkaline hydrolysis can reduce insecticide and fungicide performance. It increases the spreading and coverage of a spray solution on leaf surfaces. New Balance lowers the pH of the spray water to prevent alkaline hydrolysis. It is formulated with antifoam to prevent foaming. RATE: 8-16 oz./100 gallons *6 x 1 gallons/case*

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**PENTRA-BARK**
**$ 53.00 per quart**




Pentra-Bark penetrating surfactant will take water-soluble insecticide, fungicide, plant growth regulators or fertilizer into the vascular system of the tree for translocation into foliage or roots. It eliminates the need to spray foliage, soil drench, bark inject or pressure inject into soil. Time to treat a tree is considerably shorter and safety concerns are lessened with application only to tree trunk. RATE: 4-64 oz./100 gallons of spray solution. *12 x 1 quarts per case*

# PIGMENTS & COLORANTS

**FOURSOME PIGMENT**
**$ 200.00 per gallon**




Foursome is a unique formulation pigment additive designed to enhance and extend the aesthetic appearance of the turf site following a pesticide application and for use as a spray pattern indicator. It helps promote a uniform application of the pesticide, producing a more consistent turf response to the activity of the applied plant protectant. RATE For optimal performance, use from 15-20 oz./acre of turf with 16 oz. suggested as the initial rate. *4 x 1 gallons/case*

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**GREEN LAWNGER**
**$ 125.00 per gallon**




Green Lawnger turf colorant restores natural-looking green color to dormant and discolored turf, and also provides divot mix sand with green color to blend with turf. Green Lawnger's exclusive ColorLock technology keeps color on the leaf blade longer, and prevents color from fading to an undesirable blue shade. It's ideal for all turf varieties in all growing regions, and lasts up to 120 days. DORMANT FALL RATE: Dilute one gallon Green Lawnger with 7-9 gallons water. For a darker color, reduce volume of water. NON-DORMANT SUMMER RATE: Dilute one gallon with 15-20 gallons water. *2 x 2.5 gallons/case*

**OPTIMIZER GREEN SHADE**
**$ 120.00 per gallon**




Optimizer Green Shade is a green pigment spray additive that improves turf appearance while serving as a spray pattern indicator. It may be tank-mixed with fungicides, herbicides, insecticides and wetting agents. It can be used on golf courses, sports fields, or other managed turf areas. It blends uneven coloration due to stress, cultivar variance and phytoxicity.It resists the fading effects of UV sunlight. RATE: 15-20 oz./acre of turf applied in a minimum of 50 gallons of water per acre *4 x 1 gallons/case*

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**SOLAROUS CHROMATIC PLANT ENHANCER**
**$ 167.00 per gallon**




Solarous fuses a blend of chromatic reflective ingredients and innovative surfactant systems to increase coverage and adhesion on the plant. As a chromatic plant enhancer, it combines these unique ingredients to give your surfaces a distinct appearance and protect turf health by reflecting UV radiation. The unique green color ties in well with natural turf appearance. For best results you must shake the product before applying. RATE: 0.75 ounces/1000 sq. ft. in a minimum of 50 gallons of water per acre *4 x 1 gallons/case*



PRICES ARE 2026 ESTIMATED PRICES FOR BUDGETING PURPOSES. PLEASE CALL YOUR D & K REPRESENTATIVE FOR A FIRM QUOTE.
ALWAYS READ AND FOLLOW LABEL DIRECTIONS

# UNDERHILL IRRIGATION

The Underhill product catalog is very extensive; please contact us to help you with your product needs.

**PROLINE FEATHERWEIGHT HOSE**
**3/4" DIAMETER, 200 PSI WP, 800 PSI BURST**
**$ 230.00 per 100 ft hose**



The ProLine Featherweight hose is extremely lightweight: a 100 foot hose weighs only 9 lbs. It has a tough outer polyester fabric stands up to wear and tear. The outer springs prevent bending and kicking at connections.

