Welcome to the Advanced Turf Solutions product catalog!

We are an independent green industry distributor serving turf managers in the golf, athletic field, lawn care, and landscape markets. Advanced Turf Solutions (ATS) offers the best leading edge and post-patent products available on the market with service that is second to none.

In this catalog you'll find information about our company and locations, contact information for the people dedicated to serving you, product listings, and handy resource guides. Don't see what you need? Ask an ATS rep about additional products, and visit advancedturf.com for our most up-to-date offerings.

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<td>DIRECTORY</td>
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<tr>
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<td>We are 100% employee-owned, so everyone in our organization—from management, to operations, to our office staff—is dedicated to providing you with the best possible service.</td>
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<td>FERTILIZERS</td>
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<td>Paying special attention to economics, sustainability, and performance, we carefully selected the best synthetic and organic granular and foliar fertilizers.</td>
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<td>CHEMICALS</td>
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<td>ATS offers the best selection of leading edge plant protection chemistry for turfgrass and ornamentals:</td>
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<td>39 Fungicides</td>
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<td>49 Herbicides</td>
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**GRASS SEED**
With our selection of premium grass seed varieties, we have the right product for your next seeding project. A proud distributor of Barenbrug, Pure Seed, and Mountain View Seeds, we can also provide custom seed mixes.

### 84
**ATHLETIC FIELD PRODUCTS**
We’re your full-service partners for creating safe, playable, and aesthetically pleasing natural grass and athletic surfaces. ATS offers an extensive portfolio of quality sports field products.

### 92
**ICE MELT**
Whether you need to melt snow and ice in temperatures as low as -25 degrees or you’re looking for gentle, plant and pet-safe options, we can help you make the best product choice for your operation. We also offer bulk ASTM-grade highway salt in several metropolitan areas.

### 96
**EQUIPMENT**
ATS offer spreaders, spray equipment, and supplies—including the new Steel Green Manufacturing sprayer/spreaders! Request a demo and try it out for yourself. Our experienced equipment specialists will demonstrate the equipment in real-world environments and answer your questions while you test drive.

### 110
**ACCESSORIES**
For everyday maintenance, we are your source for green industry tools and accessories to help you get the job done. Offering a wide assortment of tools, tines and bedknives, measuring supplies, and personal protective equipment, Advanced Turf Solutions literally has you covered.
Shipping Information

We are happy to assist walk-in customers at each of our locations. Hours vary by season and location.

Our delivery options include:

• To your door forklift delivery from each of our warehouses
• UPS or Fed-Ex
• Common carrier LTL
• Drop ship on truckload quantities
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**CALIBRATING YOUR GRANULAR SPREADER**

1. To determine the rate of fertilizer per 1,000 sq ft based on nitrogen needs: divide the pounds of nitrogen you need by the percent of nitrogen in the formulation to get the lbs of fertilizer you will need per 1,000 sq ft. *(see nutrient application chart on the right)* Example: 25-2-4 fertilizer, need 0.80 lb nitrogen per thousand 0.8 lbs nitrogen required / 0.25 % nitrogen in fertilizer = 3.2 pounds 25-3-4 per 1,000 sq ft. or __lbs N / ___ % N = ___ lbs per 1,000 fertilizing material to apply

2. You will need an open area at least 50 feet long, a bucket, calculator, tape measure, scale, and fertilizer to be calibrated.

3. Estimate the amount of fertilizer you will need for this test and place it in the spreader.

4. Set the spreader at the setting suggested on the bag for your spreader

5. Spread the material along the open area you have chosen. Walk at the pace you normally walk during actual applications. Many spreaders are dependent on walking speed along with spreader settings. Start your walk before your measured start point to ensure accurate calculations. *(See operation chart on the right)*

6. Weigh the amount of material left in the spreader.

7. Measure the length and width of the area covered. Calculate this into square feet (length x width).

8. Calculate the amount applied per 1,000 sq ft. Example: 2.0 lbs applied on 500 sq ft: 2.0 lbs x (1,000 sq ft / 500 sq ft) = 4.0 lbs applied per 1,000 sq ft or __lbs x (1,000 sq ft / ___ sq ft) = ___ lbs applied per 1,000 sq ft

9. Adjust the spreader settings to adjust your rate to spread less material and repeat the test process to spread 3.2 fertilizer per 1,000 sq ft (to apply 0.8 pounds nitrogen per 1,000 sq ft).

10. Factors that affect spreader settings include: walking speed, differences in granular size, moisture content of granulars, coatings, age and condition of spreader, amount of overlap and other similar conditions.

### SPREADER SETTINGS

**SUGGESTED STARTING POINTS ONLY. MUST PROPERLY CALIBRATE SPREADER.**

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<th>SPREADER:</th>
<th>SGN 200-215 (POUNDS OF PRODUCT / 1000 SQ FT:</th>
<th>SGN 140-155 (POUNDS OF PRODUCT / 1000 SQ FT:</th>
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<td>14 16 20 4#</td>
<td>12 15 16 4#</td>
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<td>C2 C3 A5 6#</td>
<td>C1 C2 1/2 6#</td>
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<td>GANDY</td>
<td>24 28 32 8#</td>
<td>22 25 28 8#</td>
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<td>3II 5II 6II 16#</td>
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<td>D F I 32#</td>
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Nutrient Application Chart

AMOUNT OF FERTILIZER NEEDED PER 1,000 SQ FT TO SUPPLY VARIOUS RATES OF ACTUAL NUTRIENT

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<td>780.00</td>
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<td>10.00%</td>
<td>128.00</td>
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<td>460.00</td>
<td>590.00</td>
<td>720.00</td>
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SGN 95-110

POUNDS OF PRODUCT / 1000 SQ FT:

2 # 4 # 6 #

2 3 4 1/2
10 12 15
A2 C1 C2 1/2
20 22 26
2 I 3 I 5 II
2 II 3 II 5 II
D G 1
14 16 17
F H L
1 1/2 2 1/2 4 1/2
1 2 3 1/2
1 4 6
1 2 4 1/2
C E G
E G K
G J L
G J L
G J L
1 2 4 1/2
15 18 24
SENSIBLE
Urea-humate fusion technology with fulvic and humic acids provides a rich carbon source for maintaining and improving soil biology.

SPRAYABLE & SPREADABLE
HCU granules are 100% soluble and can be used in spray applications or dry-applied through typical dry spreading equipment.

SUSTAINABLE
With the power of humic acid, HCU granules enhance soil biology and provide turf quality and color that is comparable to enhanced efficiency nitrogen products.

DiscoverHCU.com
For more information contact Dave Louttit at 312-909-4909
## Synthetic

<table>
<thead>
<tr>
<th>PRODUCT NAME/ ANALYSIS</th>
<th>SGN</th>
<th>N SOURCE</th>
<th>K SOURCE</th>
<th>BAG SIZE</th>
<th>LBS/1000 SQ FT</th>
<th>N/1000 SQ FT</th>
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<tr>
<td><strong>STANDARD N-P-K</strong></td>
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<tr>
<td>12–24–8 Contec DG Pro with Micros (Andersons)</td>
<td>75</td>
<td>50% MU</td>
<td>SOP</td>
<td>40 lbs</td>
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<tr>
<td>12–3–12 Contec DG Pro with MG, MN and K-mag (Andersons)</td>
<td>75</td>
<td>AS</td>
<td>SOP</td>
<td>40 lbs</td>
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<td>18–9–18 Contec DG Pro with Fe and Mn (Andersons)</td>
<td>75</td>
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<td>SOP</td>
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<td>0.75</td>
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<td>19–0–15 Contec DG Pro with Micros (Andersons)</td>
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<td>100% MU</td>
<td>SOP</td>
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<td>18–3–18 Contec DG with 6% S (Andersons)</td>
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<td>93% MU</td>
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<td>7–14–14 Contec DG Pro (Andersons)</td>
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<td>14–28–10 (ATS) with Foliar–Pak Armament</td>
<td>90</td>
<td>50% Nut</td>
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<td>K Cal 0–0–22 with 6% Mg</td>
<td>90</td>
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<td>13–2–13 (Andersons)</td>
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<td>21–3–16 (ATS) with Foliar–Pak Armament</td>
<td>100</td>
<td>97% Nut</td>
<td>SOP</td>
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<td>22–0–22 (ATS) with Foliar–Pak Armament</td>
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<td>65% Nut</td>
<td>SOP</td>
<td>50 lbs</td>
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<tr>
<td>10–18–18 (Andersons)</td>
<td>125</td>
<td>50% Nut</td>
<td>SOP</td>
<td>50 lbs</td>
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<tr>
<td>22–4–18 with 1% Fe (Andersons)</td>
<td>125</td>
<td>93% Nut</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.59</td>
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## Synthetic

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<th>BAG SIZE</th>
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<td>STANDARD N-P-K (CONTINUED)</td>
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<tr>
<td>25–5–15 with Micros (Andersons)</td>
<td>125</td>
<td>50% Nut</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>1.00</td>
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<tr>
<td>Hi–Mag Trace Element Package (Andersons)</td>
<td>125</td>
<td>n/a</td>
<td>n/a</td>
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<td>See label</td>
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<tr>
<td>24–0–18 Expo K (Lebanon)</td>
<td>145</td>
<td>87% MU</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.10</td>
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<tr>
<td>25–0–10 MESA (Lebanon)</td>
<td>145</td>
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<td>50 lbs</td>
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<tr>
<td>15–25–10 (ATS) with Foliar–Pak Armament</td>
<td>150</td>
<td>40% Uflexx</td>
<td>SOP</td>
<td>50 lbs</td>
<td>3.50</td>
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<tr>
<td>18–2–24 with 1% Fe (ATS)</td>
<td>150</td>
<td>75% Nut</td>
<td>SOP</td>
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<td>4.00</td>
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<tr>
<td>18–24–5 Contec DG Pro (Andersons)</td>
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<td>100% NUT</td>
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<td>24–0–10 Pro (Andersons)</td>
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<td>90% MU–L</td>
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<td>22–0–16 with 1% Fe (ATS) with Foliar–Pak Armament</td>
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<td>75% Nut</td>
<td>SOP</td>
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<td>25–0–10 (Andersons)</td>
<td>150</td>
<td>80% NSN</td>
<td>SOP</td>
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<td>12–3–6 Woodace ACRE with Micros – Landscape Use</td>
<td>n/a</td>
<td>56% MU</td>
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<tr>
<td>14–14–16 Multicote 4 Plus Micros – Landscape Use</td>
<td>n/a</td>
<td>100% Polymer Coated</td>
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<td>50 lbs</td>
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<td>1.00</td>
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<tr>
<td>16–28–12 Starter with Foliar–Pak Armament</td>
<td>215</td>
<td>30% PSCU</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.60</td>
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<tr>
<td>16–0–4 with DDP Iron</td>
<td>215</td>
<td>100% RxN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.55</td>
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<tr>
<td>22–0–4 with Foliar–Pak Armament</td>
<td>215</td>
<td>50% PSCU / RxN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.75</td>
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<tr>
<td>22–3–11 with Foliar–Pak Armament</td>
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<td>50% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
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<td>0.75</td>
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<tr>
<td>25–0–3</td>
<td>215</td>
<td>25% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
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<td>1.00</td>
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<tr>
<td>25–3–10 with Foliar–Pak Armament</td>
<td>215</td>
<td>90% SRN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>1.00</td>
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</table>
Foliar-Pak Armament is a liquid technology designed to be sprayed onto a variety of granular formulations. Each fertilizer granule is completely coated with boron, zinc, and Armament.

ATS Professional Turf Fertilizer with Armament:
- Improves efficiencies and increases nutrient uptake
- Supplies stable, plant-available nutrients
- Unlocks the tied-up nutrients that already exist in the soil
- Non-staining, iron-free formulation

Advanced Turf Solutions, partnering with Morral Companies, provides quality NPK fertilizers for lawn care, athletic field, and golf course turf applications, which are now protected by Armament.
LebanonTurf now offers our industry-standard controlled release ProScape fertilizer with Acelepryn insecticide plus Dimension herbicide. It’s a one-two-three punch that delivers beautiful dark green color while providing effective, season-long control against grubs and crabgrass. One granular application in the spring protects your golf course for the year.

It’s all about time ... using it, saving it.

Mesa and Meth-Ex are exclusive Lebanon nitrogen technologies for deep green turf with lasting color.

Expo, a homogeneous granule of Meth-Ex and Potassium sulfate, helps turf cope with traffic and other stresses.

LebanonTurf offers high-performance controlled release fertilizer technologies. With leading-edge technologies such as MESA, Meth-Ex, and Expo, you can be confident that you’ll get improved fertility and healthier, sturdier, deeper green turf. Call us or visit our website to learn more.
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<td>30–0–4 with Foliar-Pak Armament</td>
<td>215</td>
<td>30% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.33</td>
<td>1.00</td>
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<td>30–0–6 with Foliar-Pak Armament</td>
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<td>3.33</td>
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<td>34–0–4</td>
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<td>40–0–0</td>
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<tr>
<td>46–0–0 Uflexx</td>
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<td>100% Uflexx</td>
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<td>1.40</td>
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<td>9–0–18 Contec DG with .164% Dithiopyr, Mn and Fe (Andersons)</td>
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<td>65% MU</td>
<td>SOP</td>
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<td>SOP</td>
<td>50 lbs</td>
<td>3.44</td>
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<tr>
<td>24–0–12 with .167% Dimension® and .067% Acelepryn® (Lebanon)</td>
<td>145</td>
<td>100% Meth-Ex</td>
<td>50% EXPO</td>
<td>50 lbs</td>
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<td>10–5–25 w/.13% Dimension® (EC Grow)</td>
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<td>50% Nut</td>
<td>MOP</td>
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<td>4.00</td>
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<tr>
<td>12–24–12 with Siduron (Andersons)</td>
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<td>AM</td>
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<td>15–0–8 with .86% Millennium Ultra (Andersons)</td>
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<td>25% PCSCU</td>
<td>MOP</td>
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<tr>
<td>16–0–8 with 1.14% Escalade</td>
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<td>22–0–16 with .125% Dimension® and 1% Ronstar (Andersons)</td>
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<td>50% Nut</td>
<td>SOP</td>
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<td>25–0–10 with 0.13% Dimension® (Shaw’s)</td>
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<td>100% XRT</td>
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## Synthetic

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<tr>
<th>PRODUCT NAME/ANALYSIS</th>
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<th>N/1000 SQ FT</th>
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<td>30–0–8 with .15% Dimension® and .058% Acelepryn® (EC Grow)</td>
<td>150</td>
<td>90% Duration</td>
<td>SOP</td>
<td>50 lbs</td>
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<td>30–0–10 with .15% Dimension® and .058% Acelepryn® (EC Grow)</td>
<td>220</td>
<td>90% Duration</td>
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<td>4.00</td>
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<td>0–0–7 with .13% Dimension®</td>
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<td>All Mineral</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.00</td>
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<tr>
<td>10–0–3 with .37%/.38% Prodiame/Barricade®</td>
<td>215</td>
<td>100% RxN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.40</td>
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<td>10–0–4 with .125% Dimension®</td>
<td>215</td>
<td>100% RxN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.40</td>
</tr>
<tr>
<td>13–0–4 with 0.15% Dithiopyr/ Dimension®</td>
<td>215</td>
<td>25% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
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<td>13–0–5 with 0.125%/13% Dithiopyr/ Dimension®</td>
<td>215</td>
<td>20% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.52</td>
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<tr>
<td>14–0–4 with 0.37% Prodiame/ barricade®</td>
<td>215</td>
<td>20% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.52</td>
</tr>
<tr>
<td>18–0–5 with 0.125% Dithiopyr/ Dimension®</td>
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<td>25% SRN</td>
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<tr>
<td>18–0–6 with 0.125% Dithiopyr/ Dimension®</td>
<td>215</td>
<td>70% Duration 90</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.72</td>
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<tr>
<td>19–0–5 with 0.38% Prodiame/ barricade®</td>
<td>215</td>
<td>25% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.76</td>
</tr>
</tbody>
</table>

**NEW** New Product  
**Not for Residential Use**  
**Restricted Product**
Combination Insect and Pre-emergent Weed Control
Acerlypryn® and Dimension® combines two premier active ingredients in one great product. Dimension’s extended application window provides season-long control of crabgrass and suppresses other listed annual grasses and broadleaf weeds. Acerlypryn, recognized by the EPA as a reduced risk pesticide, controls both surface and sub-surface feeding insects for season-long grub control.

**KEY BENEFITS**

- Season-long crabgrass and grub control
- Low environmental impact
- Non-staining
- Proven Chemistries
- Available with Enhanced Efficiency Fertilizer

**Available Products**

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<thead>
<tr>
<th>Award Turf Fertilizer CAD (4 Month) STANDARD</th>
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<tbody>
<tr>
<td>30-0-10 90% PCU, 0.15% DIMENSION, .058% ACELEPRYN</td>
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<table>
<thead>
<tr>
<th>Award Turf Fertilizer CAD (4 Month) MINI</th>
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</thead>
<tbody>
<tr>
<td>30-0-8 MINI 90% PCU, SOP, .15% DIMENSION, .058% ACELEPRYN</td>
</tr>
</tbody>
</table>

**30-0-10 90% PCU, 0.15% DIMENSION, .058% ACELEPRYN**

<table>
<thead>
<tr>
<th>SPREAD RATE</th>
<th>#’s A.I. DIMENSION PER ACRE</th>
<th>#’s A.I. ACELEPRYN PER ACRE</th>
<th>NITROGEN PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>175-325LB/ACRE</td>
<td>0.263-0.487 LBS</td>
<td>0.102-0.189 LBS</td>
<td>52.5-97.5</td>
</tr>
</tbody>
</table>

**Nutrient Enhancer**
Armament ensures that the nutrients applied to the soil remain in a plant-available form — preventing interaction with other nutrients in the soil and from hydrogen and hydroxide ions. It is composed of a patented blend of chelating agents and is made through a highly refined manufacturing process.

**GUARANTEED ANALYSIS**

<table>
<thead>
<tr>
<th>Total Nitrogen (N)</th>
<th>18.0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea nitrogen*</td>
<td>18.0%</td>
</tr>
<tr>
<td>Soluble Potash (K2O)</td>
<td>0.002%</td>
</tr>
<tr>
<td>Boron (B)</td>
<td>0.020%</td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>0.020%</td>
</tr>
</tbody>
</table>

*14.4% slowly available urea nitrogen from polymer coated urea.
Bags of blended fertilizer can contain up to 50% filler, which adds little to no nutritional value.

Building a higher analysis fertilizer by replacing filler with nutrients and including a higher percentage of enhanced efficiency technology extends longevity.

The result is fewer applications, which helps you optimize labor. And more efficient nutrient release promotes turfgrass health, and healthy turfgrass is more wear-resistant.

Visit KochTurf.com/InTheBag to watch our video and see how you can save time and money when you know what’s in the bag.

For Additional Information, Contact:
Scott Chaffee, Sr. Regional Sales Manager
614-306-6888 | scott.chaffee@kochind.com
## Synthetic

<table>
<thead>
<tr>
<th>PRODUCT NAME/ ANALYSIS</th>
<th>SGN</th>
<th>N SOURCE</th>
<th>K SOURCE</th>
<th>BAG SIZE</th>
<th>LBS/1000 SQ FT</th>
<th>N/1000 SQ FT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INSECTICIDES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–0–15 with 0.067% Acelepryn</td>
<td>150</td>
<td>100% SRN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.60</td>
<td>0.69</td>
</tr>
<tr>
<td>0–0–7 with 0.24% Imi-Lambda</td>
<td>215</td>
<td>All Mineral</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.00</td>
</tr>
<tr>
<td>15–0–4 with 0.2% Merit®/ Imidacloprid</td>
<td>215</td>
<td>25% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.55</td>
</tr>
<tr>
<td>17–0–5 with 0.069% Bifenthrin/ Talstar</td>
<td>215</td>
<td>30% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.58</td>
</tr>
<tr>
<td>18–0–4 with 0.24% Imi-Lambda</td>
<td>215</td>
<td>50% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.62</td>
</tr>
<tr>
<td>22–0–7 with 0.067% Acelepryn</td>
<td>215</td>
<td>50% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.69</td>
</tr>
<tr>
<td>21–0–4 with 0.2% Imidacloprid/ Merit®</td>
<td>215</td>
<td>50% SRN</td>
<td>MOP</td>
<td>50 lbs</td>
<td>3.44</td>
<td>0.72</td>
</tr>
</tbody>
</table>
## Granular

### Organic

<table>
<thead>
<tr>
<th>Product Name/Analysis</th>
<th>SGN</th>
<th>N Source</th>
<th>K Source</th>
<th>Bag Size</th>
<th>Lbs/1000 Sq Ft</th>
<th>N/1000 Sq Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>8–3–5 Super Fine (Nature Safe)</td>
<td>75</td>
<td>85% WIN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>6.25</td>
<td>0.50</td>
</tr>
<tr>
<td>5–6–6 Fine (Nature Safe)</td>
<td>90</td>
<td>45% WIN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>10.00</td>
<td>0.50</td>
</tr>
<tr>
<td>8–3–5 Fine (Nature Safe)</td>
<td>90</td>
<td>85% WIN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>6.25</td>
<td>0.50</td>
</tr>
<tr>
<td>10–2–8 Fine (Nature Safe)</td>
<td>90</td>
<td>85% WIN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>5.00</td>
<td>0.50</td>
</tr>
<tr>
<td>12–2–6 Fine with AS (Nature Safe)</td>
<td>90</td>
<td>45% WIN 50% AS</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.20</td>
<td>0.50</td>
</tr>
<tr>
<td>Healthy Grow 2–4–3 with Foliar–Pak Armament</td>
<td>90/180</td>
<td>ACCM</td>
<td>ACCM</td>
<td>50 lbs</td>
<td>5.00</td>
<td>0.10</td>
</tr>
<tr>
<td>Healthy Grow 8–3–5 with Foliar–Pak Armament</td>
<td>90/180</td>
<td>ACCM, AS Urea, MU</td>
<td>ACCM SOP</td>
<td>50 lbs</td>
<td>3.40</td>
<td>0.28</td>
</tr>
<tr>
<td>Healthy Grow 10–3–2 with Foliar–Pak Armament</td>
<td>180</td>
<td>ACCM AS, Urea</td>
<td>ACCM</td>
<td>50 lbs</td>
<td>3.40</td>
<td>0.34</td>
</tr>
<tr>
<td>10–2–8 Coarse (Nature Safe)</td>
<td>200</td>
<td>85% WIN</td>
<td>SOP</td>
<td>50 lbs</td>
<td>10.00</td>
<td>1.00</td>
</tr>
<tr>
<td>21–3–7 w/ Uflexx (Nature Safe)</td>
<td>200</td>
<td>10% WIN 85% Uflexx</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.75</td>
<td>1.00</td>
</tr>
<tr>
<td>9–12–6 Starter with Foliar–Pak Armament</td>
<td>220</td>
<td>Organic Blend</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.36</td>
</tr>
<tr>
<td>14–14–10 Landscape Blend with Foliar–Pak Armament</td>
<td>220</td>
<td>Organic Blend</td>
<td>MOP</td>
<td>50 lbs</td>
<td>10.00</td>
<td>1.40</td>
</tr>
<tr>
<td>18–2–4</td>
<td>220</td>
<td>Organic Blend</td>
<td>SOP</td>
<td>50 lbs</td>
<td>4.00</td>
<td>0.72</td>
</tr>
</tbody>
</table>

Don’t see what you need?  
Ask your rep about additional products!  
Visit [www.advancedturf.com](http://www.advancedturf.com) for our most up to date offerings.
# Nature Safe Fertilizers
## Turf and Ornamentals

<table>
<thead>
<tr>
<th>Product</th>
<th>Lb Fert to 1 lb N/1000 SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>*5-6-6 Starter Fertilizer</td>
<td>20.00</td>
</tr>
<tr>
<td>Fine (SGN 130-140)</td>
<td></td>
</tr>
<tr>
<td>*7-12-0 Organic Fertilizer</td>
<td>14.30</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>*8-3-5 Stress Guard Fertilizer</td>
<td>12.50</td>
</tr>
<tr>
<td>Super Fine (SGN 90-100), Fine (SGN 130-140),</td>
<td></td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>*8-5-5 Landscape Fertilizer</td>
<td>12.50</td>
</tr>
<tr>
<td>Pelleted (SGN 5/32&quot; X 1/4&quot; - 1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>9-0-9 Nitrogen &amp; Potassium Fertilizer</td>
<td>11.25</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>*9-6-1 Organic Fertilizer</td>
<td>11.55</td>
</tr>
<tr>
<td>Pelleted (SGN 5/32&quot; X 1/4&quot; - 1/2&quot;), Unpelleted</td>
<td></td>
</tr>
<tr>
<td>10-0-8 Nitrogen &amp; Potassium Fertilizer w/Kelp Extract</td>
<td>10.00</td>
</tr>
<tr>
<td>Super Fine (SGN 80-100)</td>
<td></td>
</tr>
<tr>
<td>*10-2-8 All Season Fertilizer</td>
<td>10.00</td>
</tr>
<tr>
<td>Fine (SGN 130-140), Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>12-0-6 Ammonium Sulfate Fortified Fertilizer</td>
<td>8.30</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Lb Fert to 1 lb N/1000 SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-2-6 Ammonium Sulfate Fortified Fertilizer</td>
<td>8.30</td>
</tr>
<tr>
<td>Fine (SGN 130-140)</td>
<td></td>
</tr>
<tr>
<td>*13-0-0 Blending Base Fertilizer</td>
<td>7.70</td>
</tr>
<tr>
<td>Coarse (SGN 220-230), Pelleted (SGN 5/32&quot; X 1/4&quot; - 1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>*15-0-1 Hi-Sol Nitrogen</td>
<td>6.75</td>
</tr>
<tr>
<td>Dry Flowable Powder</td>
<td></td>
</tr>
<tr>
<td>*15-1-1 Soluble Fertilizer</td>
<td>6.75</td>
</tr>
<tr>
<td>Dry Flowable Powder</td>
<td></td>
</tr>
<tr>
<td>16-0-2 with Ammonium Sulfate and Stabilized Nitrogen</td>
<td>6.15</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>18-0-4 Blended with MESA®</td>
<td>5.6</td>
</tr>
<tr>
<td>Fine (SGN 130-140)</td>
<td></td>
</tr>
<tr>
<td>21-3-7 Blended with UFLEXX®</td>
<td>4.8</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
<tr>
<td>27-0-2 Blended with UFLEXX®</td>
<td>3.7</td>
</tr>
<tr>
<td>Coarse (SGN 220-230)</td>
<td></td>
</tr>
</tbody>
</table>

For more information about our products, please contact us:
Rick Geise  (859) 572-2558  rgeise@naturesafe.com
Kirk Carls  (616) 566-0307  kcarls@naturesafe.com

(800) 743-7413  251 O’Connor Ridge Blvd. Suite 300  Irving TX  75038
naturesafe.com

Your Choice for Soil and Plant Nutrition
Colonise® technology features a highly specific blend of microorganisms, microbe food and nutrient enhancers. These components work together in synergy to help plants create stronger roots, encourage healthier growth, increase playability and defend turf against adverse conditions.