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**ULTRAMAX FEATHERWEIGHT HOSE**
**1" DIAMETER, 300 PSI WP, 1200 PSI BURST**
**$ 290.00 per 50 ft hose**
**$ 450.00 per 100 ft hose**
**$ 540.00 per 125 ft hose**



The UltraMax Featherweight hose is extremely lightweight: a 100 foot hose weighs only 15 lbs. The ultra-smooth outer polyester fabric slides over turf without scuffing. The UltraMax is kink-resistent.

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**ULTRAMAX BLUE HOSE**
**1" DIAMETER, 300 PSI WP, 1200 PSI BURST**
**$ 245.00 per 50 ft hose**
**$ 430.00 per 100 ft hose**



The UltraMax Blue hose is up to 45% lighter than comparable commercial hoses. The UltraMax is soft and flexible and won't scuff greens. It's available in 3/4" and 1" diameter.

**ULTRAMAX CLEAR HOSE**
**1" DIAMETER, 150 PSI WP, 600 PSI BURST**
**$ 215.00 per 50 ft hose**
**$ 355.00 per 100 ft hose**



The UltraMax Clear hose is lightweight and economical, with a thick, durable outer wall. It's ideal for light to medium commercial duty. It's available in 3/4" and 1" diameter.

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**MAGNUM ULTRAMAX PREMIUM PRO FULL THROTTLE NOZZLE**
**$ 75.00 per 3/4" nozzle**
**$ 75.00 per 1" nozzle**



The Magnum Ultramax Premium Pro Full Throttle nozzle delivers single variable flow with steady, maximum volume fog, jets stream and fan patterns. Nozzles and valves are rated at 600 PSI working pressure.

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**MAGNUM ULTRAMAX PREMIUM PLUS TURBO SHIFT NOZZLE**
**$ 135.00 per 3/4" nozzle**
**$ 135.00 per 1" nozzle**



Magnum UltraMax Premium Plus Turf Shift nozzles provide firefighter-quality for professionals. These variable flow, mult-function nozzles are virtually indestructible and leak proof. The innovative Turf Shift models provide two distinct GPM ranges. The outstanding distribution patterns of all Magnum UltraMax nozzles make them excel in high demand areas like greens/tees, infield conditioning and equipment and stadium washdowns.

# MAUGET TREE INJECTION

**FUNGISOL**
**(Debacarb + Carbendazim)**
**$ 171.00 per case**



Fungisol is a proprietary fungicide that was developed by Mauget for tree micro-injection application. It is effective on more than thirty diseases on a large variety of conifer, deciduous, and palms trees. Fungisol has demonstrated activity on soil borne wilt pathogens not effectively controlled with traditional fungicide drenches. RATE: See label for details. *24 X 4 ml/pack*

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**IMICIDE**
**(Imidacloprid)**
**$ 174.00 per case**



Imicide is Mauget's imidacloprid-based insecticide. It provides effective, preventative control for many different insects including the Emerald Ash Borer. Since 2000, Imicide has been used extensively by the USDA, state and city governments in prevention and eradication programs for Asian and Citrus Longhorned Beetles, with over 500,000 trees successfully protected. It has exceptionally long residual control and broad-spectrum insect control. RATE: See label for details. *24 X 2 ml/pack*

**INJECT-A-MIN IRON/ZINC**
**(NPK 1-0-2)**
**$ 125.00 per case**



Inject-a-Min Iron/Zinc is a micro-nutrient formulation containing water-soluble iron and zinc sulfates including sulfur. It provides micronutrient availability to tree species growing in non-native alkaline soils. Because the micronutrients are injected directly into the tree's vascular system, they are not affected by the soil pH. The benefits of it can be evident for 1-5 years compared to adjacent untreated trees. It is helpful in correcting iron and or zinc deficiencies in many species of trees including Pin Oaks. RATE: See label for details. *24 X 6 ml/pack*