**ALSO FEATURING COLONISE® TECHNOLOGY**

- Takes the guesswork out of building a program for turfgrass establishment.
- Expedites maturity, density and hardiness of the turfgrass strand.
- Ideal for recovery of turf damaged by biotic or abiotic stresses.

- Combines the foliar nutrients most necessary for in-season turfgrass success in one jug.
- Improves stress tolerance, nutrient uptake and utilization.
- Provides consistent growth and long-lasting color
## FERTILIZERS | Foliar & Soluble

<table>
<thead>
<tr>
<th>PRODUCT NAME/ANALYSIS</th>
<th>N SOURCE</th>
<th>K SOURCE</th>
<th>BAG SIZE</th>
<th>LBS/1000 SQ FT</th>
<th>N/1000 SQ FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>20–20–20 General Purpose</td>
<td>Soluble</td>
<td>Potassium Nitrate</td>
<td>25 lbs</td>
<td>5.00</td>
<td>1.00</td>
</tr>
<tr>
<td>30–10–7 Arbor Green Pro with Polyamino Acids</td>
<td>67% Ureaform</td>
<td>Food grade</td>
<td>30 lbs</td>
<td>7.50</td>
<td>2.25</td>
</tr>
<tr>
<td>12–31–14 Flowering Plants</td>
<td>Soluble</td>
<td>Potassium Nitrate</td>
<td>25 lbs</td>
<td>3.20</td>
<td>0.38</td>
</tr>
<tr>
<td>28–8–18 Bentgrass Special</td>
<td>Soluble</td>
<td>Potassium Nitrate</td>
<td>25 lbs</td>
<td>0.36</td>
<td>0.10</td>
</tr>
</tbody>
</table>

### ArmorTech® 28 Si

**PRODUCT DESCRIPTION**
ArmorTech® 28 is a premium potassium phosphite with green dye formulated to enhance turf during periods of stress by triggering the plants natural defense mechanisms. ArmorTech® 28 contains Silica for enhanced stress protection and is buffered for improved plant uptake.

**LABEL RATE** 3–4 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case

### Foliar-Pak® Armament Concentrate 0–0–9 protected by Armament

**PRODUCT DESCRIPTION**
Foliar-Pak® Armament technology is a patented, biodegradable nutrient enhancer. This high molecular weight structure holds a large population of negative charges. These negative charges gently complex positively charged metals, keeping them in solution.

**SUGGESTED RATES** 40–60 fl. oz./acre

**PACKAGING SIZES** 2 x 2.5 gallon case*

### ArmorTech® 44

**PRODUCT DESCRIPTION**
ArmorTech® 44 is a unique urea phosphite that contains less salt than competing potassium products and is more concentrated i.e. lower rates! ArmorTech® 44 gets into the plant fast thanks to the urea carrier, but only delivers 0.02 lbs of nitrogen per 1000 sq. ft.

**LABEL RATE** 0.5–2 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case

### Foliar-Pak® Armament K 0–0–24 protected by Armament

**PRODUCT DESCRIPTION**
Foliar-Pak® Armament K provides a high analysis of liquid potassium that can be effectively tank mixed with other nutrients and wetting agents. Armament technology protects nutrients from adverse interactions in the soil and spray tank while increasing potassium uptake and use efficiency by as much as 30%.

**SUGGESTED RATES** 3–9 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® Amperage 5–0–0 NEW

**PRODUCT DESCRIPTION**
Foliar-Pak® Amperage is a newly formulated liquid blend of iron, manganese, and zinc complexed with amino acids. It is great for maintaining base levels of the primary minerals required for photosynthesis, especially during periods of cool temperatures.

**SUGGESTED RATES** 1.5–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® Armament MKS 0–0–5 protected by Armament

**PRODUCT DESCRIPTION**
Foliar-Pak® Armament MKS uses a unique combination of organic acids and soil penetrants, protecting potassium, magnesium, and sulfur from adverse interactions in the soil and water, resulting in a greater percentage of applied nutrients used by the plant.

**SUGGESTED RATES** 5–10 gal/acre

**PACKAGING SIZES** 2 x 2.5 gallon case*
**Foliar-Pak® Armament P**  
3–12–2 protected by Armament  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Armament P increases phosphorus availability by loosely complexing and preventing common soil nutrient interactions that tie-up phosphorus. Phosphorus is essential for protein synthesis, cell division, and the development of new tissue.  

**SUGGESTED RATES** 3–9 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Bio 12–6–6**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Bio 12–6–6 Bio Based Fertilizer is a concentrated liquid supplement to foliar and soil based programs. It promotes improved rooting and stress tolerance. Foliar-Pak® 12–6–6 Bio Based Fertilizer provides bioactive ingredients which improve microbial activity, nutrient availability, while reducing fertilizer inputs into the environment. It includes sea plant extract, fulvic acid, and L-amino acid technology.  

**SUGGESTED RATES** 3–9 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Chloroburst L™**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Chloroburst™ is a highly concentrated supplement that supplies specially chelated iron, manganese, and zinc in a form that's available to plants and turf even in high pH soil.  

**SUGGESTED RATES**  
- Flowers: 1.5 oz/gal drench,  
- Trees and Shrubs: 3 oz/in diameter,  
- Turf 12 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Calcium**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Calcium is a brand new formulation using three natural and modified plant metabolites specific for protecting calcium. Calcium improves plant tolerance to disease and stress while enhancing plant stem strength.  

**SUGGESTED RATES** 1.5–6 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Colonise Bio**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Colonise Bio is a highly specific blend of eight microorganisms, microbe food, and nutrient enhancers that helps target better nutrient uptake, plant resilience, rooting, and turf playability.  

**SUGGESTED RATES** 3–6 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Boron**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Boron is a highly concentrated liquid boron product formulated by reacting boric acid with a specific amino acid to deliver a new boron-amino acid complex.  

**SUGGESTED RATES** 0.75–2 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Bio Sea**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Bio Sea is an Ascophyllum nodosum liquid seaweed extract harvested from the coast of Norway. Cold process extraction preserves the integrity of the natural nutrients, amino acids, organic acids, and sugars. Bio Sea is great for stress protection and turf recovery.  

**SUGGESTED RATES** 1.5–6 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Carbosential® Fe Turbo with L–Amino Acids**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Carbosential® Fe Turbo is an organic iron with a patented polysaccharide based delivery system. This unique delivery system dramatically reduces the amount of product needed and stimulates soil microbes. Carbosential contains powerful amino acid package.  

**SUGGESTED RATES** 10–14 oz/acre  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® Bio Drive**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® Bio Drive is a highly active humic acid source. Using a proprietary extraction process, the integrity of natural humic and fulvic structures are preserved, thus eliciting better plant and soil responses.  

**SUGGESTED RATES** 3–9 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® CSi L**  

**PRODUCT DESCRIPTION**  
Foliar-Pak CSi L is one of the most concentrated liquid silicon products in the market at 25% SiO2 by weight. It is derived from silicic acid, and forms a low molecular weight silica polymer.  

**SUGGESTED RATES** 0.5–2.5 lbs/acre  
**PACKAGING SIZES** 6 x 1lb case  

---  

**Foliar-Pak® 12–6–6 Bio Based Fertilizer**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® 12–6–6 Bio Based Fertilizer is a concentrated liquid supplement to foliar and soil based programs. It promotes improved rooting and stress tolerance. Foliar-Pak® 12–6–6 Bio Based Fertilizer provides bioactive ingredients which improve microbial activity, nutrient availability, while reducing fertilizer inputs into the environment. It includes sea plant extract, fulvic acid, and L-amino acid technology.  

**SUGGESTED RATES** 3–9 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*  

---  

**Foliar-Pak® BioSea**  

**PRODUCT DESCRIPTION**  
Foliar-Pak® BioSea is an Ascophyllum nodosum liquid seaweed extract harvested from the coast of Norway. Cold process extraction preserves the integrity of the natural nutrients, amino acids, organic acids, and sugars. Bio Sea is great for stress protection and turf recovery.  

**SUGGESTED RATES** 1.5–6 oz/1000  
**PACKAGING SIZES** 2 x 2.5 gallon case*
IMPROVES fertilizer efficiency

Makes soil-bound NUTRIENTS more plant available

ALLEVIATES bicarbonate issues in the root zone

ADDS carbon and humic acids to nourish native microbial populations

CONTROL Pythium

DELIVER foliar phosphate and potassium

Act as a TANK BUFFER to ensure the efficacy of many pesticides

Do NOT use with copper fungicides or any chemical that requires a high pH.
Soil Solver shows both the total nutrients and the nutrients immediately available to the plant in the soil. Experts provide recommendations for soil applications to address long-term deficiencies and foliar applications to provide relief from immediate deficiencies.

- Exchangeable and available recommendation metrics are based on thousands of soil tests from a variety of growing environments.

- Customizing product mix based on actual needs will reduce unnecessary inputs and improve application efficiency.

- Identifying pH, CEC, EC, and OM as well as the total and available nutrients in the soil provides an opportunity to make customized recommendations and maximize plant performance.
**Foliar-Pak Colonise Bio LTO**

**PRODUCT DESCRIPTION**
Foliar-Pak® Colonise Bio LTO is a highly specific blend of microorganisms, microbe food, and nutrient enhancers. This helps to promote color response, plant resilience and nutrient uptake.

**SUGGESTED RATES** 2–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

---

**Foliar-Pak Foundation Forty**

**PRODUCT DESCRIPTION**
Foliar-Pak® Foundation Forty is a highly concentrated, engineered blend of specific amino acids for increased nitrogen fixation, chlorophyll production, energy production, and the production of anti-stress compounds.

**SUGGESTED RATES** 0.5–1.5 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

---

**Foliar-Pak Full Throttle**

**PRODUCT DESCRIPTION**
Foliar-Pak® Full Throttle provides quick relief to turf under stress. It drives density and lateral growth to enhance spring transition of warm season turf. Full Throttle improves winter damage or any damage from biotic and abiotic factors.

**SUGGESTED RATES** 1–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

---

**Foliar-Pak Gold Standard 45**

**PRODUCT DESCRIPTION**
Foliar-Pak® Gold Standard 45 is a 45% phosphite product completely complexed with amino acids. By leveraging the strengths of amino acids, molecules become more water soluble and allow for a highly concentrated, low-use rate product.

**SUGGESTED RATES** 0.5–2 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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**Foliar-Pak Grow-In**

**PRODUCT DESCRIPTION**
Foliar-Pak® Grow-In is an all-in-one product that provides a complete turfgrass establishment program with the convenience of one single product.

**SUGGESTED RATES** 9–12 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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**Foliar-Pak Manganese**

**PRODUCT DESCRIPTION**
Foliar-Pak® Manganese uses three natural and modified plant metabolites specific for protecting manganese and magnesium. Provides long-lasting color and increased turf health by increasing photosynthetic efficiency, prolonging the life of chloroplasts, and helping the plant produce anti-stress compounds.

**SUGGESTED RATES** 0.5–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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**Foliar-Pak Microsync**

**PRODUCT DESCRIPTION**
Foliar-Pak® Microsync is the ideal micronutrient addition for lawn care applications and is safe in spray tanks with broadleaf herbicides.

**SUGGESTED RATES** 1–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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**Foliar-Pak Minors**

**PRODUCT DESCRIPTION**
Foliar-Pak® Minors is the perfect micro package for sand-based soils. Contains a focused micronutrient and amino acid package designed to increase photosynthetic efficiency, prolong the life of chloroplasts, and produce anti-stress compounds.

**SUGGESTED RATES** 1–3 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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**Foliar-Pak Play-On**

**PRODUCT DESCRIPTION**
Foliar-Pak® Play-On takes the guesswork out of building a program for sports turf maintenance. Combines the foliar nutrients most necessary for in-season turfgrass success in one jug.

**SUGGESTED RATES** 7–15 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*
## Foliar & Soluble

### Foliar-Pak® Promote

**PRODUCT DESCRIPTION**
Foliar-Pak® 4–0–1 Promote is a foliar and soil product that contains sea plant extracts, humates and wetting agents. This unique combination helps maintain proper metabolic functions and will increase root growth. Promote improves plant performance in stressful weather by helping the plant use its natural defenses more effectively.

**SUGGESTED RATES** 2–12 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 22–0–4

**PRODUCT DESCRIPTION**
Foliar-Pak® 22–0–4 is a higher nitrogen true foliar option. 22–0–4 contains 25% controlled release nitrogen and is enhanced with iron and manganese for impressive lasting color.

**SUGGESTED RATES** 3–6 oz/1000, 5.5 oz delivers .1 lb of N

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 1–0–15

**PRODUCT DESCRIPTION**
Foliar-Pak® 1–0–15 is the summer stress solution! 1–0–15 delivers vital potassium to the plant, enhancing the ability to combat stress and disease. New amino acid package promotes increased nitrogen fixation, chlorophyll production, energy production, and the production of anti-stress compounds.

**SUGGESTED RATES** 3–15 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 30–0–0

**PRODUCT DESCRIPTION**
Foliar-Pak® 30–0–0 60% slowly available nitrogen is a superior nitrogen fertilizer that is safe and easy to handle.

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Nutrol

**PRODUCT DESCRIPTION**
Nutrol is a phosphate nutrient, 0–50–32 with a fungicide label against powdery mildew. Nutrol will also buffer tank pH and becomes a labeled fungicide when tank mixed with ArmorTech® 44 against pythium.

**LABEL RATE** 2–5 oz per 1000 sq. ft.

**PACKAGING SIZES** 5 x 8 lbs case

### Foliar-Pak® 11–0–11

**PRODUCT DESCRIPTION**
Foliar-Pak® 11–0–11 is comprised of 25% controlled release N for lasting color. The 1:1 N to K ratio is perfect for summer applications. New amino acid package promotes increased nitrogen fixation, chlorophyll production, energy production, and the production of anti-stress compounds.

**SUGGESTED RATES** 3–15 oz/1000, 11 oz delivers .1 lb of N.

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 14–2–4

**PRODUCT DESCRIPTION**
Foliar-Pak® 14–2–4 gives the plant instant and controlled feeding with 35% of the nitrogen being controlled release. 14–2–4 continues to impress days after the initial application. New amino acid package promotes increased nitrogen fixation, chlorophyll production, energy production, and the production of anti-stress compounds.

**SUGGESTED RATES** 3–15 oz/1000, 9 oz delivers .1 lb of N.

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 4–0–1

**PRODUCT DESCRIPTION**
Foliar-Pak® 4–0–1 Promote is a foliar and soil product that contains sea plant extracts, humates and wetting agents. This unique combination helps maintain proper metabolic functions and will increase root growth. Promote improves plant performance in stressful weather by helping the plant use its natural defenses more effectively.

**SUGGESTED RATES** 2–12 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 22–0–4

**PRODUCT DESCRIPTION**
Foliar-Pak® 22–0–4 is a higher nitrogen true foliar option. 22–0–4 contains 25% controlled release nitrogen and is enhanced with iron and manganese for impressive lasting color.

**SUGGESTED RATES** 3–6 oz/1000, 5.5 oz delivers .1 lb of N

**PACKAGING SIZES** 2 x 2.5 gallon case*

### Foliar-Pak® 1–0–15

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Foliar-Pak® 1–0–15 is the summer stress solution! 1–0–15 delivers vital potassium to the plant, enhancing the ability to combat stress and disease. New amino acid package promotes increased nitrogen fixation, chlorophyll production, energy production, and the production of anti-stress compounds.

**SUGGESTED RATES** 3–15 oz/1000

**PACKAGING SIZES** 2 x 2.5 gallon case*

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Foliar-Pak® 30–0–0 60% slowly available nitrogen is a superior nitrogen fertilizer that is safe and easy to handle.

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**SUGGESTED RATES** 3–15 oz/1000, 9 oz delivers .1 lb of N.

**PACKAGING SIZES** 2 x 2.5 gallon case*
Foliar–Pak® Colonise Bio **PROTECTED BY ARMAMENT**

**PRODUCT DESCRIPTION:** Foliar–Pak Colonise Bio is a highly specific blend of eight microorganisms, microbe food and nutrient enhancers. Colonise Bio is enhanced with Armament, AminoPrecise and Colonise technologies to target better nutrient uptake, plant resilience, rooting and turf playability.

**LABEL RATE:** 3 – 6 oz per 1000 sq. ft.

**PACKAGING SIZES:** 2 x 2.5 gallon case

Foliar–Pak® Colonise Bio LTO **PROTECTED BY ARMAMENT**

**PRODUCT DESCRIPTION:** Foliar–Pak Colonise Bio LTO provides a highly specific blend of microorganisms, microbe food and nutrient enhancers. This helps to promote color response, plant resilience and nutrient uptake.

**LABEL RATE:** 2 – 3 oz per 1000 sq. ft.

**PACKAGING SIZES:** 2 x 2.5 gallon case

Healthy Grow 10–3–2 **PROTECTED BY ARMAMENT**

**PRODUCT DESCRIPTION:** Healthy Grow 10–3–2 contains high levels of beneficial bacteria and fungi in the bag, without an ammonia smell. It has a homogeneous pellet, 180 SGN. HG 10–3–2 has versatility – broadcast applications on turf, incorporate at aeration, apply to established trees and shrubs. Armament technology improves efficiencies and increases nutrient uptake, encouraging a quick and long-lasting green up.

**LABEL RATE:** 3.4 – 4.6 lb per 1000 sq. ft.

**PACKAGING SIZE:** 50 lb bag

Healthy Grow 2–4–3 **PROTECTED BY ARMAMENT**

**PRODUCT DESCRIPTION:** Healthy Grow 2–4–3 is a 100% organic product which contains high levels of beneficial bacteria and fungi in the bag, without an ammonia smell. It has a homogeneous pellet, 180 SGN. HG 2–4–3 has versatility – broadcast applications on turf, incorporate at aeration, apply to established trees and shrubs. Armament technology improves efficiencies and increases nutrient uptake, encouraging a quick and long-lasting green up.

**LABEL RATE:** 5 – 10 lb per 1000 sq. ft.

**PACKAGING SIZE:** 50 lb bag

Healthy Grow 8–3–5 **PROTECTED BY ARMAMENT**

**PRODUCT DESCRIPTION:** Healthy Grow 8–3–5 contains high levels of beneficial bacteria and fungi in the bag, without an ammonia smell. It has a homogeneous pellet, 90 SGN, 180 SGN. HG 8–3–5 has versatility – broadcast applications on turf, incorporate at aeration, apply to established trees and shrubs. Armament technology improves efficiencies and increases nutrient uptake, encouraging a quick and long-lasting green up.