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**TEBUJECT 16**
**(Tebuconazole)**
**$ 205.00 per case**



Tebuject 16 is a Triazole fungicide that inhibits sterols synthesis necessary for fungal development. It provides added control of Oak Wilt in addition to leaf diseases such as Elm, Ash, Maple, and Sycamore anthracnose. It is used best in a preventative disease management program although it can also provide suppression of some existing infections until trees regain additional vigor. RATE: See label for details. *24 X 6 ml/pack*

# ICE MELT

**THAW MASTER**
**$ 14.00 bag**




Thaw Master offers a fast-sustaining, melting action without the premium price. Thaw Master utilizes calcium chloride, magnesium chloride and AMC to quickly form an ice melting brine. It's the toughest industrial ice melter in its class! Thaw Master is a highly effective blend that delivers performance and affordability. It's dyed green for easy application and melts to -10 F. *49 x 50 lb. bags/pallet*

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**PELADOW**
**$ 19.00 per bag**




Peladow calcium chloride out-performs other ice formulations in all winter conditions. With its fast-melting action and cold-temperature performance, Peladow calcium chloride is easily distinguished from other ice melters because it contains more than 90% calcium chloride, the most effective material for melting ice and snow. It melts ice 2-5 times faster than other ice-melt materials. Peladow absorbs moisture and generates heat to speed melting. It performs in a wider range of winter temperatures, even extreme cold. *56 x 50 lb. bags/pallet*

**POWER THAW**
**$ 13.00 per bag**




Power Thaw is a powerful ice melter specifically formulated for high performancce melting in the industrial and commercial markets. It's the most powerful blended ice melt in the industrial market. Power Thaw works when temperatures drop to extreme lows; melts to -20 F. It's dyed blue for easy application, high visibility and proper placement. *49 x 50 lb. bags/pallet*

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**BROWN BAG**
**$ 14.00 per bag**




Brown Bag is a simple and effective hard-working formula that works in very low temperatures (-20°). It activates the ice melting process immediately. It is color coated for visual coverage. Brown Bag prevents bonding of ice to walkway surfaces. Less applications are needed to achieve results. *56 x 50 lb. bags/pallet*

# MISCELLANEOUS

**CIVITAS TURF DEFENSE**
**(Mineral oil)**
**EPA REG #69526-13**
**$ 52.00 per gallon**




Civitas Turf Defense is a two-part system intended to be used with Civitas Harmonizer. It provides a physical barrier that helps prevent fungi from entering the plant. In addition, Civitas Turf Defense works via Induced Systemic Resistance (ISR) which is a process that prepares the plant to respond faster and stronger to a potential fungal invasion. Benefits:

- Delivers improved perfomance under reduced irrigation conditions
- Provides proven disease control and can be incorporated into current IPM programs
- Pre-conditions the plant for upcoming stress
- Can improve recovery from fall aeration
- Can enhance spring-green-up and aeration recovery
- Increases resistance to wear/traffic
- Improves plant performance, while reducing inputs required to maintain acceptable course conditions, such as water and fertilizer.

RATE: 8-16 oz./1000 sq. ft. Mix 1 bottle of Harmonizer with each 5 gallon pail (included with purchase) *5 gallon pails*

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**POSTING SIGNS**
**$ 13.00 per bundle**




Chemical application flags that read "Chemically Treated - keep off for 24 hrs." *50/bundle*

**TERREPLEX**
**(Natural organic acid)**
**$ 70.00 per gallon in 2.5 gallons**




Terreplex is a carbon-rich acidifier derived from the lignin in trees. It is a natural, organic polymer, fully biodegradable, non-phytotoxic, non-corrosive, and economical for use on turf. Terreplex contains over 3 lbs. of carbon per gallon – more than any other leading product – providing the energy source needed to stimulate soil microbial activity. Users can expect to see enhanced turf nutritional program efficiency, increased cation exchange capacity, and improved soil structure. RATE: 64 oz./acre *2 x 2.5 gallons/case*