**LABEL RATE:** 3.4 – 5 lb per 1000 sq. ft.

**PACKAGING SIZE:** 50 lb bag
Sometimes the answer to anthracnose is a four-letter word.

PCNB. It’s been around awhile. But discovering that it controls anthracnose at highly effective levels? That’s news. AMVAC’s breakthrough premix of PCNB and tebuconazole, Premion fungicide, is getting attention. Formerly called Oreon, Premion delivers multiple modes of action against anthracnose. And it’s just one of many answers to come from AMVAC that are worth talking about.
CHEMICALS
# Fungicide Chemical Group Guide

<table>
<thead>
<tr>
<th>Chemical Class</th>
<th>Mode of Action</th>
<th>Common Name</th>
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<tr>
<td><strong>2, 6 Dinitroanilines</strong></td>
<td>Respiration</td>
<td>Binapacryl meptyldinocap dinocap, fluzinam, fermizone</td>
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<tr>
<td><strong>Aromatic Hydrocarbons</strong></td>
<td>Lipids and membrane synthesis</td>
<td>Quintozene, Chloroneb</td>
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<tr>
<td><strong>Benzamides</strong></td>
<td>Mitosis and cell division</td>
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<tr>
<td><strong>Carbamates</strong></td>
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<td>Propamocarb, Banol, Proplant</td>
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<td><strong>Chloronitriles</strong></td>
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<td>Chlorothalonil, ArmorTech® CLT 825, ArmorTech® CLT 720</td>
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<td><strong>Demethylation Inhibitors (DMI)</strong></td>
<td>Sterol biosynthesis in membranes</td>
<td>Propiconazole, Tebuconazole, Myclobutanil, Triticinazole, Metconazole</td>
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<td><strong>Dicarboximides</strong></td>
<td>Signal transduction</td>
<td>Iprodione, Vinlozolin</td>
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<tr>
<td><strong>Dithiocarbamates</strong></td>
<td>Multi-site contact</td>
<td>Mancozeb, Fore®, Junction, Pentathalon</td>
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<tr>
<td><strong>Methyl Benimidazole Carbamates</strong></td>
<td>Mitosis and cell division</td>
<td>Thiophanate-methyl, ArmorTech® TM 462, ArmorTech® TMI 2020 XL</td>
</tr>
</tbody>
</table>
| **Phenylamides** | **MODE OF ACTION:** Nucleic acid synthesis  
**COMMON NAME:** Mefenoxam  
**BRAND NAME:** Mefenoxam AQ  
**RESISTANCE RISK:** High |
|---|---|
| **Phosphonates** | **MODE OF ACTION:** Unknown  
**COMMON NAME:** Phosphorous acid and salts  
**BRAND NAME:** ArmorTech® 44, ArmorTech® 28  
**RESISTANCE RISK:** Low |
| **Polyoxins** | **MODE OF ACTION:** Glucan synthesis  
**COMMON NAME:** Polyoxin  
**BRAND NAME:** Affirm, Endorse  
**RESISTANCE RISK:** Medium |
| **Quinone Outside Inhibitors (QOL)** | **MODE OF ACTION:** Respiration  
**COMMON NAME:** Fluoxastrobin, Pyraclostrobin  
**BRAND NAME:** Fame, Insignia, Intrinsic, ArmorTech® ZOXY®  
**RESISTANCE RISK:** High |
| **Succinate Dehydrogenase Inhibitors** | **MODE OF ACTION:** Respiration  
**COMMON NAME:** Boscalid, Xzemplar®  
**BRAND NAME:** Emerald  
**RESISTANCE RISK:** Medium |

This is a general mixing order that minimizes the likelihood of pesticides inter-reacting with each other. From mixing first to last, mix:

1. WETTABLE POWDERS
2. DISPEROSIBLE GRANULES
3. FLOWABLES
4. EMULSIFIABLE CONCENTRATES
5. SOLUTIONS

The mixture should be agitated after each addition.
Fungicides

26GT
PRODUCT DESCRIPTION: Broad-spectrum local systemic Iprodione.
LABEL RATE: 3 – 8 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 2.5 gallon case

Affirm
PRODUCT DESCRIPTION: WDG formulation of polyoxin-D.
LABEL RATE: 0.88 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 2.4 lbs case

ArmorTech® CLT 720 FL
PRODUCT DESCRIPTION: A liquid flowable fungicide that offers curative and preventative disease protection against major turf and ornamental diseases. Contains Chlorothalonil.
LABEL RATE: Turf – 2 – 5.5 oz per 1000 sq. ft.
PACKAGING SIZES: 1 – 2.5 quarts per acre

ArmorTech® CLT 825 DF
PRODUCT DESCRIPTION: A dry flowable fungicide, provides broad spectrum disease control for cool and warm season grasses, trees, shrubs and flowers. Contains Chlorothalonil.
LABEL RATE: Turf – 2 – 5 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 5 lbs case or 4 x 10 lbs case

ArmorTech® IP 238
PRODUCT DESCRIPTION: Provides extended disease control with contact and locally systemic modes of activity. Contains Iprodione.
LABEL RATE: Turf – 2 – 8 oz per 1000 sq. ft., Ornamentals – 1 – 2.5 quarts per acre
PACKAGING SIZES: 2 x 2.5 gallon case

ArmorTech® PPZ 143
PRODUCT DESCRIPTION: Broad-spectrum water based flowable fungicide containing Propiconazole. For disease control in both cool and warm season turfgrass.
LABEL RATE: Turf – 0.5 – 2 oz per 1000 sq. ft., Ornamentals – 2 – 24 oz per gallon
PACKAGING SIZES: 4 x 1 gallon case, 2 x 2.5 gallon case

ArmorTech® Rotator
PRODUCT DESCRIPTION: A uniquely formulated suspension concentrate containing fluazinam, delivering on–contact multi–site protection against difficult to manage turf diseases including dollar spot, brown patch, anthracnose and snow molds. With a FRAC 29 classification and no known resistance issues, Rotator is the ideal partner for disease resistance management programs.
LABEL RATE: 0.5 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 1 gallon case

ArmorTech® TEB 360
PRODUCT DESCRIPTION: A flowable formulation of Tebuconazole. Tebuconazole is one of the newest (sterol inhibitor or “DMI”) fungicides available in the golf turf market. Tebuconazole shows efficacy at low rates against a wide variety of turfgrass diseases.
LABEL RATE: Turf – 0.6 oz per 1000 sq. ft., Ornamentals: 4 – 10 oz per 100 gallons
PACKAGING SIZES: 2 x 1 gallon case

ArmorTech® TM 462
PRODUCT DESCRIPTION: A 46.2% flowable thiophanate–methyl systemic fungicide with curative and preventative disease protection against many major turf diseases.
LABEL RATE: Turf – 2 – 5.3 oz per 1000 sq. ft., Ornamentals – 10.75 – 20 oz per 100 gallons
PACKAGING SIZES: 2 x 2.5 gallon case

ArmorTech® TMI 2020 XL
PRODUCT DESCRIPTION: Prevents and controls fungal diseases on ornamental plants and turfgrass. Contains Iprodione and Thiophanate Methyl.
LABEL RATE: 1 – 4 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 2.5 gallon case

ArmorTech® ZOXY–PG®
PRODUCT DESCRIPTION: 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.
LABEL RATE: 0.38 – 0.77 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 1 gallon case, 4 x 1 quart case

ArmorTech® ZOXY® 2F
PRODUCT DESCRIPTION: Controls many important turfgrass diseases. Water–based, highly concentrated liquid formula contains 2.08 lbs of azoxystrobin per gallon.
LABEL RATE: 0.38 – 0.77 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 1 gallon case, 4 x 1 quart case

ArmorTech® ZOXY® T
PRODUCT DESCRIPTION: A synergistic combination golf course fungicide, combining some of the best turf fungicide technologies in the market: Azoxystrobin and Tebuconazole. Provides wide–spectrum control of everything from patch diseases, anthracnose, snow molds, foliar diseases like dollar spot and soil–borne pathogens like pythium.
LABEL RATE: 0.5 – 1.5 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 1 gallon case

Bayer® Armada
PRODUCT DESCRIPTION: Broad–spectrum control and protection against turf and ornamental diseases. Contains Trifloxystrobin and Triadimefon.
LABEL RATE: 1.2 – 1.5 oz per 1000 sq. ft.
PACKAGING SIZES: 6 x 2 lb gallon case, 4 x 1 quart case

Banol
PRODUCT DESCRIPTION: Delivers preventive and curative protection for Pythium blight, Pythium root rot and Pythium root with no documented cases of resistance in turf. Flowable propamocarb.
LABEL RATE: 1.3 – 4 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 1 gallon case

Bayleton 100 Fungicide
PRODUCT DESCRIPTION: Broad spectrum systemic fungicide for control of many turfgrass diseases. A 1 % triadimefon granule formulation.
LABEL RATE: 1.5 – 6 lbs per 1000 sq. ft.
PACKAGING SIZES: 30 lbs

Compass 50 WG
PRODUCT DESCRIPTION: Broad–spectrum strobilurin fungicide that delivers the value of a contact with the power of a systemic.
LABEL RATE: 0.1 – 0.25 oz per 1000 sq. ft.
PACKAGING SIZES: 4 x 1 lb case

E–Scape ETQ
PRODUCT DESCRIPTION: Combination systemic and contact fungicide product. Tebuconazole + chlorothalonil + ETQ pigment controls a broad range of disease.
LABEL RATE: 2.57 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 2.5 gallon case

NEW
Xzemplar® fungicide
Stay dollar-spotless

The days of spraying your fairways every two weeks for dollar spot are over. **Xzemplar** fungicide provides immediate knockdown plus one of the longest residuals in the industry – up to 28 days. To ensure dollar-spotless fairways, include **Xzemplar** fungicide in your spray program three times per year. For superintendents across the country, it’s the go-to fungicide for dollar spot.

Visit betterturf.basf.us for details, and get clean fairways your players will love.
**Fungicides**

E–Pro ETQ  
**PRODUCT DESCRIPTION:** 28% chlorothalonil, 14% iprodione  
**LABEL RATE:** 4 – 6 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Eagle® 20EW  
**PRODUCT DESCRIPTION:** Provides excellent control of dollar spot and brown patch and is labeled for use on major turf varieties, landscape ornamentals, and backyard fruit trees and vines.  
**LABEL RATE:** 2.4 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 4 x 16 oz case, 1 gallon

Echo Dyad ETQ  
**PRODUCT DESCRIPTION:** Flowable chlorothalonil plus green pigment.  
**LABEL RATE:** 4.17 lbs of chlorothalonil per gallon.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Emerald®  
**PRODUCT DESCRIPTION:** Effectively controls dollar spot that has developed resistance to other fungicides and provides unprecedented dollar spot control in virtually every major turf species and in every region of the United States. Also controls bentgrass deadspot disease.  
**LABEL RATE:** 0.18 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 10 x 0.49 lbs case*, 50 x 0.49 lbs case

Exteris® Stressgard®  
**PRODUCT DESCRIPTION:** Combination SDHI and strobilurin fungicide with Stressgard.  
**LABEL RATE:** 1.5 – 12.6 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Fame™ SC  
**PRODUCT DESCRIPTION:** A suspension concentrate fungicide containing fluoxastrobin and provides rapid foliar and root uptake with xylem and translaminar movement.  
**LABEL RATE:** Turf – 0.09 – 0.36 oz per 1000 sq. ft., Ornamentals – 1 – 8 oz per 100 gallons  
**PACKAGING SIZES:** 4 x 16 oz case

Fame™ +C  
**PRODUCT DESCRIPTION:** A suspension concentrate fungicide that combines the systemic activity of fluoxastrobin and the contact action of chlorothalonil to provide a complete turf fungicide premix.  
**LABEL RATE:** Turf – 0.09 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Fiata® Stressgard®  
**PRODUCT DESCRIPTION:** Systemic phosphoric acid fungicide with Stressgard.  
**LABEL RATE:** 5 – 15 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Fore® 80WP Rainshield®  
**PRODUCT DESCRIPTION:** Cost–effective control of brown patch and many other troublesome diseases. Wettable powder in water–soluble packets.  
**LABEL RATE:** 4 – 8 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 4 x 1.5 lb

Fungicide VII  
**PRODUCT DESCRIPTION:** Broad spectrum systemic fungicide for control of many turfgrass diseases. A 0.59 % triadimefon DG Pro granule formulation.  
**LABEL RATE:** 1.32 – 5.3 lbs per 1000 sq. ft.  
**PACKAGING SIZES:** 29.18 lbs

Honor® Intrinsic®  
**PRODUCT DESCRIPTION:** Combination of pyraclostrobin, the active ingredient in Insignia® fungicide, and boscalid, the active ingredient in Emerald® fungicide.  
**LABEL RATE:** 1.1 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 6 x 3 lbs case, 36 lb keg*

Insignia SC Intrinsic®  
**PRODUCT DESCRIPTION:** Controls an exceptionally broad spectrum of turf diseases with long-term results. In addition to disease control, Insignia SC Intrinsic® brand fungicide also offers plant health benefits.  
**LABEL RATE:** 0.7 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gal case, 4 x 30.5 oz*, 4 x 122 oz*

Interface® Stressgard®  
**PRODUCT DESCRIPTION:** Combination iprodione and strobilurin fungicide with Stressgard.  
**LABEL RATE:** 2 – 7 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Junction  
**PRODUCT DESCRIPTION:** DF formulation of mancozeb and copper. Contact fungicide for turf and ornamentals.  
**LABEL RATE:** Turf – 2 – 4 oz per 1000 sq. ft., Ornamentals – 1.5 – 3.5 lbs per acre  
**PACKAGING SIZES:** 4 x 6 lbs case

Lexicon™ Intrinsic®  
**PRODUCT DESCRIPTION:** Control of the toughest turfgrass diseases, including brown patch, dollar spot, fairy ring, pythium root dysfunction and 22 other diseases.  
**LABEL RATE:** 15 – 21 oz per acre  
**PACKAGING SIZES:** 4 x 21 oz case

Nordox® 75 WG  
**PRODUCT DESCRIPTION:** A unique 75% copper oxide fungicide to control a broad spectrum of diseases, including fire blight.  
**LABEL RATE:** 0.67 – 2.5 lbs per 100 gallon  
**PACKAGING SIZES:** 12.5 lb bag

Mirage® Stressgard®  
**PRODUCT DESCRIPTION:** Tebuconazole DMI fungicide with Stressgard.  
**LABEL RATE:** 1 – 2 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

Pageant® Intrinsic® Brand Fungicide  
**PRODUCT DESCRIPTION:** Broad–spectrum fungicide combining two fast–acting active ingredients, boscalid and Pyraclostrobin. Provides plant health benefits such as improved tolerance to stress and increased efficiency of plant processes.  
**LABEL RATE:** 4 – 18 oz / 100 gallons  
**PACKAGING SIZES:** 4 x 16 oz case
PROTECTION THAT STAYS PUT

With Leaf-Cote™ Technology, Exteris Stressgard offers improved product retention on the leaf surface – sticking where it’s needed most – at the site of fungal activity. If you’re looking to stress less over managing foliar diseases on your fairways, Exteris has your turf covered.

Get more coverage at backedbybayer.com/exteris-stressgard

@BayerGolf
When your course is in the spotlight, you need fast-acting disease control

Protect your turf from tough-to-control diseases with Fame® Fungicides

- **Faster Results:** Fame Fungicides work within minutes of application, quickly protecting your prized turf on all fronts.
- **A Technologically Advanced Strobilurin:** The AI in Fame Fungicides, Fluoxastrobin, has been chemically engineered for efficient Xylem mobility, protecting both new and mature plant growth.
- **Improved Plant Health:** Fame Fungicides provide plant health benefits that improve turf root structure.
- **Broad Disease Protection:** Fame Fungicides provide industry-standard protection against tough diseases such as Brown Patch, Anthracnose, Dollar Spot, Snow Mold and more.

@FMCturf FMCturf

fmcprosolutions.com fmcturfwire.com
When your course is in the spotlight, you need fast-acting disease control

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fmcprosolutions.com
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FUNGICIDES

Pillar G Intrinsic® Brand Fungicide
PRODUCT DESCRIPTION: Combination of pyraclostrobin, the active ingredient in Insignia® fungicide, and triticonazole, the active ingredient in Trinity® fungicide, on a granular carrier.
LABEL RATE: 3 lbs per 1000 sq. ft
PACKAGING SIZES: 30 lbs

Prophesy 0.72 DG Pro (Propiconazole)
PRODUCT DESCRIPTION: Systemic fungicide that prevents and controls dollar spot, brown patch, summer patch, rust, and other diseases.
LABEL RATE: 1.5 – 4.5 oz per 1000 sq. ft
PACKAGING SIZES: 40 lbs

Prostar® WG
PRODUCT DESCRIPTION: Locally systemic fungicide especially effective on basidiomycete fungi.
LABEL RATE: 1.5 – 4 oz per 1000 sq. ft
PACKAGING SIZES: 4 x 3 lb case

Quali–Pro® Chlorothalonil 500 ZN
PRODUCT DESCRIPTION: Flowable Chlorothalonil plus Zinc.
LABEL RATE: 3 – 5 oz per 1000 sq. ft
PACKAGING SIZES: 2 x 2.5 gallon case

Quali–Pro® Enclave®
PRODUCT DESCRIPTION: Broad–spectrum fungicide delivers effective, long–lasting protection from anthracnose, brown patch, dollar spot, snow mold and broad range of ornamental diseases.
LABEL RATE: 3 – 4 lbs per 1000 sq. ft
PACKAGING SIZES: 2 x 2.5 gallon case

Quali–Pro® Mefenoxam AQ
PRODUCT DESCRIPTION: Flowable water based Mefenoxam.
LABEL RATE: 0.2 – 1 oz per 1000 sq. ft
PACKAGING SIZES: 2 x 1 gallon case, 2 x 2.5 gallon case

Quali–Pro® TM/C
PRODUCT DESCRIPTION: All purpose fungicide with both systemic and contact fungicidal activity. Provides long lasting broad spectrum disease control for turf, nursery and ornamental use.
LABEL RATE: 2–8 oz per 1000 sq. ft
PACKAGING SIZES: 4 x 5 lbs case

Reliant® Systemic Fungicide
PRODUCT DESCRIPTION: Controls diseases such as: Phytophthora, Phytophthora ramorum (SOD), pythium, apple scab and many other plant pathogens.
LABEL RATE: See Label
PACKAGING SIZES: 2 x 2.5 gallon case

Segway®
PRODUCT DESCRIPTION: The active ingredient of Segway, cyazofamid, has a unique mode of action that preventively inhibits all stages of Pythium development. (Pythium root dysfunction, Pythium blight, and Pythium damping–off)
LABEL RATE: Turf – 0.45 – 0.9 oz per 1000 sq. ft,
Ornamentals – 1.5 – 6 oz per 100 gal
PACKAGING SIZES: 39.2 fl oz

Signature® Xtra Stressgard®
PRODUCT DESCRIPTION: Liquid formulation of Aluminum Triis systemic fungicide with Stressgard.
LABEL RATE: 2 – 6 oz per 1000 sq. ft
PACKAGING SIZES: 2 x 2.5 gallon case

Stellar
PRODUCT DESCRIPTION: Systemic fungicide for the control of pythium diseases.
LABEL RATE: 1.2 oz per 1000 sq. ft
PACKAGING SIZES: 4 x 104 oz case

Tartan® Stressgard®
PRODUCT DESCRIPTION: Combination DMI and strobilurin fungicide with Stressgard.
LABEL RATE: 1 – 2 oz per 1000 sq. ft
PACKAGING SIZES: 2 x 2.5 gallon case

Tourney
PRODUCT DESCRIPTION: DMI fungicide with broad spectrum control of most turf and ornamental diseases.
LABEL RATE: Turf – 0.18 – 0.37 oz per 1000 sq. ft,
Ornamentals – 1 – 4 oz per 100 gallons
PACKAGING SIZES: 4 x 5 lbs case

Trinity®
PRODUCT DESCRIPTION: Delivers unbeatable value for controlling a broad spectrum of diseases, even during the summer stress period.
LABEL RATE: 0.5 – 2.0 oz per 1000 sq. ft
PACKAGING SIZES: 2 x 2.5 gallon case

Xzemplar®
PRODUCT DESCRIPTION: Provides ultimate control over dollar spot – curatively and preventively – on fairways, tees and greens. It combines the fast–stopping power of a contact fungicide with long–lasting preventative action.
LABEL RATE: 7 – 11.4 oz per acre
PACKAGING SIZES: 2 x 114 oz case
Segway® Fungicide SC sinks Pythium disease!

Missing a two-foot putt is maddening, but seeing Pythium destroy healthy turf can drive you over the edge. Stop it with Segway® Fungicide SC.

Segway delivers outstanding protection against Pythium disease, including root dysfunction, blight, damping-off, and root rot. Segway lasts up to 28 days, and has no known cross-resistance with existing fungicides, making it ideal for your rotation program.

We can’t help you with your short game, but we can help you stop Pythium: Segway.

For more information contact Bret Rush at 317.432.6195.

PBI Gordon Turf.com
### ACTIVE INGREDIENT COMPARISON HERBICIDE GUIDE

<table>
<thead>
<tr>
<th>Product</th>
<th>Summary</th>
<th>2,4-D</th>
<th>MCPA</th>
<th>MCPP-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Speed™ XT</td>
<td>Selective broadleaf herbicide for use in turf. Contains 2,4-D ester, triclopyr, dicamba, and pyraflufen for control of tough broadleaf weeds.</td>
<td>2.29</td>
<td></td>
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</tr>
<tr>
<td>ArmorTech® SureZone®</td>
<td>A proprietary post emergent herbicide containing four active ingredients. Better cool weather performance and warm season applications up to 90°F.</td>
<td>1.36</td>
<td>0.49</td>
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<tr>
<td>ArmorTech® Tetra®</td>
<td>Premium herbicide containing 2,4-D, Fluroxypyr, Triclopyr and Flumioxazin used for fast, selective weed control in ornamental lawns and turfgrasses. The ester formulation provides excellent control for difficult-to-manage weeds including ground ivy and wild violet</td>
<td>2.19</td>
<td></td>
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<tr>
<td>ArmorTech® Threesome®</td>
<td>Time-tested formulation. Sets the standard for selective broadleaf weed control for turfgrass including use on sod farms.</td>
<td>2.38</td>
<td>0.63</td>
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<tr>
<td>Boulder 6.3</td>
<td>Control of woody plants, annuals, and perennial broadleaf weeds in forests, grass pastures, rangeland, CRP areas, rights-of-way, and in non-crop areas and ornamental turf.</td>
<td></td>
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</tr>
<tr>
<td>Confront</td>
<td>A non-phenoxy herbicide, Confront specialty herbicide is ideal for high-use areas including golf courses, parks, commercial grounds and other public facilities. Confront provides effective post-emergence control of a wide variety of broadleaf weeds.</td>
<td></td>
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<tr>
<td>Cool Power®</td>
<td>Unique non 2,4-D ester formulation. Contains triclopyr, which helps on tough weeds like wild violet and ground ivy. Great cool weather performance.</td>
<td>3.0</td>
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<tr>
<td>Escalade® 2</td>
<td>Take down tough weeds. Labeled for use almost anywhere, anytime. Very flexible! Reduces call-backs saving time, credibility, and money.</td>
<td>3.2</td>
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</tr>
<tr>
<td>Horsepower®</td>
<td>Ideal for tough-to-control weeds, like ground ivy, in hot weather conditions. Can be used when 2,4-D limits have been reached. Picks up where Cool Power leaves off.</td>
<td>3.80</td>
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<tr>
<td>Millennium™ Ultra II</td>
<td>An effective herbicide offering superior clover control for golf course and non-residential settings.</td>
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<tr>
<td>Q4® Plus</td>
<td>For the control of crabgrass, yellow nutsedge and certain grassy weeds, and for control of troublesome broadleaf weed species in cool-season and bermudagrass turf.</td>
<td>0.88</td>
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<tr>
<td>SpeedZone®</td>
<td>Fast post emergent weed control, visible reaction in hours, rain fast in 3 hours. Ester formulation provides good cool weather performance.</td>
<td>1.53</td>
<td>0.48</td>
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<tr>
<td>Surge®</td>
<td>Fast warm weather weed control; reaction is two times faster than other amines. It also provides yellow nutsedge suppression.</td>
<td>1.40</td>
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<tr>
<td>Triclopyr 4 EC</td>
<td>Broad spectrum herbicide to control select woody brush and broadleaf weeds.</td>
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<tr>
<td>Triplet® Low Odor</td>
<td>The proven performance of a three-way herbicide with lower odor. Proprietary surfactant package specifically designed for the demands of low volume spray equipment.</td>
<td>2.38</td>
<td>0.63</td>
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<tr>
<td>Trimec® 1000</td>
<td>Low odor formulation that provides economical control of deep rooted perennials. Improved broadleaf weed control from dual 2,4-D technology.</td>
<td>2.37</td>
<td>0.65</td>
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<tr>
<td>TZone® SE</td>
<td>Effectively penetrates the cuticle to control even the toughest broadleaf weeds including wild violet, ground ivy, speedwell, clover, and more.</td>
<td>1.75</td>
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</table>

4-Speed, Cool Power, Escalade, Horsepower, Millennium, Q4, Quincept, and Triplet are registered trademarks of NuFarm Specialty Products. 2,4-D Herbicide is a product of QuakPro. ArmorTech, SureZone, Tetra, and Threesome are registered trademarks of UPL.
<table>
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<tr>
<th>triclopyr</th>
<th>dicamba</th>
<th>fenoxaprop</th>
<th>fluroxypyr</th>
<th>clopyralid</th>
<th>pyraflufen</th>
<th>carfentrazone</th>
<th>sulfentrazone</th>
<th>quinclorac</th>
<th>flumioxazin</th>
<th>Total lb of A.I.</th>
<th>Rate per Acre</th>
<th>Rate per 1,000 Square Feet</th>
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<td>3.23</td>
<td>2.0-4.0 pt</td>
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<td>2.51</td>
<td>2.0-3.0 pt</td>
<td>1.1-1.5 fl oz</td>
</tr>
</tbody>
</table>

*Always read and follow the product label for specific uses, rates and precautions.*
HERBICIDES

2,4-D Amine
PRODUCT DESCRIPTION: For control of many broadleaf weeds and brush control in pastures, rangelands, and other listed crops and in non-crop areas such as lawns, ornamental turf, drainage ditch banks, fence rows and rights-of-way. Also for aquatic weed control, control of trees by injection, and tank mixes.
LABEL RATE: See label
PACKAGING SIZES: 2.5 gallon jug, 30 gallon drum

4 Speed XT
PRODUCT DESCRIPTION: Selective broadleaf herbicide for use in turf. Contains 2,4-D ester, triclopyr, dicamba, and pyraflufen for control of tough broadleaf weeds.
LABEL RATE: 1.1 – 1.5 oz per 1000 sq. ft.
PACKAGING SIZES: 2.5 gallon jug, 30 gallon drum

Acclaim® Extra
PRODUCT DESCRIPTION: Post-emergent control of crabgrass and goosegrass.
LABEL RATE: See label
PACKAGING SIZES: 4 x 1 gallon case

ArmorTech® Kade 65 WDG
PRODUCT DESCRIPTION: A water dispersible granular formulation of the pre-emergent herbicide Prodiamine. Broad spectrum control for annual grasses and broadleaf weeds in turfgrass and ornamental plantings.
LABEL RATE: 0.5 – 2.3 lbs per acre
PACKAGING SIZES: 4 x 5 lbs case

ArmorTech® Quin Pro
PRODUCT DESCRIPTION: Contains quinclorac. Post emergent weed eradication against crabgrass, dollarweed, clover, dandelion, speedwell, foxtail, violet, and more.
LABEL RATE: See label
PACKAGING SIZES: 6 x 1 lb case

ArmorTech® SureZone
PRODUCT DESCRIPTION: SureZone, (sulfentrazone, 2,4-D amine, dicamba, MCPP) is a fast acting selective herbicide with outstanding control of summer annual broadleaf weeds and suppression of Nutsedge.
LABEL RATE: 1 – 1.65 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 2.5 case, 55 gallon drum

ArmorTech® TETRA
PRODUCT DESCRIPTION: TETRA is a premium herbicide containing 2,4-D, Fluroxypyr, Triclopyr and Flumioxazin used for fast, selective weed control in ornamental lawns and turfgrasses. The ester formulation provides excellent control for difficult-to-manage weeds including ground ivy and wild violet.
LABEL RATE: 1 – 1.65 oz per 1000 sq. ft.
PACKAGING SIZES: 2 x 2.5 case, 55 gallon drum

ArmorTech® Threesome®
PRODUCT DESCRIPTION: A three way selective broadleaf herbicide containing 2,4-D, Dicamba and Mecoprop-P. Used to selectively remove a wide variety of broadleaf weeds in golf, lawn care and sod farms.
LABEL RATE: 0.67 – 1.5 oz per 1000 sq. ft
PACKAGING SIZES: 2.5 gallon, 30 gallon, 55 gallon

ArmorTech® Trione
PRODUCT DESCRIPTION: Pre and post-emergence control of grassy and broadleaf weeds. Contains mesotrione (40%). Used during turf establishment and renovation projects.
LABEL RATE: See label
PACKAGING SIZES: 2.5 gallon, 4 x 64 oz bottles, 12 x 8 oz bottles

Basagran® T/O
PRODUCT DESCRIPTION: Offers reliable, cost-effective postemergent control of yellow nutsedge and annual sedges, and troublesome broadleaf weeds such as dayflower, purslane, and lawn burweed. It can also provide weed control in container and field-grown ornamentals.
LABEL RATE: 2 pints per acre
PACKAGING SIZES: 2 x 1 gallon case*

Blindside
PRODUCT DESCRIPTION: Post emergent herbicide that controls sedges and many broadleaf weeds through foliar and root uptake stopping the reproductive structures of target weeds as they germinate.
LABEL RATE: TF and KY – 3.25 – 6.5 oz per acre, Warm Season – 6.5 – 10.0 oz per acre
PACKAGING SIZES: 0.5 oz bottle

Boulder 6.3
PRODUCT DESCRIPTION: Control of woody plants, annuals, and perennial broadleaf weeds in forests, grass pastures, rangeland, CRP areas, rights-of-way, and in non-crop areas and ornamental turf.
LABEL RATE: See label.
PACKAGING SIZES: 2 x 2.5 gallon case

BroadStar Herbicide
PRODUCT DESCRIPTION: Broad spectrum pre-emergent granular herbicide for use in nursery and landscape ornamentals. Very long lasting control.
LABEL RATE: 3.44 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Celsius WG
PRODUCT DESCRIPTION: Controls more than 150 weeds, including many difficult-to-control broadleaf and grassy weeds in warm season turf.
LABEL RATE: See label
PACKAGING SIZES: 4 x 10 oz case

Celero
PRODUCT DESCRIPTION: Celero is a post emergent herbicide for control of difficult sedges and selet broadleaf weeds in established turfgrass.
LABEL RATE: 0.75 – 1.25 oz per 1000 sq. ft.
PACKAGING SIZES: 1 lb bottle

Cool Power
PRODUCT DESCRIPTION: Cool Power is an ester formulation three-way herbicide that contains no 2,4-D. Formulated for improved control of broadleaf weeds in the cool weather.
LABEL RATE: 0.91 – 1.29 oz per 1000 sq. ft.
PACKAGING SIZES: 2.5 gallon jug, 30 gallon drum
Confront®
PRODUCT DESCRIPTION: A non-phenoxy herbicide. Confront specialty herbicide is ideal for high-use areas including golf courses, parks, commercial grounds and other public facilities. Confront provides effective post-emergence control of a wide variety of broadleaf weeds.
LABEL RATE: 1.5 pints per acre
PACKAGING SIZES: 2 x 1 gallon case
Cruise Control®
PRODUCT DESCRIPTION: A selective broadleaf herbicide for the control of weeds in specific crops, non-croplands and established turf. A water-soluble formulation that can be sprayed or applied with liquid fertilizers as the carrier.
LABEL RATE: 1 lb per acre
PACKAGING SIZES: 2.5 gallon
Defendor®
PRODUCT DESCRIPTION: When it's too cold for other herbicides to be effective, Defendor specialty herbicide provides early season control of unsightly dandelions, clover and other annual and perennial broadleaf weeds.
LABEL RATE: 4 oz per acre
PACKAGING SIZES: 1 quart, Combo Pack: Dimension+Defendor: 2 x 2 gallon case Dimension and 4 x 1 quart Defendor
Dimension® 0.25 DG Pro
PRODUCT DESCRIPTION: Pre-emergent granular herbicide for control of grassy and some broadleaf weeds in ornamentals and turf.
LABEL RATE: 2.4 – 4.6 lbs per 1000 sq. ft
PACKAGING SIZES: 50 lbs bag
Dimension® 2EW
PRODUCT DESCRIPTION: Provides preemergence and early postemergence control of crabgrass, goosegrass, foxtail, spurge and Poa annua in a water-based formulation.
LABEL RATE: 12 – 32 oz per acre
PACKAGING SIZES: 2 x 2.5 gallon case, 64 oz, Combo Pack: 2 x 2 gallon case Dimension and 4 x 1 quart Defendor
Dismiss
PRODUCT DESCRIPTION: Dismiss not only attacks the weed on the surface, but it also penetrates the soil and helps to control sedge tubers.
LABEL RATE: Cool Season – 4 – 8 oz per acre, Warm Season – 8 – 12 oz per acre
PACKAGING SIZES: 6 oz, 64 oz*
Dismiss NXT
PRODUCT DESCRIPTION: Combines two PPO-inhibiting herbicides to increase tuber mortality on various sedges. Provides long-term control with both warm and cool season turf.
LABEL RATE: Cool Season – 5.1 – 10.2 oz per acre, Warm Season – 10.2 – 15.25 oz per acre
PACKAGING SIZES: 6 oz, 64 oz*
Dismiss South
PRODUCT DESCRIPTION: Quick results against green kyllinga, yellow nutsedge and enhanced efficacy against purple nutsedge.
LABEL RATE: 9.5 – 14.4 oz per acre
PACKAGING SIZES: 16 oz*
Diuron 80 DF
PRODUCT DESCRIPTION: Broad spectrum pre-emergent herbicide for use in industrial vegetation control as well as certain crops.
LABEL RATE: 1 – 10 lbs per acre
PACKAGING SIZES: 5 lbs bottle
Drive® XLR8
PRODUCT DESCRIPTION: A proprietary, water-based formulation provides superior control of crabgrass, torpedograss, kikuyugrass, several broadleaves including clover, and numerous other troublesome weeks. It is rainfast in less than an hour and provides outstanding residual control for up to 30 to 45 days with a single application.
LABEL RATE: 4 pints per acre
PACKAGING SIZES: 4 x 0.5 gallon case
Echelon
PRODUCT DESCRIPTION: Pre- emergence and post-emergence control of sedges and a variety of broadleaf and grass weeds.
LABEL RATE: 8 – 36 oz per acre
PACKAGING SIZES: 1 gallon*
Everett
PRODUCT DESCRIPTION: Low volatile broadleaf weed and brush herbicide controls unwanted weeds and woody plants.
LABEL RATE: 0.75 to 3 fl oz per 1000 sq. ft
PACKAGING SIZES: 2.5 gallon jug, 30 gallon drum
Finale®
PRODUCT DESCRIPTION: Fast, non-selective control of a multitude of emerged annual and perennial grasses.
LABEL RATE: See label
PACKAGING SIZES: 2 x 2.5 gallon case
Freehand® 1.75G
PRODUCT DESCRIPTION: The combination of dimethenamid-P, a new active ingredient for use in landscape ornamentals, and the proven power of pendimethalin offers a broader range of control. It is the perfect tool for preemergent weed control of annual grasses, susceptible sedge species, and many small-seeded broadleaf weeds.
LABEL RATE: 2.3 – 4.6 lbs per 1000 sq. ft
PACKAGING SIZES: 50 lbs bag
Boulder 6.3
Higher Performance.
Lower Volatility.

Boulder 6.3 Herbicide from Alligare is your go-to product for the control of woody plants, annual and perennial broadleaf weeds in range & pasture, forests, non-irrigation ditch banks, and rights-of-ways. For more on Boulder 6.3 and other Alligare products, call (334) 741-9393 or visit Alligare.com

CATEGORY: Forestry, Industrial Bare Ground/RXR Range&Pasture, Roadside/Right of Way
ACTIVE INGREDIENT: Triclopyr BEE 83.9%
PRODUCT: Boulder 6.3 Herbicide
**Gallery SC®**  
**PRODUCT DESCRIPTION:** Specialty herbicide providing superior preemergence broadleaf weed control with best-in-class ornamental and turf safety. Prevents the hassle of callbacks, minimizes costly hand-weeding and reduces the need for re-treatment.  
**LABEL RATE:** 1 lb per acre  
**PACKAGING SIZES:** 1 lb bottle

**Grassout Max**  
**PRODUCT DESCRIPTION:** Grass controlling post-emergent herbicide safe for flowers, shrubs, and other broadleaf plants. Must use an adjuvant with it.  
**LABEL RATE:** 16 – 24 oz per acre  
**PACKAGING SIZES:** 1 quart bottle.

**Horsepower®**  
**PRODUCT DESCRIPTION:** Selective broadleaf weed control in ornamental lawns and turf grasses. Controls black medic, chickweed, clover, cocklebur, dandelion, knotweed, oxalis, plantain, thistle and many others.  
**LABEL RATE:** 0.73 – 1.1 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2.5 gallon jug

**Lontrel**  
**PRODUCT DESCRIPTION:** Lontrel is a premium selective broadleaf herbicide for turf and nursery use containing clorpyralid.  
**LABEL RATE:** 0.1 – 0.5 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 1 quart bottle

**Millennium Ultra 2**  
**PRODUCT DESCRIPTION:** Millennium Ultra 2 is a premium selective herbicide for use on bentgrass (except greens). Approved for use on bermudagrass and goosegrass in cool season turf, providing unmatched performance on these difficult-to-eliminate weeds. It has also shown excellent control of nimblewill, crabgrass, clover, speedwell, and others.  
**LABEL RATE:** 0.73 – 1.1 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

**Mojave 70 EG**  
**PRODUCT DESCRIPTION:** A non-selective bare ground industrial vegetation management herbicide. Long lasting pre-emergent control.  
**LABEL RATE:** 7 – 19 lbs per acre  
**PACKAGING SIZES:** 5 lbs bottle

**Octane 2SC**  
**PRODUCT DESCRIPTION:** Broadleaf herbicide for selective use in turf. Safe to seedling grasses.  
**LABEL RATE:** 1 – 4 oz per acre  
**PACKAGING SIZES:** 8 oz bottle

**Oryzalin 4 Pro**  
**PRODUCT DESCRIPTION:** Oryzalin is a pre-emergent herbicide for control of broadleaf weeds and annual grasses in ornamental turf and landscapes. Must be watered in by 21 days.  
**LABEL RATE:** 1.47 – 2.94 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 2 x 2.5 gallon case

**Oxadiazon 50 WSB**  
**PRODUCT DESCRIPTION:** Oxadiazon 50 WSB is a sprayable pre-emergent herbicide for control of grassy weeds.  
**LABEL RATE:** 4 – 6 lbs per acre  
**PACKAGING SIZES:** 10 x 2 lbs case

**Pendulum® AquaCap**  
**PRODUCT DESCRIPTION:** Encapsulates a water-based formulation of the industry’s leading pre-emergent active ingredient, BASF pendimethalin, in an ultra thin capsule.  
**LABEL RATE:** See label  
**PACKAGING SIZES:** 2 x 2.5 gallon case, 110 gal SS Mini Bulk*, 220 gal SS Mini Bulk*, 15 gal keg*

**Prosedge**  
**PRODUCT DESCRIPTION:** Prosedge is a selective herbicide for control of yellow and purple nutsedge. A second application 6–10 weeks following the first application will enhance the kill.  
**LABEL RATE:** 0.67 – 1.33 oz per acre  
**PACKAGING SIZES:** 30 x 0.9 gram case, 1.3 oz unit

**Pylex®**  
**PRODUCT DESCRIPTION:** The standard for the control of Bermudagrass and goosegrass in cool season turf, providing unmatched performance on these difficult-to-eliminate weeds. It has also shown excellent control of nimblewill, crabgrass, clover, speedwell, and others.  
**LABEL RATE:** 1.0 – 1.5 oz per acre  
**PACKAGING SIZES:** 8 oz bottle

**Q4 Plus**  
**PRODUCT DESCRIPTION:** Q4 Plus is a post-emergent herbicide for control of broadleaf and grassy weeds in turf including yellow nutsedge and crabgrass.  
**LABEL RATE:** 2.6 – 3 oz per acre  
**PACKAGING SIZES:** 1 gallon jug, 2.5 gallon jug

**Quali–Pro® Negate® 37WG**  
**PRODUCT DESCRIPTION:** Unique dual powered post-emergent Sulfon BYUrea herbicide for grassy and tough broadleaf weed control in established warm season turfgrass.  
**LABEL RATE:** 1.5 oz per acre  
**PACKAGING SIZES:** 6 x 1.5 oz bottles

**Quali–Pro® Quinclorac 75DF**  
**PRODUCT DESCRIPTION:** A 75% dry flowable formulation of Quinclorac used for post-emergent control of many broadleaf and grassy weeds.  
**LABEL RATE:** 0.162 – 0.367 oz per 1000 sq. ft.  
**PACKAGING SIZES:** 6 x 1 lbs case

**QuickSilver**  
**PRODUCT DESCRIPTION:** Post-emergent herbicide that controls many broadleaf weeds through foliar uptake with tolerance on all turf types and provides the standard in controlling moss on greens.  
**LABEL RATE:** Weed Control – 1.0 – 2.1 oz per acre, Moss Control – 2.0 – 6.7 oz per acre  
**PACKAGING SIZES:** 8 oz bottle
ArmorTech provides plant protection (or Armor, if you will) and ground support to help turf managers fight the various battles—dollar spot, crabgrass, environmental stress, budget constraints—with smart tools and innovative technologies (that’s the Tech).

**ARMORTECH® ROTATOR**
- Controls 12 turf pathogens
- First alternate brand fluaizinam in the market
- SC formulation surpassed performance expectations during 2017
- Caution signal word
- Economical for fairway use

**ARMORTECH® TETRA™**
- Delivers fast, selective weed control
- Powerful combination of 2,4-D, fluroxypyr, triclopyr and flumioxazin
- Proven excellent control of ground ivy and wild violet
- Superior suspo-emulsion formulation is rainfast within 1 hour
- Manages more than 250 weeds

**ARMORTECH® ZOXY®-PG**
- Powerful combination of 0.31% azoxystrobin and 0.75% propiconazole
- Targets foliar, stem and root diseases
- Delivers preventative and curative disease control for up to 28 days
- Utilizes both root and leaf uptake for maximum efficacy
- High quality granule delivers application flexibility
ArmorTech provides plant protection (or Armor, if you will) and ground support to help turf managers fight the various battles—dollar spot, crabgrass, environmental stress, budget constraints—with smart tools and innovative technologies (that's the Tech).

<table>
<thead>
<tr>
<th>Product</th>
<th>Active Ingredient</th>
<th>Package Size</th>
<th>Rate/1000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArmorTech® Rotator</td>
<td>Fluazinam 40.0%</td>
<td>4 x 1 gallon case</td>
<td>0.5 oz</td>
</tr>
<tr>
<td>ArmorTech® ZOXY®-T</td>
<td>Azoxystrbin 11.9% Tebuconazole 26.9%</td>
<td>4 x 1 gallon case</td>
<td>0.5 - 1.5 oz</td>
</tr>
<tr>
<td>ArmorTech® ZOXY®-PG</td>
<td>Azoxystrbin 0.31% Propiconazole 0.75%</td>
<td>30 lb bag</td>
<td>2-4 lb</td>
</tr>
<tr>
<td>ArmorTech® ZOXY® 2F</td>
<td>Azoxystrbin 22.9%</td>
<td>4 x 1 gallon case, 4 x 1 quart case</td>
<td>Turf 0.5 - 2 oz, Ornamentals 2 - 24 oz/gallon</td>
</tr>
<tr>
<td>ArmorTech® P92 143 MC</td>
<td>Propiconazole 14.3%</td>
<td>4 x 1 gallon case, 2 x 2.5 gallon case</td>
<td>Turf 0.5 - 2 oz, Ornamentals 2 - 24 oz/gallon</td>
</tr>
<tr>
<td>ArmorTech® CLT 720</td>
<td>Chloretanolin 54.0%</td>
<td>2 x 2.5 gallon case</td>
<td>Turf 2 - 8 oz, Ornamentals 1.37 pints/100 gallon</td>
</tr>
<tr>
<td>ArmorTech® CLT 825</td>
<td>Chloretanolin 82.5%</td>
<td>4 x 5 lbs case</td>
<td>1.8 - 5 oz</td>
</tr>
<tr>
<td>ArmorTech® IP 238</td>
<td>Iprodione 23.8%</td>
<td>2 x 2.5 gallon case</td>
<td>Turf 2 - 8 oz, Ornamentals 1 - 2.5 quarts/acre</td>
</tr>
<tr>
<td>ArmorTech® TM 462</td>
<td>Thiophanate-methyl 46.2%</td>
<td>2 x 2.5 gallon case</td>
<td>Turf 2 - 5.3 oz, Ornamentals 10.75 - 20 oz/100 gallon</td>
</tr>
<tr>
<td>ArmorTech® TMI 2020 XL</td>
<td>Thiophanate-methyl 19.65% Iprodione 19.65%</td>
<td>2 x 2.5 gallon case</td>
<td>1 - 4 oz</td>
</tr>
<tr>
<td>ArmorTech® 360 XL</td>
<td>Tebuconazole 38.7%</td>
<td>2 x 1 gallon case</td>
<td>Turf 0.6 oz, Ornamentals 4 - 10 oz/100 gallon</td>
</tr>
</tbody>
</table>

| ArmorTech® Tetra         | 2,4-D 24.09% Triclopyr 2.61% Fluroxypyr 2.52%        | 2 x 2.5 gallon, 30 gallon drum   | 0.73 - 1.28 oz    |
| ArmorTech® Trione        | Mesotrine 40.0%                                     | 4 x 64 oz bottles, 12 x 8 oz bottles | See label        |
| ArmorTech® SureZone®     | Sulfentrazone 0.43% 2,4-D 18.0% MCCP 6.49%          | 2 x 2.5 gallon case, 55 gallon drum | 1 - 1.65 oz      |
| ArmorTech® THRESOME®     | 2,4-D 30.56% MCCP 8.17% Dicamba 2.77%               | 2.5 gallon, 30 gallon, 55 gallon, 250 gallon | 0.67 - 1.5 oz    |
| ArmorTech® KADE 65 WDG    | Prodiamine 65.0%                                    | 4 x 5 lbs case                   | 0.5 - 2.3 lbs/acre |
| ArmorTech® KADE 4L       | Prodiamine 40.7%                                    | 2 x 2.5 gallon case              | See label         |
| ArmorTech® Quin Pro      | Quinclorac 75.0%                                    | 6 x 1 lb case                    | See label         |

| ArmorTech® IMD 2SC       | Imidacloprid 21.4%                                  | 1 gallon bottle                  | See label         |
| ArmorTech® IMD 75        | Imidacloprid 75.0%                                  | 48 x 1.6 oz                     | See label         |

| ArmorTech® 44            | Nitrogen 15.0%                                      | 2 x 2.5 gallon case              | 0.5 - 2 oz        |
| ArmorTech® 28 +Si        | Soluable Potash 15.0% Silica 1.0%                   | 2 x 2.5 gallon case              | 3 - 4 oz          |

| ArmorTech® PGR 113       | Trinexapac-ethyl 11.3%                              | 2 x 1 gallon case, 2 x 2.5 gallon case | See label         |
| ArmorTech® PAC 223       | Paclobutrazol 22.3%                                 | 2 x 1 gallon case                 | See label         |

| Optimizer® Green Shade   | Green pigment spray additive                         | 4 x 1 gallon case, 12 x 1 quart case | 16 oz/acre        |
**Ranger Pro**

**PRODUCT DESCRIPTION:** A full strength glyphosate formulation with adjuvant for maximum non-selective post-emergent weed control.

**LABEL RATE:** 1–5 pints per acre

**PACKAGING SIZES:** 2.5 gal, 30 gal

**Revolver®**

**PRODUCT DESCRIPTION:** Controls many tough-to-control grassy weeds in warm season turf.

**LABEL RATE:** See label

**PACKAGING SIZES:** 87 oz and 1 quart units

**Roundup Pro Max**

**PRODUCT DESCRIPTION:** Roundup Pro Max is a non-selective herbicide that is rainfast in 30 minutes. Pro Max is the new potassium salt formulation, more active ingredient in every gallon of spray solution.

**LABEL RATE:** See label

**PACKAGING SIZES:** 1.67 gallon bottle

**Segement® II**

**PRODUCT DESCRIPTION:** Offers selective postemergent control of key weed problems and is the only postemergent grass herbicide that can be applied directly to trees or shrubs at any stage of growth, even at seedling and “bud break” stages.

**LABEL RATE:** 2 – 3 oz per gallon

**PACKAGING SIZES:** 4 x 1 gallon case*

**Solitare®**

**PRODUCT DESCRIPTION:** Optimized combination of sulfentrazone and glyphosate that provides post-emergent weed control from the foliage down and the root up.

**LABEL RATE:** 16 – 32 oz per acre

**PACKAGING SIZES:** 1 lb, 4 lb*

**Specticle® Flo**

**PRODUCT DESCRIPTION:** Innovative pre-emergent solution allows less application and greater weed control in warm season turf.