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**TRUE GRIT LAPPING COMPOUND**
**$ 160.00 per pail**




True Grit Lapping Compound sharpens bedknives and reels to provide a sharp, clean cut and smoother playing surface, with less bruising to the grass. It minimizes warping and corrosion to the bedknife. It is environmentally safe and easily washed off with a garden hose after each use. Available in 50, 80, 120, and 180 grit sizes. RATE: Ready to use *25 lb. pails*

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**TURF MAX PIGMENT REMOVER**
**$ 25.00 per quart ***CLOSEOUT PRICE**




Turf Max Pigment Remover will remove most stubborn stains and blemishes from your equipment and accessories, including pigments and dyes. It is ready to use: just spray, wait 3-5 minutes and pressure wash away. Try some today and get your equipment and accessories looking as good as the day you bought them. Turf Max comes in ready-to-use spray bottles or concentrate. RATE: Ready to use spray on bottle *12 x 1 quarts/case*



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ALWAYS READ AND FOLLOW LABEL DIRECTIONS

D & K Products

*Your Turf Products Supplier*

# APPLICATION FOR CREDIT

(Please complete both pages front and back)

Return to: kat@dkturf.com
Fax 515-262-2923
or Mail to the Corporate Office


**Corporate Office:**
1672 NE 54th Avenue
Des Moines, IA 50313
Office: (515) 262-9352
FAX: (515) 262-2923

**Omaha Office**
11937 Portal Road, Ste. 113
La Vista, NE 68128
Office: (402) 201-2521
FAX: (402) 339-9490

**Hiawatha Office**
1575 Ketelsen Dr., Ste. 300
Hiawatha, IA 52233
Office: (319) 409-1195
FAX: (319) 294-7043

**Bettendorf Office**
1210 44th Street
Bettendorf, IA 52722
Office: (563) 823-1842
FAX: (563) 441-7864


Name of Firm _____

Phone Number (_____) _____ EMAIL: _____

Street _____ P.O. Box _____

City _____ State _____ Zip +4 _____

LEGAL STATUS: (circle one) Proprietorship Partnership Corporation
If a Corporation then Federal I.D. # _____
If not a Corporation then S.S.N. # _____
Sales Tax Exemption # _____ (if this is left blank then you will be charged Sales Tax and a signed form must be on file)
Customer Applicator License # _____

**NAME AND ADDRESSES OF OWNERS OR PRINCIPALS**

Name Address City,State, ZIP Home Phone Number

_____

_____

Date Business Began _____ Amount of Credit Requested _____

**Contact Person in Accts Payable** _____ **Accts Payable Email :** _____

## BANKING INFORMATION:

Name _____ Checking Account # _____

Street _____ City,State _____

Zip +4 _____ Loans Outstanding _____ Account # _____

Contact Name _____ Phone # _____ Fax # _____

## TRADE REFERENCES: (This section must be completed entirely!)

*Name* _____ *Name* _____

*Street* _____ *Street* _____

*City, State, Zip +4* _____ *City, State, Zip +4* _____

*Phone Number* _____ *Phone Number* _____

*Fax Number* _____ *Fax Number* _____

1. Is the applicant currently involved in any collection action or payment dispute? _____
2. Are there any outstanding liens of judgements against the applicant? _____
3. Has the applicant ever filed for bankruptcy? _____ If Yes what is the current status of the bankruptcy? _____
4. Are the applicant's receivables pledged or assigned to any other creditor, lender or third party? _____

If you answered yes to 1, 2, 3, or 4 please Explain _____

_____

*The undersigned applicant hereby applies to D & K Products for credit and agrees that the terms and conditions contained on the reverse side hereof shall apply to any credit extended by D & K products applicant. I/we authorize my bank or other agencywith whom I/we have credit dealings, to release credit and financial information to D & K Products in support of the application.*

By _____ By _____

Title _____ Date _____ Title _____ Date _____

Applicant's ("your) signature of the Application for credit contained on the reverse side hereof constitutes your acceptance of the following terms and conditions in consideration of D & K Products extending credit to you.