**LABEL RATE:** See label

**PACKAGING SIZES:** 18 oz and 1 gallon units

**Specticle® Total**

**PRODUCT DESCRIPTION:** The latest innovation in non-selective weed management. This product is a powerful tool for managing weeds in landscape, hardscape, and non-crop areas.

**LABEL RATE:** See label

**PACKAGING SIZES:** 144 oz unit

**Solitare 75 WG**

**PRODUCT DESCRIPTION:** All-in-one selective post-emergence weed control solution specifically designed to combat crabgrass, sedges and broadleaf weed problems. Provides powerful broad spectrum weed control in one easy to mix solution, without the need to tank mix several different herbicides

**LABEL RATE:** 4 – 6.35 oz per 1000 sq. ft.

**PACKAGING SIZES:** 3/4 gallon

**Solitare WSL**

**PRODUCT DESCRIPTION:** Water-soluble, liquid herbicide formulation of sulfentrazone and glyphosate that provides post-emergent weed control from the foliage down and the root up. Offers increased application efficiency while controlling more than 40 weeds.

**LABEL RATE:** 4 – 6.35 oz per 1000 sq. ft.

**PACKAGING SIZES:** 3/4 gallon

**Snapshot**

**PRODUCT DESCRIPTION:** Provides up to 8 months of control or suppression of more than 125 broadleaf weeds and annual grasses and can be used over the top of more than 635 labeled ornamentals.

**LABEL RATE:** 100–200 lb per acre

**PACKAGING SIZES:** 50 lb bag

**Speedzone**

**PRODUCT DESCRIPTION:** Speed Zone (carfentrazone, 2,4-D ester, MCPP, dicamba) is a fast acting selective broadleaf turf herbicide that excels in cool weather.

**LABEL RATE:** 1.1 – 1.85 oz per 1000 sq. ft.

**PACKAGING SIZES:** 2 x 2.5 gallon case

**Sulfometuron 75 DF**

**PRODUCT DESCRIPTION:** A non-selective bare ground industrial vegetation management herbicide. Long lasting pre-emergent control.

**LABEL RATE:** 2 – 8 oz per acre

**PACKAGING SIZES:** 3 lbs bottle

**SureGuard**

**PRODUCT DESCRIPTION:** SureGuard is a long lasting pre-emergent weed control for use in landscape beds, fence rows or anywhere where no weed growth is desired. Mix with glyphosate for excellent post control.

**LABEL RATE:** 8 – 12 oz per acre

**PACKAGING SIZES:** 1 lbs bottle, 5 lbs bottle

**SureGuard SC**

**PRODUCT DESCRIPTION:** The same long lasting residual control of grass and broadleaf weeds that you’ve come to expect from SureGuard in a new convenient liquid formulation.

**LABEL RATE:** See label

**PACKAGING SIZES:** 4 x 64 oz

**Surge**

**PRODUCT DESCRIPTION:** Surge (sulfentrazone, 2,4-D amine, dicamba, MCPP) is a fast acting selective herbicide with outstanding control of summer annual broadleaf weeds and suppression on actively growing nutseed.

**LABEL RATE:** 1.19 – 1.47 oz per 1000 sq. ft.

**PACKAGING SIZES:** 2.5 gallon jug, 30 gallon drum
# NUFARM SOLUTIONS

<table>
<thead>
<tr>
<th>Product and EPA Registration Number</th>
<th>Summary</th>
<th>Active Ingredient (%) and Formulation</th>
<th>Packaging</th>
<th>Rate per 1,000 Square Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PGR</strong></td>
<td>Proprietary tool for cool- and warm-season turf growth management. Reduces mowing frequency and improves turf quality and appearance.</td>
<td>prohexadione calcium (27.3%) extruded granule</td>
<td>4 x 4 x 1.5 lb resealable pouch</td>
<td>consult label</td>
</tr>
<tr>
<td><strong>Fungicide</strong></td>
<td>Proven premix that helps save time and stay in control of challenging diseases. Works on contact and systemically, controlling 19 challenging turf diseases and algal scum.</td>
<td>fluazinam (17.0%) tebuconazole (17.6%) liquid</td>
<td>2 x 2.5 gal</td>
<td>1.3 fl oz</td>
</tr>
<tr>
<td><strong>4-Speed XT</strong></td>
<td>Triclopyr joins 2,4-D, dicamba and pyraflufen-ethyl to create a combination lethal to virtually any broadleaf weed.</td>
<td>2,4-D (41.92%) triclopyr (4.81%) dicamba (3.46%) pyraflufen-ethyl (0.067%) liquid</td>
<td>12 x 1 gal</td>
<td>1.1 - 1.5 fl oz bahiagrass, bluegrass, common bermudagrass, fescue, ryegrass, zoysiagrass</td>
</tr>
<tr>
<td><strong>Traction</strong></td>
<td>Provides swift early- and late-season control to strike down broadleaf weeds. Excellent control of ground ivy and wild violet. Manages more than 250 broadleaf weeds.</td>
<td>2,4-D (36.33%) triclopyr (3.63%) dicamba (3.46%) flumioxazin (0.22%) suspoemulsion (SE) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.73 - 1.28 fl oz</td>
</tr>
<tr>
<td><strong>Cool Power</strong></td>
<td>Ester-based formulation for tough-to-control weeds. Specially formulated for use in cool weather.</td>
<td>MCPA (56.14%) triclopyr (5.0%) dicamba (3.6%) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.91 - 1.29 fl oz</td>
</tr>
<tr>
<td><strong>Escalade²</strong></td>
<td>Consistent broad-spectrum broadleaf weed control under any environmental condition.</td>
<td>2,4-D (39.53%) fluroxypyr (5.9%) dicamba (4.1%) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.75 - 1.10 fl oz</td>
</tr>
<tr>
<td><strong>Horsepower</strong></td>
<td>Amine formulation ideal for tough-to-control weeds like ground ivy in hot weather conditions. Can be used when 2,4-D limits have been reached.</td>
<td>MCPA (49.9%) triclopyr (5.5%) dicamba (4.82%) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.73 - 1.10 fl oz</td>
</tr>
<tr>
<td><strong>Millennium Ultra²</strong></td>
<td>One of the most effective herbicides on the market, offering superior clover control for golf course and non-residential settings.</td>
<td>2,4-D (37.32%) clopyralid (2.34%) dicamba (4.65%) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.73 - 1.10 fl oz</td>
</tr>
<tr>
<td><strong>Prosedge²</strong></td>
<td>Excellent selective control of yellow and purple nutsedge in turf and around woody ornamentals in landscaped areas.</td>
<td>halosulfuron-methyl (75.0%) water-soluble granule</td>
<td>10 x 1.33 oz bottle</td>
<td>consult label</td>
</tr>
<tr>
<td><strong>Triplet Low Odor</strong></td>
<td>The proven performance of a three-way herbicide without any objectionable odor.</td>
<td>2,4-D TIPA (47.33%) mecoprop-p (18.17%) dicamba (2.3%) liquid</td>
<td>2 x 2.5 gal</td>
<td>0.67 - 1.5 fl oz</td>
</tr>
<tr>
<td><strong>Non-selective</strong></td>
<td>Kills existing weeds and prevents germination of new weeds for three to six months.</td>
<td>glyphosate (40.5%) prodiamine (7.51%) liquid</td>
<td>8 x 64 oz squeeze-and-pour bottle</td>
<td>3.0 - 5.75 fl oz</td>
</tr>
<tr>
<td><strong>Razor Burn</strong></td>
<td>Quick, non-selective burndown of broadleaf weeds and grasses. Visible activity in 24 to 48 hours.</td>
<td>glyphosate (40.1%) diquat dibromide (2.3%) liquid</td>
<td>8 x 64 oz squeeze-and-pour bottle</td>
<td>consult label</td>
</tr>
</tbody>
</table>

View our entire line of turf and ornamental products at NufarmInsider.com
**Tower®**
**PRODUCT DESCRIPTION:** Broad spectrum pre-emergence herbicide with a new active ingredient, dimethenamid-p (DMTA-P)
**LABEL RATE:** See label
**PACKAGING SIZES:** 5 gallon, 4 x 0.5 gallon case

**Tribute® Total**
**PRODUCT DESCRIPTION:** Provides broad-spectrum, post-emergent weed control in Bermudagrass and Zoysiagrass.
**LABEL RATE:** See label
**PACKAGING SIZES:** 6 oz bottle

**Triclopyr 4 EC**
**PRODUCT DESCRIPTION:** Triclopyr is a broad spectrum herbicide to control select woody brush and broad leaf weeds. Triclopyr can be tank mixed with other three-way mixtures to enhance and broaden the kill.
**LABEL RATE:** See label
**PACKAGING SIZES:** 4 x 1 gallon case

**Triclopyr 3 SL**
**PRODUCT DESCRIPTION:** An amine formulation of triclopyr for industrial broadleaf weed and brush control. Also labeled for aquatic weed control
**LABEL RATE:** See label
**PACKAGING SIZES:** 2.5 gallon

**Trimec 1000**
**PRODUCT DESCRIPTION:** A low odor 3 way broadleaf herbicide for use in turf. Unique dual action 2,4-D formulation.
**LABEL RATE:** 1.1 – 1.5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2.5 gallon

**Trimec Bentgrass**
**PRODUCT DESCRIPTION:** Trimec Bentgrass is a selective herbicide safe to use on bentgrass for control of dandelion, plantain and other common weeds.
**LABEL RATE:** 1 – 1.5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case

**Triplet Low Odor**
**PRODUCT DESCRIPTION:** A low odor 3 way broadleaf herbicide for use in turf.
**LABEL RATE:** 1.1 – 1.5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2.5 gallon jug, 30 gallon drum

**TZone SE**
**PRODUCT DESCRIPTION:** T-Zone (2,4-D ester, dicamba, sulfentrazone, triclopyr ester) controls a wide variety of broadleaf weeds including difficult to control wild violets and ground ivy.
**LABEL RATE:** 1.19 – 1.47 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case

**Weed Whacker**
**PRODUCT DESCRIPTION:** Selective broadleaf control for residential turf, kills 140+ weed types.
**LABEL RATE:** See label
**PACKAGING SIZES:** 12 x 23 oz case

**Weed Whacker Jet Spray**
**PRODUCT DESCRIPTION:** Selective broadleaf herbicide in convenient spot spray cans, also contains a foam marker.
**LABEL RATE:** See label
**PACKAGING SIZES:** 12 x 23 oz case

**Xonerate 2SC**
**PRODUCT DESCRIPTION:** Post emergent herbicide that eliminates Poa annua through absorption by leaves and roots inhibiting photosynthesis by interfering with normal electron transport.
**LABEL RATE:** 3 – 6 fl oz per acre
**PACKAGING SIZES:** 12 oz bottle
<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>USAGE</th>
<th>PRODUCT FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D Amine</td>
<td>Vegetation Management</td>
<td>For control of many broadleaf weeds and brush control in pastures, rangelands, and other listed crops and in non-crop areas such as lawns, ornamental turf, drainage ditchbanks, fence rows and rights-of-way. Also for aquatic weed control, control of trees by injection, and tank mixes.</td>
</tr>
<tr>
<td>Boulder 6.3</td>
<td>Vegetation Management</td>
<td>Control of woody plants, annuals, and perennial broadleaf weeds in forests, grass pastures, rangeland, CRP areas, rights-of-way, and in non-crop areas and ornamental turf.</td>
</tr>
<tr>
<td>Cruise Control</td>
<td>Range &amp; Pastureland</td>
<td>For control of weeds in pasture, hay, small grain, rangeland and general farmstead (non-cropland) fallow, turf and grass seed crops. Contains 48.2% Dimethlamide salt of dicamba, 4 lbs active per gallon.</td>
</tr>
<tr>
<td>Diuron 80 DF</td>
<td>Vegetation Management</td>
<td>Non-selective residual herbicide for controlling a large range of grasses and broadleaf weeds in land not intended to bear vegetation, including industrial sites, railways, and other non-crop areas.</td>
</tr>
<tr>
<td>Everett</td>
<td>Vegetation Management</td>
<td>For the control of most kinds of unwanted trees and brush, as well as annual and perennial broadleaf weeds on rangeland, permanent grass pastures, conservation reserve program (CRP) acres, fence rows, non-irrigation ditch banks, roadsides, other non-crop areas and industrial sites.</td>
</tr>
<tr>
<td>Ranger Pro</td>
<td>Vegetation Management</td>
<td>A full strength glyphosate formulation with adjuvant for maximum non-selective post-emergent weed control.</td>
</tr>
<tr>
<td>Kade 65 WDG</td>
<td>Vegetation Management</td>
<td>Pre-emergent herbicide for broad spectrum control of annual grasses and broadleaf weeds in turfgrass and ornamental plantings.</td>
</tr>
<tr>
<td>Imazapyr 4 SL</td>
<td>Forestry</td>
<td>Pre-and post-emergent, non-selective herbicide for control of undesirable vegetation in timber production sites including forest roads and non-irrigation ditchbanks.</td>
</tr>
<tr>
<td>Mojave 70 EG</td>
<td>Vegetation Management</td>
<td>A dispersible granule intended to be mixed with water and surfactant(s) for application to non-crop areas such as railroads, utility, pipeline and highway rights-of-way and more. Can be used for weed control under paved surfaces.</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>USAGE</td>
<td>PRODUCT FEATURES</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Oryzalin 4 PRO</td>
<td>Vegetation Management</td>
<td>Pre-emergent weed control in non-crop site vegetation control, Christmas tree plantations and around roadsides and railways.</td>
</tr>
<tr>
<td>Panoramic</td>
<td>Range &amp; Pastureland</td>
<td>Controls annual and perennial broadleaf weeds and grasses such as leafy spurge and cheat grass. Works as a turf height suppressant on non-cropland areas including range and pastureland, roadsides and rights-of-way.</td>
</tr>
<tr>
<td>SFM 75</td>
<td>Forestry</td>
<td>Post-emergent herbicide for broadleaf weed control in non-crop industrial sites, forestry and vegetation control around roadsides and railroads.</td>
</tr>
<tr>
<td>Specticle Flo</td>
<td>Vegetation Management</td>
<td>Innovative pre-emergent solution allows for less application and greater weed control.</td>
</tr>
<tr>
<td>Specticle Total</td>
<td>Vegetation Management</td>
<td>The latest innovation in non-selective weed management. This product is a powerful tool for managing weeds in landscape, hardscape, and non-crop areas.</td>
</tr>
<tr>
<td>SureGuard</td>
<td>Vegetation Management</td>
<td>A long lasting pre-emergent weed control for use in landscape beds, fence rows, or anywhere. Mix with glyphosate for excellent post-emergent control.</td>
</tr>
<tr>
<td>Tebuthiuron 80 DF</td>
<td>Range &amp; Pastureland</td>
<td>A herbicide for preemergence and post emergence use. Controls woody plant species, brush and weeds on non-crop areas, including rangeland, permanent grass pastures, fence rows, and clearings for wildlife habitat. Provides excellent control of sagebrush, creosotebrush, boxwood, kudzu and more.</td>
</tr>
<tr>
<td>Triclopyr 3 SL</td>
<td>Forestry, Aquatic</td>
<td>Post-emergent herbicide for the control of woody plants, vines, annual and perennial broadleaf weeds in forests and non-crop areas. For control of woody plants, annual and perennial broadleaf weeds, and aquatic weeds.</td>
</tr>
<tr>
<td>Triclopyr 4 EC</td>
<td>Forestry, Range &amp; Pastureland</td>
<td>For the control of most kinds of unwanted trees and brush, as well as annual and perennial broadleaf weeds on rangeland, permanent grass pastures, conservation reserve program (CRP) acres, fence rows, non-irrigation ditch banks, roadsides, other non-crop areas and industrial sites.</td>
</tr>
</tbody>
</table>
Abamectin 0.15 EC
**PRODUCT DESCRIPTION:** Miticide / insecticide for ornamental plantings, nurseries, and greenhouses. Controls spider, rust and bud mites.
**LABEL RATE:** 2 – 4 oz per 100 gallons
**PACKAGING SIZES:** 1 quart

Aloft G LCO
**PRODUCT DESCRIPTION:** Aloft (clothianidin, bifenthrin) G is a granular formulation for turf insect control.
**LABEL RATE:** 80 – 160 lbs per acre
**PACKAGING SIZES:** 40 lb bag

Aloft Granular GC
**PRODUCT DESCRIPTION:** Aloft (clothianidin, bifenthrin) is a restricted use insecticide with two modes of action. Aloft is effective against all major insects throughout the season including the dreaded annual bluegrass weevil. Aloft can be applied early for season long control of subsurface insects.
**LABEL RATE:** 80 – 160 lbs per acre
**PACKAGING SIZES:** 40 lbs bag

Aloft SC GC
**PRODUCT DESCRIPTION:** Aloft (clothianidin, bifenthrin) is a restricted use insecticide with two modes of action. Aloft is effective against all major insects throughout the season including the dreaded annual bluegrass weevil. Aloft can be applied early for season long control of subsurface insects.
For turf and ornamental use.
**LABEL RATE:** See label
**PACKAGING SIZES:** 64 oz

Aloft SC LCO
**PRODUCT DESCRIPTION:** Aloft (clothianidin, bifenthrin) is effective against all major insects throughout the season including the dreaded annual bluegrass weevil. Aloft can be applied early for season long control of subsurface insects.
**LABEL RATE:** 0.18 – 0.27 oz per 1000 sq. ft.
**PACKAGING SIZES:** 64 oz bottle

Arena 0.25 G
**PRODUCT DESCRIPTION:** Granular formulation of Arena.
**LABEL RATE:** 80 – 160 lbs per acre
**PACKAGING SIZES:** 30 lbs bag

ArmorTech® IMD 2F
**PRODUCT DESCRIPTION:** A liquid formulation of imidacloprid for control of turf and ornamental insects. Systemic action for trees and ornamentals.
**LABEL RATE:** See label
**PACKAGING SIZES:** 1 gallon bottle

ArmorTech® IMD 75
**PRODUCT DESCRIPTION:** Broad spectrum systemic insecti control for turfgrass. 75% dry formulation of imidacloprid.
**LABEL RATE:** See label
**PACKAGING SIZES:** 4.8 lb ch

Brandt enTREE® EB
**PRODUCT DESCRIPTION:** An emamectin benzoate insecticide for tree injection that provides two-year control of emerald ash borer and other listed insect and mite pests. Brandt enTREE comes packaged as a pre-filled, ready-to-use application. There is no measuring, no mixing and no spraying required.
**LABEL RATE:** 1 unit per 5 inch DBH
**PACKAGING SIZES:** 24 x 25 ml case, 50 x 25 ml case

Duocide DG Pro
**PRODUCT DESCRIPTION:** Duocide DG (bifenthrin, carbaryl) controls surface and subsurface feeding pests on any turfgrass site. Restricted use pesticide.
**LABEL RATE:** 87 – 348 lbs per acre
**PACKAGING SIZES:** 40 lbs bag

Dylox® 6.2 G Insecticide
**PRODUCT DESCRIPTION:** A liquid formulation of imidacloprid for control of turf and ornamental insects. Systemic action for trees and ornamentals.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2.5 gallon jug

Dylox® 420 SL
**PRODUCT DESCRIPTION:** Controls damaging insects below the soil surface including white grubs, mole crickets, sod webworms, cutworms, and other turfgrass pests.
**LABEL RATE:** 4.6 – 6.9 fl oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gal bottles

Forbid® 4F
**PRODUCT DESCRIPTION:** Insecticide and miticide to control mites and whiteflies on ornamental plants in and around areas such as parks, golf courses, residential and commercial buildings
**LABEL RATE:** See label
**PACKAGING SIZES:** 6 x 8 oz bottles

Imidacloprid 0.5G
**PRODUCT DESCRIPTION:** Imidacloprid .5G will control grubs, billbugs and other pest when applied prior to egg hatch.
**LABEL RATE:** 50 – 80 lbs per acre
**PACKAGING SIZES:** 30 lbs bag

Indemnify
**PRODUCT DESCRIPTION:** Indemnify is a next-generation nematicide that controls key plant parasitic nematodes in turfgrass.
**LABEL RATE:** See label
**PACKAGING SIZES:** 17.1 oz

Permethrin SFR
**PRODUCT DESCRIPTION:** Broad spectrum pyrethroid insecticide for use on turf and ornamentals.
**LABEL RATE:** See label
**PACKAGING SIZES:** 5 quart bottle
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As pests and diseases continue to attack landscape trees, shrubs, and bedding plants, and consumers become more environmentally conscious, the need for sustainable pest and disease protection solutions is increasing. BRANDT offers a wide range of solutions designed to help applicators control pest and disease more efficiently and sustainably.

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- **TRITEK®**  
  *OMRI Listed Fungicide, Insecticide, Miticide Spray Oil*

- **NORDOX® 75 WG**  
  *OMRI Listed 75% Copper Fungicide/Bactericide*

- **BRANDT® enTREE® EB**  
  *Revolutionary micro tree injection solution for treating Emerald Ash Borer*

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As pests and diseases continue to attack landscape trees, shrubs, and bedding plants, and consumers become more environmentally conscious, the need for sustainable pest and disease protection solutions is increasing. BRANDT offers a wide range of solutions designed to help applicators control pest and disease more efficiently and sustainably. Talk to your representative about how these products can enhance your operation:

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  - OMRI Listed 75% Copper Fungicide/Bactericide
- **BRANDT® enTREE® EB**
  - Revolutionary micro tree injection solution for treating Emerald Ash Borer

To learn more, visit www.BRANDT.co or email info@brandt.co

## Insecticides

### Prosect LCO
**PRODUCT DESCRIPTION:** Granular bifenthrin insecticide for use on turf, ornamentals, and perimeter pest control.
**LABEL RATE:** 0.7 – 6.1 lbs per 1000 sq. ft.
**PACKAGING SIZES:** 50 lbs b

### Safari
**PRODUCT DESCRIPTION:** Safari is a soluble granular that can be applied as a foliar spray, soil drench, or trunk spray for systemic insect control on trees and ornamental plants. Safari is labeled for control of the Emerald Ash Borer.
**LABEL RATE:** See label
**PACKAGING SIZES:** 12 oz bottle, 3 lbs bottle

### Sevin
**PRODUCT DESCRIPTION:** Carbaryl will control many insects in trees, ornamentals and turf including armyworms, bagworms, cutworms, flea beetle and white grubs.
**LABEL RATE:** 0.75 – 1.5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case

### Shuttle O Miticide
**PRODUCT DESCRIPTION:** Fast acting miticide that controls all life stages of spider mites.
**LABEL RATE:** 6.4 – 12.8 oz per 100 gallons
**PACKAGING SIZES:** 16 oz bottle

### Talstar XTRA + Verge
**PRODUCT DESCRIPTION:** In addition to delivering the long-lasting residual protection professionals have come to expect from Talstar, new Talstar XTRA featuring Verge granule technology is proven to eliminate dangerous fire ant colonies in 15 minutes.
**LABEL RATE:** See label
**PACKAGING SIZES:** 25 lb bag

### Talstar Professional
**PRODUCT DESCRIPTION:** 7.9% flowable water based bifenthrin with a non-irritating formulation for use on a broad spectrum of insects and mites on all turf grasses and ornamentals.
**LABEL RATE:** 0.18 – 1.0 oz per 1000 sq. ft., 10 – 40 oz per acre
**PACKAGING SIZES:** 1 gallon bottle

### Talstar Select
**PRODUCT DESCRIPTION:** 7.9% flowable water based bifenthrin with a non-irritating formulation for use on a broad spectrum of insects and mites on all turf grasses and ornamentals. Restricted use.
**LABEL RATE:** 0.18 – 1.0 oz per 1000 sq. ft., 10 – 40 oz per acre
**PACKAGING SIZES:** 1 gallon bottle

### Tetrasan
**PRODUCT DESCRIPTION:** Long residual spider mite control. Active on all immature stages, and sterilizes adult females.
**LABEL RATE:** 8 – 16 oz per 100 gallons
**PACKAGING SIZES:** 1 lb bag

### Triple Crown Golf
**PRODUCT DESCRIPTION:** Three active ingredients provide fast-acting knockdown above and below ground with broad long-term protection. Restricted use.
**LABEL RATE:** 10 – 35 oz per acre
**PACKAGING SIZES:** 1 gallon bottle

### Triple Crown T&O
**PRODUCT DESCRIPTION:** Three active ingredients provide fast-acting knockdown above and below ground with broad long-term protection.
**LABEL RATE:** 10 – 35 oz per acre
**PACKAGING SIZES:** 1 gallon bottle

### TriTek™
**PRODUCT DESCRIPTION:** 3-in-1, fungicide-insecticide-miticide spray oil that provides effective insect and disease control. TriTek is OMRI listed and can be used for dormant and summer applications.
**LABEL RATE:** 1 – 2 gal per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug
## INFORMATION ABOUT THE HALF LIFE OF PESTICIDES AT DIFFERENT pH

<table>
<thead>
<tr>
<th>Common Trade Names</th>
<th>Chemistry</th>
<th>Optimum pH</th>
<th>Alkaline (pH 8-9)</th>
<th>Neutral (pH 7)</th>
<th>Acidic (pH 4-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weedar</td>
<td>2,4-D amine</td>
<td>4.5</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Orthene</td>
<td>Acephate</td>
<td>7</td>
<td>16 days</td>
<td>46 days</td>
<td>40 days</td>
</tr>
<tr>
<td>Assail</td>
<td>Acetamiprid</td>
<td>5 to 6</td>
<td>Unstable</td>
<td>Stable</td>
<td>Unstable</td>
</tr>
<tr>
<td>Mitac</td>
<td>Amitraz</td>
<td>9.2</td>
<td>35 hours</td>
<td>15 hours</td>
<td>1.2 hours at 5.1</td>
</tr>
<tr>
<td>AATrex, Atratol, Fogard, Gesaprim, Griffex, Mebazine, Primatol A, Vectal</td>
<td>Atrazine</td>
<td>Decomposes slowly in alkaline solutions; rapidly if lime is present.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ghtion, Azimil</td>
<td>Azin-phos methyl</td>
<td>5.5</td>
<td>12 hours</td>
<td>10 days</td>
<td>17 days</td>
</tr>
<tr>
<td>AT Zoxy</td>
<td>Azoxystrobin</td>
<td></td>
<td>Stable over a wide range of pH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acrobe , B 401, Bactimos, Bactis Dipel, Foray, Gnatrol, Javelin, Vectobac</td>
<td>Bacillus thuringiensis</td>
<td>&lt; / = 8</td>
<td>Incompatible with highly alkaline materials.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turcam, Dycarb, Genate, Multamat, NC 6897, Niomil, Rotate, Sedox, Seedoxin, Tattoo</td>
<td>Bendiocarb</td>
<td>5</td>
<td>45 minutes</td>
<td>3 days</td>
<td>48 days</td>
</tr>
<tr>
<td>Talstar</td>
<td>Bifenthrin</td>
<td></td>
<td>Stable over a pH range 5 to 9.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agrocin, Benlate, Benosan, Fundazol, Tersan 1991</td>
<td>Benomyl</td>
<td>5</td>
<td>Unstable</td>
<td>1 hour</td>
<td>80 hours at 5.0</td>
</tr>
<tr>
<td>Captaf, Captanex, Captazel, Captol, Merpan, Meteoro, Orthocide, Phytocape, Sepicar, Sorene</td>
<td>Captain</td>
<td>5</td>
<td>10 minutes</td>
<td>8 hours</td>
<td>32 hours at 5.0</td>
</tr>
<tr>
<td>Sevin</td>
<td>Carbaryl</td>
<td>7</td>
<td>24 hours</td>
<td>24 days</td>
<td>100 days</td>
</tr>
<tr>
<td>Furadan, Furcarb, Bay 70143, Carbodan, Carbasip, Chinufur, Curaterr, Kenofuran, Nex, Pillarfurin, Rampart, Yaltox</td>
<td>Carbofuran</td>
<td>5</td>
<td>3 days</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Dursban®</td>
<td>Chloropyrifos</td>
<td>5</td>
<td>1.5 days</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>ArmorTech® CLT 825, ArmorTech® CLT 720</td>
<td>Chlorothalonil</td>
<td>5 to 7</td>
<td>Stable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Apollo</td>
<td>Clofentezine</td>
<td></td>
<td>4.8hrs</td>
<td>34 hours</td>
<td></td>
</tr>
<tr>
<td>Junction®</td>
<td>Copper hydroxide &amp; Mancozeb</td>
<td>5</td>
<td>Optimum range of 4 to 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammo, Cymbush</td>
<td>Cypermethrin</td>
<td>4</td>
<td>35 hours</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Knox-Out, D.Z.N., Spectricide</td>
<td>Diazinon</td>
<td>7</td>
<td>3 weeks</td>
<td>10 weeks</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Cruise Control</td>
<td>Dimamba</td>
<td>5.5</td>
<td>Unstable</td>
<td>Unstable</td>
<td>Stable at 5 - 6</td>
</tr>
<tr>
<td>Kelthane</td>
<td>Dicofol</td>
<td>5</td>
<td>1 day</td>
<td>5 days</td>
<td>20+ days</td>
</tr>
<tr>
<td>Cygon, Defend, Dimate</td>
<td>Dimethoate</td>
<td>4</td>
<td>48 minutes</td>
<td>12 hours</td>
<td>21 hours</td>
</tr>
<tr>
<td>Diquat SPC 2L</td>
<td>Diquat</td>
<td></td>
<td>Stable at pH 7 or below; decomposes in alkaline conditions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Di-syston</td>
<td>Disulfoton</td>
<td>5</td>
<td>7 hours</td>
<td>32 hours</td>
<td>60 hours</td>
</tr>
<tr>
<td>Thiodan</td>
<td>Endosulfan</td>
<td>6.5</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Ethion</td>
<td>Ethion</td>
<td>8</td>
<td>8.4 weeks</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Baytex</td>
<td>Fenthion</td>
<td></td>
<td>Incompatible with alkaline material.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fusilade</td>
<td>Fluazifop-P-butyl</td>
<td>4.5</td>
<td>17 days</td>
<td>147 days</td>
<td>455 days</td>
</tr>
<tr>
<td>Cutless®</td>
<td>Flurprimidol</td>
<td></td>
<td>Stable over a wide range of pH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Trade Names</td>
<td>Chemistry</td>
<td>Optimum pH</td>
<td>Alkaline (pH 8-9)</td>
<td>Neutral (pH 7)</td>
<td>Acidic (pH 4-6)</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------</td>
<td>------------</td>
<td>-------------------</td>
<td>---------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Revolver™</td>
<td>Formasulfuron</td>
<td>7</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Carzol</td>
<td>Formetanate</td>
<td>n/a</td>
<td>3 hours</td>
<td>14 hours</td>
<td>17.3 days</td>
</tr>
<tr>
<td>ArmorTech® ALT 70</td>
<td>Fosetyl-al</td>
<td>6</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>ProGibb®</td>
<td>Giberellic Acid</td>
<td>&lt; 7</td>
<td>Should not be mixed with alkaline materials.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ranger Pro</td>
<td>Glyphosate</td>
<td>3.5 - 4</td>
<td>Stable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>ArmorTech® IMD 75</td>
<td>Imidacloprid</td>
<td>7.5</td>
<td>Greater than 31 days at pH 5 - 9.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ArmorTech® IP233</td>
<td>Iprodiene</td>
<td>n/a</td>
<td>Chemical breakdown at pH above 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cythion, Fyfanon</td>
<td>Malathion</td>
<td>6</td>
<td>19 hours</td>
<td>3 days</td>
<td>8 days at 6</td>
</tr>
<tr>
<td>Subdue®</td>
<td>Metalaxyl</td>
<td>5 to 9</td>
<td>Buffer to a pH of less than 7.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lannate</td>
<td>Methomyl</td>
<td>n/a</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Nudrin</td>
<td>Methomyl</td>
<td>n/a</td>
<td>39% loss in 6 days</td>
<td>n/a</td>
<td>Stable at 5.5 - 6</td>
</tr>
<tr>
<td>Manor</td>
<td>Metsulfuron methyl benzoate</td>
<td>&gt; 7</td>
<td>May degrade in acid solutions in 24 hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ArmorTech® MYCLO 20EW</td>
<td>Myclobutanil</td>
<td></td>
<td>Not affected by pH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dibrom</td>
<td>Naled</td>
<td>5</td>
<td>48 hours</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Vydate</td>
<td>Oxymyl</td>
<td>5</td>
<td>30 hours</td>
<td>n/a</td>
<td>Stable at 4.7</td>
</tr>
<tr>
<td>Parathion, Metacide, Thiophos</td>
<td>Parathion</td>
<td>7</td>
<td>29 hours</td>
<td>120 days</td>
<td>n/a</td>
</tr>
<tr>
<td>Prowl</td>
<td>Pendimethalin</td>
<td></td>
<td>Stable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Ambush, Astro, Pounce</td>
<td>Permethrin</td>
<td>4</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Zolone</td>
<td>Phosalone</td>
<td>6</td>
<td>Stable</td>
<td>Stable</td>
<td>9 days</td>
</tr>
<tr>
<td>Imidan</td>
<td>Phosmet</td>
<td>4.5</td>
<td>4 hours</td>
<td>12 hours</td>
<td>13 days at 4.5</td>
</tr>
<tr>
<td>Dimecron</td>
<td>Phosphamidon</td>
<td>n/a</td>
<td>30 hours</td>
<td>13.5 days</td>
<td>74 days</td>
</tr>
<tr>
<td>Thimet</td>
<td>Pralidoxime chloride</td>
<td>6</td>
<td>Unstable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
<tr>
<td>Omite, Comite</td>
<td>Propargite</td>
<td>6</td>
<td>1 day at 9</td>
<td>331 days at 6</td>
<td>17 days at 3</td>
</tr>
<tr>
<td>ArmorTech® PP 143</td>
<td>Propiconazole</td>
<td>n/a</td>
<td>Stable at pH 5 to 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Princep®</td>
<td>Simazine</td>
<td>5</td>
<td>24 days</td>
<td>n/a</td>
<td>96 days at 5</td>
</tr>
<tr>
<td>SpinTor</td>
<td>Spinosad</td>
<td>6</td>
<td>200 days</td>
<td>Stable</td>
<td>Unstable</td>
</tr>
<tr>
<td>Matador</td>
<td>Tau-flualinate</td>
<td>6.5</td>
<td>Unstable</td>
<td>Stable</td>
<td>Unstable</td>
</tr>
<tr>
<td>Gardona</td>
<td>Tetrachlorvinphos</td>
<td>n/a</td>
<td>80 hours</td>
<td>44 days</td>
<td>53 days</td>
</tr>
<tr>
<td>ArmorTech® TM462</td>
<td>Thiophanate-methyl</td>
<td>6 to 7</td>
<td>Unstable</td>
<td>Stable</td>
<td>Unstable</td>
</tr>
<tr>
<td>Bayleton®</td>
<td>Triadimefon</td>
<td>n/a</td>
<td>Stable over a wide range of pH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dylox®</td>
<td>Trichlorfon</td>
<td>6</td>
<td>63 minutes</td>
<td>6.5 hours</td>
<td>3.7 days at 6</td>
</tr>
<tr>
<td>Monument®</td>
<td>Trifloux sulfuron-sodium</td>
<td>7</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Insignia®</td>
<td>Pyraclostrobin</td>
<td></td>
<td>Stable over a wide range of pH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Treflan®</td>
<td>Trifluralin</td>
<td>Very Stable</td>
<td>Stable</td>
<td>Stable</td>
<td>Stable</td>
</tr>
</tbody>
</table>

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PLANT GROWTH REGULATORS

Anuew™
**PRODUCT DESCRIPTION:** 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.
**LABEL RATE:** 0.17 – 1.0 oz per 1000 sq. ft.
**PACKAGING SIZES:** 4 x 4 x 1.5 lb resealable pouch

ArmorTech® PAC 233
**PRODUCT DESCRIPTION:** Systemic plant growth regulator will slow vertical turf growth within 3–10 days and remain effective for 6–8 weeks.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 1 gallon case

ArmorTech® PGR 113
**PRODUCT DESCRIPTION:** Water based foliar plant growth regulator will reduce clippings and improve stress tolerance.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 1 gallon case, 2 x 2.5 gallon case

Cutless 0.33 G
**PRODUCT DESCRIPTION:** Systemic granular plant growth regulator to reduce pruning and keep landscape plants more compact.
**LABEL RATE:** See label
**PACKAGING SIZES:** 21 lbs pail, 50 lbs bag

Cutless 50W
**PRODUCT DESCRIPTION:** Plant growth regulator to reduce leaf blade and stem intermode elongation resulting in a more compact growth.
**LABEL RATE:** See label
**PACKAGING SIZES:** 4 x 4 x 8 oz case

Cutless MEC
**PRODUCT DESCRIPTION:** Liquid formulation of Cutless plant growth regulator to reduce leaf blade and stem intermode elongation resulting in a more compact growth.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 2.5 gal case

Edgeless
**PRODUCT DESCRIPTION:** Turf growth regulator for use on string trimming areas to reduce labor and time.
**LABEL RATE:** See label
**PACKAGING SIZES:** 8 oz bottle

Legacy
**PRODUCT DESCRIPTION:** Plant growth regulator with two modes of action. Contains flurprimidol and trinexapac-ethyl for quick and lasting growth regulation.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 2.5 gallon case

Musketeer
**PRODUCT DESCRIPTION:** Combines the optimal ratios of flurprimidol, paclobutrazol and trinexapac-ethyl which results in aggressive suppression of Poa annua, more uniform growth suppression, improved turfgrass color and quality, and extended spray intervals.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 2.5 gallon case

Proxy®
**PRODUCT DESCRIPTION:** Proxy helps control growth of desirable cool-season grasses and suppresses seedheads of Poa annua and white clover.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 2.5 gallon case

AQUATICS

Aqua Neat
**PRODUCT DESCRIPTION:** Aquatic use approved glyphosate herbicide for use on emerged weeds, brush and other non-crop areas.
**LABEL RATE:** 1 – 10.25 fl. oz. per gallon
**PACKAGING SIZES:** 2 x 2.5 gal case, 30 gallon drum, 55 gallon drum, 250 gallon tote*

Captain XTR
**PRODUCT DESCRIPTION:** Algae control through INFUSION™ increases the penetration of copper into algae cells and enhances efficacy. Enhanced performance on challenging species such as Lyngbya, Oscillatoria, Microcystis, Pithopora, Rhizoclonium, Nitellopsis.
**LABEL RATE:** 1 lb per acre-foot
**PACKAGING SIZES:** 1 lb

Copper Sulfate
**PRODUCT DESCRIPTION:** Granular copper sulfate for algae control in aquatic uses.
**LABEL RATE:** See label
**PACKAGING SIZES:** 50 lbs bag

Delux
**PRODUCT DESCRIPTION:** An ammonium sulfate based adjuvant to improve herbicide performance. Approved for aquatic use.
**LABEL RATE:** 4 – 10 quarts per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug

Devour
**PRODUCT DESCRIPTION:** Proprietary blend of enzymes, facultative and nonfacultative bacteria accelerates breakdown of partially decomposed organic matter.
**LABEL RATE:** Initial dosage: 3–6 lbs per surface acre, Maintenance dosage: 1.5 – 2.0 lbs per surface acre
**PACKAGING SIZES:** 6 x 0.5 lbs carton, 4 carton case

Diquat SPC 2L
**PRODUCT DESCRIPTION:** Diquat SPC 2L is a non-selective herbicide for fast control of aquatic weeds. Do not apply to moving water or if outflow leads to public waters. **LABEL RATE:** See label
**PACKAGING SIZES:** 1 gallon bottle
Golf course superintendents worldwide put their trust in Aquatrols soil surfactants to optimize soil moisture, improve irrigation efficiency, and save water and energy. Our patented chemistries, Revolution and Dispatch, provide unique performance and playability advantages compared to all other wetting agents.

Contact your ATS sales representative to learn what Aquatrols products can do for you.
AQUATICS

Fluridone / Sonar
PRODUCT DESCRIPTION: Herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, portable water sources, drainage canals and irrigation canals.
LABEL RATE: See label
PACKAGING SIZES: 2.5 gallon jug

Jet Black EZ Solupack
PRODUCT DESCRIPTION: Quick dissolving BLACK water soluble pond dye. Pond dyes can help reduce ultraviolet light penetration creating a less favorable environment for weed growth.
LABEL RATE: 5.25 oz per acre–foot
PACKAGING SIZES: 6 x 5.25 oz case

Komeen
PRODUCT DESCRIPTION: An elemental copper aquatic herbicide for use in slow moving bodies of water. Areas treated may immediately be used for fishing, swimming, drinking and watering livestock.
LABEL RATE: See label
PACKAGING SIZES: 1 gallon bottle

K–Tea
PRODUCT DESCRIPTION: An aquatic herbicide that controls filamentous, planktonic and branched algae.
LABEL RATE: See label
PACKAGING SIZES: 2.5 gallon jug

Precise Pond
PRODUCT DESCRIPTION: Combination of enzymes and bacteria that preemptively digest phosphorus and nitrogen in the water column, while accelerating the breakdown of partially decomposed organic matter, waste and sludge accumulation on lake and pond bottoms.
LABEL RATE: Initial dosage: 3 – 6 lbs per surface acre, Maintenance dosage: 1.5 – 2.0 lbs per surface acre
PACKAGING SIZES: 24 x 0.5 lbs case, 60 x 0.5 lbs case

SeClear
PRODUCT DESCRIPTION: SeClear provides effective control of a broad-range of algae species while reducing in-water phosphorus levels with each application. The result is longer lasting control, improved water quality and aesthetics with reduced maintenance through time.
LABEL RATE: See label
PACKAGING SIZES: 2.5 gallon

Spectrum
PRODUCT DESCRIPTION: Function–specific formulation of select bacteria strains improves water quality by reducing nutrient levels and suspended organic matter in the water column.
LABEL RATE: Initial dosage: 3 – 6 lbs per surface acre, Maintenance dosage: 1.5 – 2.0 lbs per surface acre
PACKAGING SIZES: 6 x 0.5 lbs carton, 4 carton case

SureGuard SC
PRODUCT DESCRIPTION: Residual control of grass and broadleaf weeds, and enhances the speed and spectrum of glyphosate even on glyphosate resistant weeds. Approved for aquatic use sites.
LABEL RATE: 6 to 12 fl oz per surface acre
PACKAGING SIZES: 8 x 1 pt, 4 x 64 fl oz case

Precise Pond
PRODUCT DESCRIPTION: Combination of enzymes and bacteria that preemptively digest phosphorus and nitrogen in the water column, while accelerating the breakdown of partially decomposed organic matter, waste and sludge accumulation on lake and pond bottoms.
LABEL RATE: Initial dosage: 3 – 6 lbs per surface acre, Maintenance dosage: 1.5 – 2.0 lbs per surface acre
PACKAGING SIZES: 24 x 0.5 lbs case, 60 x 0.5 lbs case

Triclopyr 3
PRODUCT DESCRIPTION: For the control of emersed, submersed, and floating plants in aquatic sites. Can also be used to control broadleaf and woody vegetation on banks and shores.
LABEL RATE: Initial dosage: 3 – 6 lbs per surface acre, Maintenance dosage: 1.5 – 2.0 lbs per surface acre
PACKAGING SIZES: 2 x 2.5 gal case, 1 x 30 gal case, 270 gal tote

True Blue
PRODUCT DESCRIPTION: A concentrated BLUE pond dye. Pond dyes can help reduce ultraviolet light penetration creating a less favorable environment for weed growth.
LABEL RATE: See label
PACKAGING SIZES: 1 gallon bottle

True Blue EZ Solupak
PRODUCT DESCRIPTION: Quick dissolving BLUE water soluble pond dye. Pond dyes can help reduce ultraviolet light penetration creating a less favorable environment for weed growth.
LABEL RATE: 5.25 oz per foot–acre
PACKAGING SIZES: 6 x 5.25 oz case

WETTING AGENTS

Alypso Plus
PRODUCT DESCRIPTION: This unique, naturally-derived surfactant with concentrated organic acid reduces the surface tension of water and improves the infiltration of irrigation through thatch and into hard-to-wet soils, which are often encountered on golf courses and athletic fields. Sprayed or injected, Alypso Plus also reduces water pH in the spray tank and improves the performance of pH-sensitive products.
LABEL RATE: 0.75 to 1 oz per 1000 sq ft
PACKAGING SIZES: 2 x 2.5 gallon case, 55 gallon drum

Aqueduct
PRODUCT DESCRIPTION: Aqueduct moves water deeply into problem areas, reducing water repellency and restoring the soil’s ability to regain optimum moisture levels. Also available in a granular formulation
LABEL RATE: 8 oz per 1000 sq ft
PACKAGING SIZES: 2 x 2.5 gallon case, 50 lb bag (granular)
Cascade Plus
**PRODUCT DESCRIPTION:** Cascade Plus is a long-term wetting agent used to prevent localized dry spot and correct hydrophobic soil conditions. Cascade Plus moves water faster and deeper into the soil profile for longer periods of time. Also available in a granular formulation.
**LABEL RATE:** 16 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case, 20 gallon drum, 50 gallon drum, 42 lb bag (granular)

Dispatch Injectable
**PRODUCT DESCRIPTION:** Dispatch helps reduce water usage by up to 25% by increasing penetration and decreasing runoff, and it has also been shown to increase the efficacy of nitrogen fertilizers and soil targeted pesticides.
**LABEL RATE:** 12 – 24 oz per acre
**PACKAGING SIZES:** 30 gallon drum, 50 gallon drum

Dispatch Sprayable
**PRODUCT DESCRIPTION:** Dispatch Sprayable is non-phytotoxic and tank mix compatible with all turf chemicals so it can be applied with every fairway spray.
**LABEL RATE:** 16 – 24 oz per acre
**PACKAGING SIZES:** 2 x 2.5 gallon case, 30 gallon drum

EZ Tabs
**PRODUCT DESCRIPTION:** EZ Tabs are a unique blend of polymeric surfactants designed to increase water infiltration and improve water retention. EZ Tabs can be used to provide rescue treatment for localized dry spots.
**LABEL RATE:** As needed
**PACKAGING SIZES:** 24 x 6 oz case

HydroPak® Stress Reliever Tabs (SRT)
**PRODUCT DESCRIPTION:** HydroPak® SRT is exactly what stressed turf craves. SRT tabs contain humic acids, amino acids, endo and ecto mycorrhizae and two different wetting agents to penetrate and hold water where it is needed.
**LABEL RATE:** One tab will treat 12,000 – 24,000 sq ft.
**PACKAGING SIZES:** 12 pellet case

HydroPak® Command
**PRODUCT DESCRIPTION:** Organic acid penetrant that reduces soil surface tension and improves water infiltration allowing water and nutrients to reach the root zone.
**LABEL RATE:** 16 – 32 oz per acre
**PACKAGING SIZES:** 2 x 2.5 gal case

HydroPak® Matador
**PRODUCT DESCRIPTION:** Matrix active soil surfactant to establish and maintain a consistent moisture level in the root zone. Matador is safe to use on all types of turf throughout the growing season.
**LABEL RATE:** 2 – 4 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gal case

Revolution
**PRODUCT DESCRIPTION:** Revolution is the ultimate wetting agent for greens, tees, and approaches and is guaranteed to reduce hand watering, produce remarkably uniform soil moisture from the surface down through the soil profile and across topography of greens, and provide firmer putting surfaces.
**LABEL RATE:** 6 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case, 30 and 55 gallon drum