Upon D & K Products' approval of and in reliance upon credit information which you submit, D & K Products will assign you a maximum credit amount ("Credit Limit") from time to time. D & K Products has the right to reduce your Credit Limit and/or withdraw your credit privileges at any time without prior notice except as otherwise provided by law.

An invoice which sets forth the principal balance for purchases made and the date that said principal balance is due ("Net Due Date") will be issued to you by D & K Products. You agree to pay D & K Products the principal balance, in full, on or before the Net Due Date specified on the invoice.

In the event you fail to pay the principal balance, in full, on or before the Net Due Date specified by D & K Products. D & K Products reserves the right, among other remedies, to suspend further deliveries and to foreclose any security interest which D & K products may have.

A finance charge shall accrue after said Net Due Date at the rate of eighteen percent (18%) per annum on the unpaid principal balance(but not in excess of the maximum rate allowed by the laws of the state of applicant's business address shown on the reverse side hereof.) (Finance Charge") Any payments made by you shall first be applied as D & K Products see fit to the unpaid principal balance.

Should your financial strength become unsatisfactory to D & K Products, cash payment or security satisfactory to D & K Products may be required by D & K Products for future deliveries and for purchase theretofore delivered.

If any unpaid balance is not timely made and D & K Products pursues payment, including but not limited to legal action, abritration proceedings, or collection efforts, Applicants shall pay all costs incurred by D & K Products related to such pursuits. Costs shall include but are not limited to attorney fees, expert fees, finance charges and other expenses.

This agreement shall be construed and enforced according to the laws of the State of Iowa. Any action in regard to this agreement or arising out of its terms and conditions may be instituted in the Iowa Distict Court for Polk County, Iowa. Applicant consents to the jursidiction of such court and agrees that service of process as provided by the statutes and rules of procedure of Iowa for nonresident persons or foreign corporations deemed to be doing business in Iowa shall be sufficient.

If in the reasonable opinion of D & K Products, the credit of the customer is impaired, or D & K Products should feel itself insecure, or should the customer default in the payment of any invoices, D & K Products reserves the right to demand immediate payment in full of all invoices without discount.

Applicant agrees to provide insurance on all inventory purchased from D & K Products. If at any time insurance on inventory lapses of becomes in adequate in any way, D & K Products will be notified immediately, with the entire balance owed to D & K Products becoming due and payable regardless of Net Due dates printed on invoices.

POWER OF ATTORNEY - Debtor hereby appoints D & K Products as it's true and lawful durable attorney-in-fact, irrevocably, with full power of substitution to do the following: (a) to demand, collect, receive, receipt for, sue and recover all sums of money or other property which may now or hereafter become due, owing or payable from the products and accounts receivable; (b) to execute, sign and endorse any and all claims, instruments, receipts, checks, drafts, or warrants issued in payment for the products and accounts receivable; (c) to settle or compromise any and all claims arising under the products and accounts receivable; and in the place and stead of Debtor, or execute and deliver it's release and settlement for the claim; (d) to execute any UCC financing statements or other UCC forms required by D & K Products; and (e) to file any claim or claims or to take any actions or institute or take part in any proceedings, either in it's own name or in the name of the Debtor, or otherwise, which in the discretion of D & K Products may seem to be necessary or advisable in relation to this Agreement. This power is given as security for the indebtedness incurred by Debtor or the grower customers as a result of the sale of the products to Debtor, and the authority hereby conferred is and shall be irrevocable and shall remain in full force and effect until renounced by D & K Products or until all indebtedness is satisfied, whichever occurs first.