Triplo
**PRODUCT DESCRIPTION:** A combination of surfactants designed to increase the movement of irrigation and rainwater into and throughout the rootzone of natural playing surfaces.
**LABEL RATE:** 2.5 – 5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case, 20 gallon drum

Vivax™
**PRODUCT DESCRIPTION:** A combination of new surfactant technologies designed to manage water across a wide range of soil and turf types, making it ideal for use on golf courses and sports turf.
**LABEL RATE:** 5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2 x 2.5 gallon case, 20 gallon drum

Vivax™ 10G
**PRODUCT DESCRIPTION:** A combination of surfactants that increase volumetric water content and improve water infiltration across a wide range of soils and turf types. Its granular formulation makes Vivax 10G suitable for use on golf courses, athletic fields and other turf areas.
**LABEL RATE:** 3.5 lbs per 1000 sq. ft.
**PACKAGING SIZES:** 42 lb bag

Vivax™ Tabs
**PRODUCT DESCRIPTION:** Improves water infiltration into and throughout localized dry spots (LDS) and provides relief from plant stress across a wide range of soils and turf types.
**LABEL RATE:** 1 tablet per 12,000 – 18,000 sq. ft. of turf
**PACKAGING SIZES:** 24 6oz tablets per case

AquaLock
**PRODUCT DESCRIPTION:** AquaLock is a unique wax dispersion that forms a thin, flexible, water-repellent layer on plant surfaces. AquaLock protects plants against drought, extreme temperatures, wind and sunscald. AquaLock may extend watering intervals for turf and ornamental crops.
**LABEL RATE:** 4 – 8 oz per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug

Border 2.0
**PRODUCT DESCRIPTION:** 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.
**LABEL RATE:** 2 – 4 pints per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug
Chem-Stik
**PRODUCT DESCRIPTION:** Chem-Stik is a nonionic spreader sticker formulated to improve leaf surface coverage and provide wash off protection from untimely rainfall. Chem-Stik will increase wetting, adhesion and endurance of pesticide sprays.
**LABEL RATE:** 4 – 8 oz per 100 gallons
**PACKAGING SIZES:** 1 quart

Chem-Stik LpH
**PRODUCT DESCRIPTION:** A combination nonionic surfactant with buffering agents to improve leaf coverage and protect pesticides from high pH water.
**LABEL RATE:** 16 – 48 oz per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug

Compound
**PRODUCT DESCRIPTION:** A multifunctional activator adjuvant blend that effectively buffers pH and improves the performance of tank mixes while maximizing spread, enhancing plant cuticle and cell wall penetration, and reducing drift.
**LABEL RATE:** 1 – 3 pints per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug

Delux
**PRODUCT DESCRIPTION:** An ammonium sulfate based adjuvant to improve herbicide performance. Approved for aquatic use.
**LABEL RATE:** 4 – 10 quarts per 100 gallons
**PACKAGING SIZES:** 2.5 gallon jug

Direct
**PRODUCT DESCRIPTION:** Direct is a drift retardant adjuvant.
**LABEL RATE:** 1 – 4 oz per 100 gallons
**PACKAGING SIZES:** 1 quart

Foliar–Pak® Armament™ Concentrate
**PRODUCT DESCRIPTION:** Armament technology is a patented, biodegradable nutrient enhancer. This high molecular weight structure holds a large population of negative charges. These negative charges gently complex positively charged metals, keeping them in solution.
**LABEL RATE:** 40 – 50 oz per acre
**PACKAGING SIZES:** 2 x 2.5 gallon case

Erase Tank and Pigment Cleaner
**PRODUCT DESCRIPTION:** Erase emulsifies oily residues in sprayer lines and hoses while elevating rinsate pH to degrade vulnerable plant protection products.
**LABEL RATE:** 1 quart per 50 gallons of rinsate
**PACKAGING SIZES:** 12 x 1 quart case

Knockdown Foam Suppressant
**PRODUCT DESCRIPTION:** Knockdown quickly reduces foam or can be used to prevent foam from occurring.
**LABEL RATE:** 1 – 4 oz per 100 gallons of water
**PACKAGING SIZES:** 12 x 1 quart case

Microyl Crop Oil Replacement Adjuvant
**PRODUCT DESCRIPTION:** A unique activator adjuvant that provides superior performance and improved turfgrass safety. Replaces methylated seed oil and crop oil adjuvants.
**LABEL RATE:** 3 – 4 pints per 100 gallons
**PACKAGING SIZES:** 1 gallon bottle, 2.5 gallon jug

New Balance
**PRODUCT DESCRIPTION:** New Balance is a safe, citric-based pH acidifier and nonionic surfactant specifically designed to modify spray solution and prevent alkaline hydrolysis.
**LABEL RATE:** 3 – 4 pints per 100 gallons
**PACKAGING SIZES:** 1 gallon bottle

Green Shade Optimizer
**PRODUCT DESCRIPTION:** Optimizer is a green turf stress protecting pigment. Optimizer can help reduce stress while providing a uniform green color that stays on the plant until it’s mowed away. Optimizer does contain copper.
**LABEL RATE:** 16 oz per acre
**PACKAGING SIZES:** 4 x 1 gallon case, 12 x 1 quart case

Runway Turf Marking Foam
**PRODUCT DESCRIPTION:** Runway is formulated to minimize golfer awareness of pesticide applications compared to agricultural foams. Runway dissipates quickly without discoloring turf.
**LABEL RATE:** 3 oz per 2 gallons
**PACKAGING SIZES:** 12 x 1 quart case

Signal Blue EZ Solupaks
**PRODUCT DESCRIPTION:** Blue spray indicator in water soluble packs.
**LABEL RATE:** 1 pack per 50 gallons of water
**PACKAGING SIZES:** 48 x 2 oz case

Sync
**PRODUCT DESCRIPTION:** Adjuvant that enhances performance of contact and systemic fungicides, and lengthens disease control at reduced water volume on a wide variety of turf diseases. Also compatible with herbicides.
**LABEL RATE:** 1 pt per 100 gallons of spray solution.
**PACKAGING SIZES:** 12 x 1 pt. case

Turf Screen™
**PRODUCT DESCRIPTION:** The all-natural active ingredients in Turf Screen with ESP – titanium dioxide and zinc oxide – reflect, scatter and absorb both UVA and UVB rays. Turf Screen is completely safe for your turf and the environment. Independent testing shows Turf Screen effectively improves turf quality.
**LABEL RATE:** 0.75 – 2.5 oz per 1000 sq. ft.
**PACKAGING SIZES:** 2.5 gallon
we’ve got water
DOWN TO A SCIENCE

Breaks surface tension to allow faster infiltration
Hydrates the root zone for healthier turf
Provides uniform distribution of water for more consistent surfaces

Achieve the balance between playability and plant health with Vivax®
AerShot Detailing Foam
**PRODUCT DESCRIPTION:** The AerShot Detailing foam is the most efficient product on the market in removing blemishes from golf course features. Natural weathering, chemical applications, and pigments are easily removed with a simple application. Just point, shoot, and walk away. The foaming cleaners will break down blemishes in a matter of minutes, with no scrubbing or washing. Safe to use on sprinkler heads, metal and stone markers, and equipment. Indirect spray will not damage turf.
**PACKAGING SIZES:** 18 oz

Flight Control Plus
**PRODUCT DESCRIPTION:** Goose repellent, anti-feeding agent.
**LABEL RATE:** 1 gallon per acre
**PACKAGING SIZES:** 1 gallon bottle, 2.5 gallon jug, 1 quart

Talpirid Mole Bait
**PRODUCT DESCRIPTION:** Mole bait in the shape of earthworms to be placed in the runs.
**LABEL RATE:** See label
**PACKAGING SIZES:** 2 x 10 worm box

Don’t see what you need?
Ask your rep about additional products!
Visit [www.advancedturf.com](http://www.advancedturf.com) for our most up to date offerings.
Establish yourself as the MVP faster than ever with the rapidly germinating Turf Blue HGT. This vigorous Kentucky Bluegrass is specifically bred for superior disease resistance and high traffic—even in challenging Transition Zone climates. And with its quick self-recovery, your turf is guaranteed to maintain its reputation for world-class performance.

Let us help you build your legacy. See how at barusa.com
Jubilee Bermudagrass Blend

**PRODUCT DESCRIPTION:** 70% Riviera Bermudagrass, 30% Transcontinental Bermudagrass with Gold Coat seed coating technology.

**SEEDING RATE:** 1 – 2 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 20 lbs bag

Riviera

**PRODUCT DESCRIPTION:** Riviera is the result of many years of selection for improved turf quality, cold tolerance, seed production, and disease resistance in the transition zone. With Yellow Jacket® enhanced seed coating.

**SEEDING RATE:** 1 – 2 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 25 lbs bag

Transcontinental

**PRODUCT DESCRIPTION:** Transcontinental can be used in a wide variety of situations including sports fields, schools, commercial turf, and golf courses. It has a dark green color with a fine leaf-blade texture, improved cold tolerance, and is excellent in hot and humid conditions. With Foliar–Pak XCD coating.

**SEEDING RATE:** 1 – 2 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 25 lbs bag

Advanced Landscape Mix

**PRODUCT DESCRIPTION:** 50% PR, 30% KB, 20% Creeping Red Fescue

**SEEDING RATE:** 5 – 6 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 50 lbs bag

Advanced Sunny Mix

**PRODUCT DESCRIPTION:** 70% PR, 30% KB

**SEEDING RATE:** 5 – 6 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 50 lbs bag

SOS® Max / SOS 400 Turf-Type Annual Rye Blends

**PRODUCT DESCRIPTION:** SOS (Super Over Seeding) is the most advanced overseeding program available providing excellent turf quality, high wear tolerance, and fast germination and establishment. SOS Max and SOS 400 are 100% Turf Annual Rye blend which shows a natural spring transition from winter overseeding grass to your bermudagrass base.

**SEEDING RATE:** 7 – 15 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 50 lbs bag

Sunrye GLR Blend

**PRODUCT DESCRIPTION:** Pure Seed presents Sunrye GLR, a carefully selected blend of disease resistant and drought tolerant ryegrass varieties. Sunrye displays a very dark green color and density at variable mowing heights. Available with Purecoat+ seed coating.

**SEEDING RATE:** 4 – 8 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 50 lbs bag

Turf Star® RPR®

**PRODUCT DESCRIPTION:** Barenbrug’s innovative research has produced a new turf perennial ryegrass subspecies; Lolium perenne ssp. stoloniferum. Called RPR, ‘Regenerating Perennial Ryegrass’, it exhibits superior traffic tolerance and recovery. A spreading perennial ryegrass, RPR produces a determinate stolon and outperforms traditional perennial ryes. Featuring Barbeta and Bargamma RPR varieties. Also available with Yellow Jacket® enhanced seed coating.

**SEEDING RATE:** 6 – 7 lbs per 1000 sq. ft.

**PACKAGING SIZES:** 50 lbs bag
BLUE BLENDS

Advanced 80/20, KB/PR Mix
PRODUCT DESCRIPTION: Mountain View Seeds mix of 80% high rated NTEP Bluegrass varieties, 20% elite PR.
SEEDING RATE: 3 – 4 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag, 10 lbs bag

Advanced Athletic 50/50, KB/PR Mix
PRODUCT DESCRIPTION: Elite varieties of Kentucky Bluegrass and Perennial Ryegrass. Available with Foliar–Pak XCD coating.
SEEDING RATE: 4 – 5 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag, 10 lbs bag

Advanced Elite Blue Blend
PRODUCT DESCRIPTION: Blend of highly rated NTEP Elite Kentucky Bluegrass varieties.
SEEDING RATE: 2 – 3 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Turf Blue® HGT®
PRODUCT DESCRIPTION: Featuring Turf Blue Healthy Grass Technology (HGT) is a hearty bluegrass that is easy to grow, fast to establish, and resistant to disease. These benefits combined with a remarkable tolerance to heavy traffic make HGT the ideal choice for any bluegrass application. Available with Yellow Jacket® enhanced seed coating.
SEEDING RATE: 2 – 3 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Turf Blue® HGT® 80/20, KB/RPR® Mix
PRODUCT DESCRIPTION: Turf Blue HGT 80/20, KB/ RPR is a blend of 80% Barenbrug's new Healthy Grass Technology (HGT) Bluegrass and 20% Regenerating Perennial Ryegrass (RPR) Available with Yellow Jacket® enhanced seed coating.
SEEDING RATE: 3 – 5 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

FINE FESCUE BLENDS

Advanced Shade Mix
PRODUCT DESCRIPTION: 35% Creeping Red Fescue, 20% Chewings Fescue, 20% PR, 15% Hard Fescue, 10% Kentucky Bluegrass
SEEDING RATE: 5 – 6 lbs per 1000 sq. ft.
PACKAGING SIZES: 10 lbs bag, 50 lbs bag

Pure Seed Fine Fescue Blend
PRODUCT DESCRIPTION: 35% Shademaster III Creeping Red Fescue, 33% Enchantment Chewings Fescue, 32% Bighorn GT Hard Fescue
SEEDING RATE: 3 – 5 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

TALL FESCUE BLENDS

Advanced Athletic Tuff Mix
PRODUCT DESCRIPTION: 80% TTTF, 10% KB, 10% PR
SEEDING RATE: 6 – 8 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Advanced Contractors Mix
PRODUCT DESCRIPTION: 70% TF, 20% Gulf Annual Ryegrass, 10% PR
SEEDING RATE: 6 – 8 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag
SUNGOLD XPS <Xtreme Performance System> is a complete system with the most resilient tall fescues on the market. Developed by Pure-Seed Testing for the latest technologies and advancements in spreading tall fescue with extensive recovery from drought and significant water reducing capabilities. SUNGOLD XPS has an unbeatable resistance to Brown Patch, and a dense root system that allows it to perform excellent under stress and deliver a healthy turfgrass solution.

Qualified by the Turfgrass Water Conservation Alliance, the components of SUNGOLD XPS have gone through the most rigorous drought tolerant testing on the market.

FIND OUT MORE AT WWW.PURESEED.COM
For generations, the Barenbrug family has worked to make the best seed on the market. We believe in producing sports turf grasses that can withstand heavy traffic year after year and remain picturesque for players and fans whenever they visit—or revisit—their favorite venue. No matter the sport, we'll make your turf a star player.

Let us help you build your legacy. See how at barusa.com.
TALL FESCUE BLENDS

Advanced TFR Mix
PRODUCT DESCRIPTION: 90% TTTF; 10% PR
SEEDING RATE: 6 – 8 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Sungold Plus
PRODUCT DESCRIPTION: 30% Endeavor II TTTF, 30% Cumberland TTTF, 30% Rain Dance TTTF, 10% Full Moon KB
SEEDING RATE: 8 – 10 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Sungold Tall Fescue Blend
PRODUCT DESCRIPTION: 34% Endeavor TTTF; 33% Cumberland TTTF; 33% Rain Dance TTTF
SEEDING RATE: 8 – 10 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

Turf Saver® RTF®
PRODUCT DESCRIPTION: Turf Saver RTF is the most advanced tall fescue blend on the market. It is a unique combination of regular, high quality tall fescues and RTF. RTF, Rhizomatous Tall Fescue, gives Turf Saver the added value no other tall fescue blends have. 40% BARFA 7676; 30% Barrington TTTF; 30% Bravado TTTF.
SEEDING RATE: 7 – 8 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag, 50 lbs bag

Turf Saver® RTF® + HGT®
PRODUCT DESCRIPTION: Combines Turf Saver RTF with Healthy Grass Technology (HGT). 95% Turf Saver RTF; 5% HGT Kentucky Bluegrass blend with Yellow Jacket coating.
SEEDING RATE: 7 – 8 lbs per 1000 sq. ft.
PACKAGING SIZES: 50 lbs bag

BENTGRASS BLENDS

Advanced Bent Restoration Blend
PRODUCT DESCRIPTION: 50% Bengal Creeping Bentgrass, 50% Crystal BlueLinks Bentgrass with Yellow Jacket® enhanced seed coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs pail

Advanced Bent Tee Blend
PRODUCT DESCRIPTION: A blend of Barrcuda Creeping Bentgrass and Shark Creeping Bentgrass. With Foliar–Pak XCD coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag

Ask about our sod quality mixes!
BENTGRASS

Predator Blend
PRODUCT DESCRIPTION: An elite blend of Barracuda and Piranha Bentgrass. With Foliar–Pak XCD coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag

PureGreen Pro
PRODUCT DESCRIPTION: An elite blend of Pure Distinction, Pure Select, and A-1 Bentgrass. With Foliar–Pak XCD coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag

CBL Pureway Pro
PRODUCT DESCRIPTION: An elite blend of Pure Select and Crystal Bluelinks Bentgrass. With Foliar–Pak XCD coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag

Advanced Bent Tee Blend
PRODUCT DESCRIPTION: An elite blend of Shark and Barracuda Bentgrass. With Foliar–Pak XCD coating.
SEEDING RATE: 1 – 1.5 lbs per 1000 sq. ft.
PACKAGING SIZES: 25 lbs bag

Ask about our new seed coating, Foliar–Pak XCD!
Our “research first” approach will never be compromised. Lead by the 2008 plant breeder of the year Crystal Rose-Fricker, along with Dr. Melodee Fraser, Pure-Seed Testing is devoted to developing the world’s best turf varieties. Our network of companies share the common vision to develop, produce, and market solution-based products focused on reducing environmental and economic pressure while building tolerance to specific stresses.


FIND OUT MORE AT WWW.PURESEED.COM
ANCILLARY PRODUCTS

ConTack® Organic Tackifier
**PRODUCT DESCRIPTION:** 100% guar gum based for an efficient and effective method of dust and erosion control, and mulch/straw binding. Creates fiber-to-seed-to-soil bond (without hardening) that reduces the need for reseeding while minimizing soil erosion. An alternative where organic-based tackifiers are required.
**PACKAGING SIZES:** 8 x 5 lbs bags, 4 x 50 lbs bags/pallet

Conwed Fibers® EnviroBlend® with TriFlo™
**PRODUCT DESCRIPTION:** Combines 100% thermally refined wood fiber with the highest quality cellulose for a higher quality mulch and unsurpassed performance. Now with TriFlo for improved moisture retention.
**PACKAGING SIZES:** 50 lbs

Futerra® EnviroNet™
**PRODUCT DESCRIPTION:** Futerra® EnviroNet™ takes advantage of advanced Futerra® technology, reinforced with a quickly degrading, rectangular netting designed to minimize wildlife entanglement and improve site safety. EnviroNet is created for slopes and environmentally sensitive sites where windy conditions and/or higher levels of installation stress may be encountered.
**PACKAGING SIZES:** 82” x 135’

JetSpray® Fiber Mulch
**PRODUCT DESCRIPTION:** Jet Spray® is among today’s most sophisticated wood-cellulose hydraulic mulches—and you don’t need a big machine to use it. Made from 100% recycled fibers.
**PACKAGING SIZES:** 40 lbs

Second Nature® Wood Fiber Blend Mulch
**PRODUCT DESCRIPTION:** Combination of 100% thermally refined wood fiber and high quality cellulose fiber (70 / 30). Provides increased surface coverage, erosion control, and turf establishment compared to 100% cellulose fiber.
**PACKAGING SIZES:** 50 lbs

Seed Aide®
**PRODUCT DESCRIPTION:** CoverGrow combines recycled cellulose and wood fiber mulch granules, organic tackifier and a biostimulant for small area repairs or as a leave behind for touch-up work on larger, hydraulic mulch projects. It can be applied by hand, with a high-volume drop spreader or with a large-opening broadcast spreader.
**PACKAGING SIZES:** 40 lbs

Sod Staples
**PRODUCT DESCRIPTION:** Sod Staples are perfect for securing seed blankets to the ground.
**PACKAGING SIZES:** 36.5 lbs box (1000 staples)

Straw Blankets
**PRODUCT DESCRIPTION:** Double Netting Over Straw
**PACKAGING SIZES:** 8’ x 112.5’

Terra–Mulch® Cellulose
**PRODUCT DESCRIPTION:** This hydraulic mulch provides erosion control that is superior to straw for nearly the same cost. It is ideal for general seeding.
**PACKAGING SIZES:** 50 lbs

Don’t see what you need?
Ask your rep about additional products!
Visit [www.advancedturf.com](http://www.advancedturf.com) for our most up to date offerings.
**INFIELD CONDITIONERS**

**Pro’s Choice Red**  
**PRODUCT DESCRIPTION:** Designed to meet the challenges of wet, dry, or compacted infields, this unique durable granule helps create passageways for drainage and eliminate compaction for truer bounces and safer play.  
**PACKAGING SIZES:** 50 lbs bag

**Pro’s Choice Select**  
**PRODUCT DESCRIPTION:** This premium infield conditioner keeps infields smooth, safe and resilient. Its specially sized granules and red color makes the perfect infield topdressing.  
**PACKAGING SIZES:** 50 lbs bag

**Pro’s Choice Pro Red**  
**PRODUCT DESCRIPTION:** The only deep red conditioner that maintains its rich color. Used by professional groundskeepers to achieve a championship look and formulated for uniform particle size and durability.  
**PACKAGING SIZES:** 50 lbs bag

**Pro’s Choice Rapid Dry**  
**PRODUCT DESCRIPTION:** Stay in the game with Rapid Dry drying agent. These tiny granules are designed to quickly wick away excess water from your infield and keep your games playing safely and without delay.  
**PACKAGING SIZES:** 50 lbs bag

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**INFIELD MIXES**

**DuraEdge® Classic**  
**PRODUCT DESCRIPTION:** Blend of 72% sand, 12% silt, 16% clay. Lower silt to clay ratio enables a firm playing surface. Low maintenance—does not require access to water to maintain field.  
**PACKAGING SIZES:** 50 lbs bag

**DuraEdge® Collegiate**  
**PRODUCT DESCRIPTION:** Blend of 67% sand, 15% silt, 18% clay. Increased clay content—creates a “tighter” playing surface without a ton of maintenance. Requires access to water to manage moisture content of field.  
**PACKAGING SIZES:** 50 lbs bag

**DuraEdge® Professional**  
**PRODUCT DESCRIPTION:** Blend of 60% sand, 18% silt, 22% clay. Highest clay content of DuraEdge Infield Mixes. Creates firm, corky playing surface. Requires access to water to manage moisture content of field.  
**PACKAGING SIZES:** 50 lbs bag
INFIELD CONDITIONER

HOW TO CONDITION YOUR FIELD
Treat the top 1"-4" of the skinned area with Pro’s Choice® Conditioner to effectively add a moisture control system to your infield. The porous granules absorb their own weight in water to allow for quicker playability after a rainfall. During dry times, these granules retain moisture to help prevent your field from becoming dusty.

1. Empty bags on skinned area and spread with drag mat.

2. Step #2: Blend into top 3-4" of soil with rototiller.

3. Step #3: Moisten infield and roll with mechanical or hand roller.


PACKING CLAY

HOW TO BUILD YOUR MOUND
Use Pro’s Choice packing clay to form a durable, solid subsurface in batter’s boxes and pitcher’s mounds to give players solid footing and alleviate common wear problems. Preferred by coaches and groundskeepers at all levels of the game, packing clay is a valuable addition to every field and reduces maintenance season after season.

1. Remove top 4-6" of top soil

2. Lightly water and allow to soak in.

3. Apply Pro Mound and tamp to compact within 1/2" of surface.

4. Cover with infield mix, tamp and finish with Pro’s Choice.

Make Pro’s Choice a part of your regular field maintenance program.
800-648-1166 • www.proschoice1.com • /proschoiceconditioners • /pros_choice

BUILDING BETTER BALLFIELDS
WHY J&D TURF?

J&D Turf has practical, hands-on experience growing and maintaining athletic fields. No matter what field, turf, or dirt problem, the team has not only seen it firsthand, they've overcome it using their Smart Turf approach.