Credit Terms and Conditions reviewed by _____

## Personal Guarantee

_____ ("Guarantor") hereby unconditionally guarantees the prompt and full payment and performance of all indebtedness, liabilities, obligations and covenants due D & K. Guarantor's obligations are absolute and continuing and shall not be affected or impaired if D & K amends, renews, extends, compromises, exchanges, fails to exercise, impairs or releases any of the indebtedness owed by the credit applicant. In addition, the obligation is not affected or impaired by the death, incompetency, termination, dissolution, insolvency, business cessation or other financial deterioration of the credit applicant or by any of the following: any present or future law or order of any government or agency thereof purporting to reduce, amend or otherwise affect the indebtedness of the credit applicant or any other obligor or to any other terms of payment; the extension of the time for payment of any principal of or interest on the indebtedness or of the time for performance of any obligations, covenants or agreements; the voluntary or involuntary liquidation, dissolution, sale or other disposition of all or substantially all the assets, marshalling of assets, receivership, insolvency, bankruptcy, assignment for the benefit of creditors, reorganization, or other similar proceedings affecting the Guarantor of the credit applicant or any of their assets, or any allegation or contest of the validity of any agreement; the default or failure of the Guarantor to fully perform any obligation set forth in this Guaranty; any event or action that would, in the absence of this paragraph, result in the release or discharge of the Guarantor from the performance or observance of any obligation, covenant or agreement contained in this paragraph; and any other circumstances which might otherwise constitute a legal or equitable discharge or defense of a surety or a guarantor. The Guarantor's obligations are direct and unconditional and may be enforced without requiring D & K to exercise, enforce, or exhaust any right or remedy against any third party, or any security or collateral.

Dated this _____ day of _____

_____
Guarantor

_____
Company

TO OUR LOYAL CUSTOMERS:

# Thank You

We could not be who we are with you. We appreciate your continued support, and look forward to 2026.

Get ready for our new warehouse to open in March in Sioux Falls, South Dakota. We are excited to be able to better serve our customers up North!

**D & K PRODUCTS SIOUX FALLS**
**5620 W. 9TH STREET**
**SIOUX FALLS, SOUTH DAKOTA 57107**

## WE DELIVER TO IOWA, NEBRASKA, ILLINOIS & SOUTH DAKOTA.

WE MAKE EVERY EFFORT TO PROVIDE COMPLETE, ON-TIME DELIVERIES TO OUR CUSTOMERS AT NO ADDTIONAL CHARGE. WE DO NOT CHARGE FOR DELIVERY WHEN WE DELIVER ON OUR TRUCKS.

**ALL UPS/FEDEX SHIPMENTS AND SPECIAL ORDER PRODUCTS ARE SUBJECT TO FREIGHT CHARGES, NO EXCEPTIONS.**

YOU DO NOT HAVE TO HELP US UNLOAD, UNSTACK OR RESTACK YOUR PRODUCT.

# WAREHOUSE DIRECTORY



## HOME OFFICE/WAREHOUSE
1672 NE 54th AVENUE
DES MOINES, IOWA 50313
(800) 798-9352 • FAX (515) 262-2923




## CEDAR RAPIDS WAREHOUSE
1575 KETELSEN DRIVE, SUITE 300
HIAWATHA, IOWA 52233
(319) 409-1195 • FAX (319) 294-7043




## OMAHA WAREHOUSE
11937 PORTAL ROAD, SUITE 113
LA VISTA, NEBRASKA 68128
(402) 201-2521 • FAX (402) 339-9490




## QUAD CITIES WAREHOUSE
1210 44TH STREET
BETTENDORF, IOWA 52722
(563) 823-1842 • FAX (563) 441-7864




## QUINCY WAREHOUSE
5103 KOCHS LANE, SUITE 104
QUINCY, ILLINOIS 62305
(217) 430-6820 • **BY APPOINTMENT ONLY**

## SIOUX FALLS WAREHOUSE
OPENING MARCH 2026
5620 W. 9TH STREET
SIOUX FALLS, SOUTH DAKOTA 57107