J&D Turf is the Midwest’s only full-service sports turf product distribution, construction, consultation and maintenance company. Uniquely positioned to service the sports turf market, J&D Turf partners practical know-how with outstanding customer service to deliver maximum value.

SERVICES

Construction & Renovation
Product Distribution
Consultation
Maintenance

J&D Turf

12955 Ford Drive • Fishers, IN 317-842-1088
8 Cermak Boulevard • St. Peters, MO 314-993-6700
www.j-dturf.com
FieldSaver™ – Engineered Soil Technology

**PRODUCT DESCRIPTION:** The cornerstone of Natural Sand’s revolutionary Engineered Soil Technology program, FieldSaver™ saves clients from “remove and replace” infield solutions. FieldSaver™ is a custom system that amends current infield mixes to condition, add clay content and bind existing infield skins. Ask about testing to determine the right blend for your field.

**PACKAGING SIZES:** Bulk

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DuraPitch™ Premium Mound Clay

**PRODUCT DESCRIPTION:** DuraPitch™ Premium Mound Clay is moisture balanced mound clay so you’ll never have to prepare the clay before applying it. Dura Pitch is blended by computer-controlled machines, creating the perfect mound clay time and time again.

**PACKAGING SIZES:** 50 lbs bag

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Pro’s Choice Pro Mound

**PRODUCT DESCRIPTION:** A unique blue gumbo packing clay, Pro Mound bonds to form a solid subsurface that allows players to “dig in” and establish footing without leaving large holes. Also available in preformed bricks.

**PACKAGING SIZES:** 50 lbs bag, 320 brick pallet

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BlackStick™ Gumbo Mound Clay

**PRODUCT DESCRIPTION:** Dark gray, 100% Pure Gumbo clay. Ready to use right out of the bag, crushed and pre-screened down to ⅛”. Extreme packing density.

**PACKAGING SIZES:** 50 lbs bag

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Line Marking Chalk

**PRODUCT DESCRIPTION:** Made from calcium carbonate our standard line marking chalk is safe for players, equipment and turf. For quantity needed, follow this simple rule of thumb: one 50 lb bag of chalk will stripe approximately 300’ L x 2” W x 1/16” D line

**PACKAGING SIZES:** 50 lbs bag

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DuraTrax® Warning Track Mix

**PRODUCT DESCRIPTION:** DuraTrax from Natural Sand Co. increases player safety while enhancing the look of your ball field. Provides the following benefits: facilitates drainage with minimal maintenance, won’t stain or fade like artificially dyed material, and reduces the migration of material and weeds.

**PACKAGING SIZES:** Bulk

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FieldSaver™ – Engineered Soil Technology

**PRODUCT DESCRIPTION:** The cornerstone of Natural Sand’s revolutionary Engineered Soil Technology program, FieldSaver™ saves clients from “remove and replace” infield solutions. FieldSaver™ is a custom system that amends current infield mixes to condition, add clay content and bind existing infield skins. Ask about testing to determine the right blend for your field.

**PACKAGING SIZES:** Bulk
**MARKING PAINT**

**iGO Deluxe Marking Machine**
**PRODUCT DESCRIPTION:** The next generation spray marking machine for a range of playing and recreational surfaces, both natural and synthetic. The iGO is developed for grounds staff by grounds staff who want the best equipment for line marking. The machine is easy to set up, operate, and clean after use. All iGOS come with a simple on-off power button the gives the operator full control, a heavy-duty pump that ensures constant pressure, a rechargeable battery that can be charged on the machine or removed and charged off site, marker discs, and a variety of unique cone nozzles.

**iGO Mini Marking Machine**
**PRODUCT DESCRIPTION:** A superb line marker for clubs and schools with a small number of sports fields. The iGO Mini has similar features to the iGO Standard and is smaller.

**Impact Line Marking Paint**
**PRODUCT DESCRIPTION:** Environmentally friendly paint for playing fields and sports courts. This paint is developed for the iGO and can also be used in other machines as well. With Impact, it is possible to over mark a football pitch from 1.5 liter (0.4 gallons) of paint using a red cone nozzle.
**PACKAGING SIZES:** 10 liter (2.64 gallons) canister

**Impact XP Line Marking Paint**
**PRODUCT DESCRIPTION:** Environmentally friendly paint for playing fields and sports courts. The paint is developed for the iGO machines and can be applied with cone as well as flat fan nozzles. It allows you to over-mark a standard sized football pitch from as little as one liter of paint.
**PACKAGING SIZES:** 5 liter, 10 liter (1.32 gallons, 2.64 gallons) canister, and 6 liter (1.32 gallons) eco-bag

**Primeline Synthetic Grass Paint**
**PRODUCT DESCRIPTION:** A high quality, flexible water based polyurethane/acrylic paint for use on synthetic grass pitches. Depending on usage and weather conditions, it is anticipated that two markings would be required per year.
**PACKAGING SIZES:** 10 liter (2.64 gallons) canister

**Flush Thru for iGO**
**PRODUCT DESCRIPTION:** Flush Thru is a specially formulated ready-to-use cleaner, for use with all iGO, iGO Mini and other spray machines. It is ideal for regular cleaning maintenance, preventing accumulation of paint residues in piping, filters, pumps and nozzles.

**Green Out**
**PRODUCT DESCRIPTION:** Specially formulated to cover applied markings on grass to allow for change of playing use, where the change needs to be made quickly. The color has been specifically mixed to blend in with the majority of grass types and dries quickly to allow over-painting with the minimum of delay.
**PACKAGING SIZES:** 10 liter (2.64 gallons) canister

**Seymour Of Sycamore Athletic Field Marking Paint**
**PRODUCT DESCRIPTION:** Athletic field white water based paint. Specially formulated for line striping athletic fields. Makes 3” – 6” wide stripes that are ready for use in 30 minutes. Safe on grass and long lasting. VOC compliant.
**PACKAGING SIZES:** 12 x 17 oz case

**Seymour Of Sycamore Golf & Turf Marker Classic Paint**
**PRODUCT DESCRIPTION:** Non-clogging and will not brown grass. Long lasting and fade resistant. Fast drying and produces vivid lines. Each can stripes approximately 200 linear feet.
**PACKAGING SIZES:** 12 x 17 oz case

Don’t see what you need?
More products are available in our Sports Field resource guide.
We are setting new standards for precision line marking

- Intuitive and fast - both initial marking and over markings
- Comfortable work environment
- Improved ergonomics
- Precision and speed second to none
- Full documentation
- Market-leading operational efficiency
- Designed to fit vehicles with power steering
- Short pay back time

Contact us and learn more
E-mail: info@traqnology.com
www.traqnology.com

Traqnology is showing the way for innovative, efficient and flexible GPS-based autosteering and line marking solutions.

We are raising the standards for precision line marking with a user-scentric approach, optimising workflow and investment costs.
ICE MELT

5° Below
PRODUCT DESCRIPTION: 5° Below is an economical ice melt blend that is gentle and easy to use. It contains calcium chloride and is coated with magnesium chloride to quickly melt snow and ice down to -5°F.
PACKAGING SIZES: 50 lbs bag

20° Below+
PRODUCT DESCRIPTION: 5-way ice melt blend including CMA, magnesium and calcium chloride provides instant heat to help melt snow at colder temperatures. Quickly melts snow and ice down to -20°F.
PACKAGING SIZES: 50 lbs bag

Calcium Chloride – Peladow® Pellets, Dow Flake™ Xtra Flakes
PRODUCT DESCRIPTION: Calcium chloride is a fast, effective ice-melt material, melting and penetrating ice at temperatures as low as -25°F. For more than 100 years, calcium chloride products have helped make the surfaces of sidewalks, driveways, parking lots and roads safer. The pellets are perfect for steps, sidewalks, driveways, and parking lots. The flakes are faster melting; ideal for deicing paved roads, service and access roads, driveways, and parking lots.
PACKAGING SIZES: Pellets – 50 lbs bag, Flakes – 50 lbs bag

Magnesium Chloride – MAG® Ice Melting Pellets & Flakes
PRODUCT DESCRIPTION: Magnesium Chloride is safe and effective ice-melt material, melting ice at temperatures as low as -13°F. Magnesium Chloride is less corrosive to metal and concrete surfaces, safer around vegetation, animals and humans, and more environmentally friendly than traditional ice melt products.
PACKAGING SIZES: Pellets – 50 lbs bag, Flakes – 50 lbs bag

Morton® Pro Speed / Morton® Pro Speed Blue
PRODUCT DESCRIPTION: Morton® Pro Speed is a blend of sodium chloride and calcium chloride that generates heat to melt ice and snow down to -15°F. It works faster than rock salt alone. For fast, visible ice melting, try Morton® Pro Speed Blue.
PACKAGING SIZES: 50 lbs bag

BAGGED SALT

Ice Away® – Rock Salt
PACKAGING SIZES: 50 lbs bag

Morton® Safe T Salt® Rock Salt
PRODUCT DESCRIPTION: Morton® Safe-T-Salt® Rock Salt is the economical ice melt choice. It melts ice and snow from driveways, parking lots and streets. Morton® Safe-T-Salt® rock salt will flow freely through spreaders. Do not use on brick or flagstone walkways having mortar joints.
PACKAGING SIZES: 50 lbs bag

BULK SALT

Bulk ASTM-Grade Highway Salt
PRODUCT DESCRIPTION: Available in most metropolitan and surrounding areas within the Advanced Turf Solutions service areas.
*Treated bulk salt available in select areas.
PACKAGING SIZES: Bulk quantities

Don’t see what you need? Questions about Bulk Salt?
Ask your rep about bulk logistics and additional ice melt products!
Visit www.advancedturf.com for our most up to date offerings.
20° BELOW
+ CMA

- QUICKLY MELTS SNOW & ICE DOWN TO -20°F
- TWENTY BELOW PROVIDES INSTANT HEAT TO HELP MELT AT COLDER TEMPERATURES
- 5-WAY BLEND INCLUDING CMA, MAGNESIUM, & CALCIUM CHLORIDE TO HELP MELT AT COLDER TEMPERATURES
Quality you can trust

From professionals – for professionals

Super Star 1.25
Versatile compression sprayer with 360 degree spray function

XL 8
The most effective telescoping wand on the market that extends up to 24 feet

Flox 10
The classic and most proven sprayer in the field

REC 15
Lithium ion battery powered unit that can recharge in 1 hour. Electronically controlled pressure ranges from 7 to 86 psi

Granomax 5
Most versatile granular applicator available

RPD 15
Advanced technology pump on exterior of tank with ergonomic design
## SPREADERS

### DROP

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
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<tbody>
<tr>
<td><strong>Anderson SS–2™</strong></td>
<td>Stainless steel frame, hopper, and fasteners. 36&quot; spread width. 13&quot; turf saver 2 pneumatic wheels. Lift handles in the front and back for easier loading and unloading. Extended durable ergonomic handle.</td>
</tr>
<tr>
<td><strong>Spyker P70–17520</strong></td>
<td>36&quot; spread width, 120 lb. capacity, 13&quot; x 5&quot; pneumatic tires. The Spyker Drop Spreader has two side-by-side hopper sections, allowing the operator to spread 18&quot; or 36&quot; widths for consistent coverage around landscaping or other tight areas. Comes standard with variable rate and ½&quot; fixed rate bottoms. Epoxy powder coated painted welded frame and hopper.</td>
</tr>
<tr>
<td><strong>Prizelawn® CD36C</strong></td>
<td>36&quot; spread width, 100 lb. capacity, 13&quot; pneumatic tires. Ergonomic handle. Spring loaded on/off. Epoxy powder coated painted welded frame and hopper.</td>
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### SPECIALTY

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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<tbody>
<tr>
<td><strong>Birchmeier Granomax 5</strong></td>
<td>Hand granular applicator that allows for precision applications as well as broadcast applications. Has 5 different output settings. Bag will hold approximately 9 to 13 pounds of product.</td>
</tr>
<tr>
<td><strong>Prizelawn® BG 1</strong></td>
<td>Belly grinder style, UV resistant polyethylene hopper, screw on cap, adjustable strap with carry position, heavy duty enclosed gears, side deflector and trim control standard. Up to 14 ft. swath, 20 lb. capacity.</td>
</tr>
<tr>
<td><strong>Earthway® 3100 Chest Mounted Spreaders</strong></td>
<td>40 lb. rust-proof poly hopper. Epoxy powder coated tubular steel chassis with integrated stand, wide comfortable carrying straps; the 3100 is a perfect choice. Deluxe rain cover included. The 3100 Professional Hand Crank spreader is your ideal broadcast spreader when you need to spread granular material in wet areas, over uneven terrain, or in places a push spread could not go. With the EV–N–SPRED® PRO Dual Port Adjustable Shut–Off System, the user can infinitely balance the spread pattern based on material size, weight, and flight characteristics, and the super–duty high–speed gearbox, spread widths of 15 ft / 4.5 m are common.</td>
</tr>
<tr>
<td><strong>Earthway® Bag Seeder</strong></td>
<td>The 2750 is the weapon of choice when your terrain is hilly or wet. The corrosion, tear and weather resistant 20 lb/9 kg nylon bag hopper is equipped with a zippered top for easy filling and closure. This nylon construction allows for the bag to remain upright when filling yet collapse for easy storage. From the contoured base for fitting around your hip, the adjustable shoulder strap and a long crank handle, the 2750 is designed with comfortable operation in mind. The Exclusive Rocking Agitator provides smooth, even material feeding to the distribution plate. High speed direct drive gear box allows the operator to adjust the spread width between 8/215 cm–12/457 cm by simply changing the crank rate. Complete directional control and spring to close shut–off makes the 2750 the ultimate choice in hand operated spreaders.</td>
</tr>
<tr>
<td><strong>Spyker HHS100</strong></td>
<td>Handheld granular spreader. 5 lb. Hopper capacity. Adjustable flow rate. Perfect for year round use.</td>
</tr>
<tr>
<td><strong>Spred–Rite® G</strong></td>
<td>Gravity-Flow Granule Spreader for application of granular herbicides, fungicides, insecticides, or fertilizers in landscape areas. A quicker, easier and more precise way to spread in small landscape areas. The Spred–Rite G can be used anywhere and is especially handy where you have to reach around or under things like trees, shrubs, poles or railings. Swath is adjustable from two inches to three feet. Light weight: 6 oz. empty to 6 lbs. full.</td>
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### ROTARY

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<tr>
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<tr>
<td>Anderson LCO–1000™</td>
<td>Durable stainless steel frame, with a 21” wheel base that is wider than most providing added stability. Four grease zerks for easy lubrication. Unique dual rate mechanism accommodates both the Anderson and JDL wheel settings. Quick open gear housing. Hopper cover included. Optional side deflector kit available. Limited lifetime gear warranty.</td>
</tr>
<tr>
<td>Spyker P20–5010</td>
<td>This versatile lawn spreader is ideal for fertilizer, grass seed, ice melt and more. Made of rugged polypropylene, the 50 lb. capacity hopper won't rust or dent. The Spyker dial's 90 settings allow operators to accurately calibrate for the specific type of material being applied. With its large fully pneumatic 10” x 4” tires the P20–5010 rolls easily and maintains constant ground contact, driving the spinner consistently via the fully enclosed gearbox, which delivers a more uniform spread pattern. The hopper's on-off assembly is connected via a solid steel linkage for improved durability versus cable-based designs.</td>
</tr>
<tr>
<td>Spyker Ergo–Pro Model SPY50–1P</td>
<td>The Spyker 50 lb. Pro Series spreader is the perfect blend of light weight and commercial-grade construction. Our Medium Platform frame provides durability to withstand heavy use, season after season. Incorporating all the professional features that you've come to expect from the Pro Series, comes standard with Accu-Way™, Spyker Dial, lifetime warranted Metal Gear System, and large pneumatic tires. A favorite for lawn maintenance and snow removal professionals who travel from property to property, the 50 lb. Pro Series spreader delivers all of the benefits you want with none of the excess. Spread width: 4’ to 12’. Frame: Powder coated. Transmission: Metal gears with lifetime warranty. Tires - Pneumatic.</td>
</tr>
<tr>
<td>Spyker Ergo–Pro Model SPY80–1P &amp; SPY80–1S</td>
<td>The 80 lb. Pro Series spreader from Spyker provides increased hopper capacity for servicing larger properties, while still retaining its maneuverability when loaded. With its low center of gravity and the capacity hopper makes this spreader ideal for commercial-size lawns. The spreader projects an even spread pattern allowing for better spreading coverage. Accu-way™, a Spyker innovation, supports the proper, consistent distribution of material being applied. Spread width: 4’ to 12’. Frame: Powder coated and stainless steel. Transmission: Metal gears with lifetime warranty. Tires - Pneumatic.</td>
</tr>
<tr>
<td>Spyker P40–5020 &amp; S40–5020</td>
<td>The Spyker 50 lb. Pro Series spreader is the perfect blend of light weight and commercial-grade construction. Our medium platform frame provides durability to withstand heavy use, season after season. A favorite for lawn maintenance and snow removal professionals who travel from property to property, the 50 lb. Pro Series spreader delivers all of the benefits you want with none of the excess. Spread width: 4’ to 12’. Frame: Powder coated and stainless steel. Transmission: Metal gears with lifetime warranty. Tires: 13” x 5” pneumatic.</td>
</tr>
<tr>
<td>Spyker S60–12020</td>
<td>Its large 120 lb. poly hopper lets you cover more ground between fill-ups so you can get more done in less time. Affectionately called the “Mulch-N-More” because of its extra-large single port opening, the S60–12020 will work with larger materials such as pin mulch and rock salt. Spread width: 4’ to 12’. Frame: Stainless steel. Transmission: Metal gears with lifetime warranty. Tires: 13” x 5” pneumatic.</td>
</tr>
<tr>
<td>Spyker P30–17520</td>
<td>The P30 series commercial tow spreader from Spyker combines high capacity 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 or an ATV. Compatible with UTV's and other ride-on equipment with a universal trailer hitch, the P30-17520 is productive, versatile, and easy to use. With all of the features of the Pro-Series, Spyker tow-behind spreaders deliver incredible performance at a very reasonable price. Spread width: 4’ to 12’. Frame: Powder coated steel. Transmission: Metal gears with lifetime warranty. Tires: 13” x 5” pneumatic.</td>
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## Rotary

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<tr>
<th>PRODUCT NAME</th>
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<tr>
<td>Prizelawn® BF1 HVO</td>
<td>Includes all normal BF1 features, but has hinged “trapdoor” plate in hopper bottom. Closed for fertilizer application, open for application of mulch products, topdressing, sand, salt, limestone and other high volume products. Stainless steel frame only. Hopper cover included. Side deflector optional.</td>
</tr>
<tr>
<td>Prizelawn® MPR II</td>
<td>All the important functional features of the CBR IV at a fraction of the price! 70+ lb. capacity, 10” pneumatic tires, spring loaded on/off. Epoxy powder coat welded frame. Gear cover standard. Hopper cover included. Limited life time warranty on gears. Great for ice melt spreading.</td>
</tr>
<tr>
<td>Prizelawn® LF II</td>
<td>50 lb capacity. 10” pneumatic tires. Spring loaded on/off. Welded epoxy powder coat frame. Gear cover.</td>
</tr>
<tr>
<td>Chapin® Model 82108N Professional Salt Spreader</td>
<td>100 lb. capacity. Stainless steel T-handle with comfort grips features gate control at your finger tips. 14” fully pneumatic tires provide stability over uneven terrain. 360° baffle system allows for precise control of the spread pattern. 44% larger gate opening. Heavy duty stainless steel frame directly supports hopper base and hopper. New enclosed metal gears withstands the elements. Unique two-piece hopper design allows for easy replacement of hopper. All season spreader spreads salt / halite / ice melt, fertilizer, seed and more with a simple gate adjustment. Solid gate linkage. 5 year limited warranty.</td>
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## Power

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Spyker S80-12010</td>
<td>This heavy-duty, commercial electric spreader is designed for today's commercial lawn and turf professional. Featuring a powerful 12 volt DC motor protected by and mounted with corrosion-resistant stainless steel, the S80-12010 is equipped to perform and protected from the hazards of the job. The motor is mounted outside of the hopper to allow for more material, and delivering a true 120 lb. capacity, helping you get the job done quicker with less refills. 220 lb. hopper extension. This electric spreader comes standard with a Variable Speed Control—mounted conveniently within arms reach, which controls the spread swath, up to 16 feet. Optional 2” receiver hitch mount bracket available for an additional fee.</td>
</tr>
<tr>
<td>Earthway M80ECM Commercial 12-Volt Broadcast Spreader</td>
<td>The M80ECM is the Ultimate 12-Volt Broadcast Spreader available today. The 250lb/112kg Heavy-Duty rustproof hopper has unsurpassed capacity in the market of utility vehicle spreaders. Built on a sturdy 300lb/134kg load bearing stainless steel chassis, the M80ECM is designed to bolt to any vertical or horizontal surface and is built to last. The M80ECM is equipped with the EarthWay Exclusive Electronic Control Module that allows you to not only remotely turn the motor On/Off, but to also control the Open/Close of the shut-off material flow, thus eliminating the need for cables or ropes. The numbered rotary-dial rate control allows for positive setting control and easy repeatability. The EV-N-SPRED® PRO Dual Port Adjustable Shut-Off technology allows the user to control the balancing of the spread pattern on both the left and right side throwing ports to equal the center. The M80ECM uses a high-torque 12-volt motor, mounted in the hopper and protected from the elements by a thermoplastic case. The capacity and control-ability of the M80ECM make it the choice of the professional that maintains large areas.</td>
</tr>
<tr>
<td>Steel Green Manufacturing</td>
<td>Steel Green Manufacturing is a new equipment manufacturer serving the professional lawn care industry. The Steel Green product line includes stand-on zero-turn sprayer-spreader machines.</td>
</tr>
</tbody>
</table>

NEW
BUILT FOR YOU

You need productive and powerful equipment built to last and easy to maintain with parts that are accessible. We hear you. Steel Green Manufacturing is committed to building equipment that not only meets your needs but exceeds your expectations.

FEATURING

01 Standard Integrated 20/50 Amp Charging System
This powerful charging system gives you the ability to run a high-volume pump, foam markers, and other attachments.

02 Oil Cooler
Reduces oil temperature, improves lubrication and extends oil change intervals.

03 Heavy-Duty Shift Solenoid Starter
Designed for long-lasting commercial use.

04 Dual 15 Gal Spray Tanks
Hold up to 30 gallons of liquid. Plus 75’ hose reel comes standard.

05 High-Density Poly Fertilizer Tray
Two heavy-duty, lightweight trays add 100 lbs of granular product capacity.

06 22” Rear Wheels
22-inch commercial grade turf tires provide additional hillside stability and faster transport speeds.

07 Fertilizer Hopper
225-lb hydraulic-driven Spyker® granular system

08 21 HP Engine
Vanguard® commercial power 21 HP engine featuring V-Twin OHV Technology, Cooler Cleaner Technology (efficient fan and improved debris management), dynamically balanced crankshaft, and electronic ignition.
Honda® GXV660 21 HP engine is available as a custom option.

09 Overfill Protection
Keeps fluid away from expensive electrical and hydraulic components.

10 Easy Access Nozzles
Stainless steel boom with hidden plumbing. Nozzles are easy to reach and change—no special tools required.
## Sprayers

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Backpack</strong></td>
<td></td>
</tr>
<tr>
<td>Birchmeier Model Iris 15K</td>
<td>Backpack Sprayer; 15 liter / 4 gallon tank. The pump is externally mounted, lubricated piston, adjustable rubber piston ring, 6 bar pressure, high flow rate, hollow cone nozzle with stainless-steel insert, trigger with integrated fine filter, complete emptying, stainless steel frame, impact resistant plastic tanks, UV stabilized, comprehensive spare part and accessories program.</td>
</tr>
<tr>
<td>Birchmeier Model RPD 15</td>
<td>New from Birchmeier, 4 gallon backpack sprayer. Real work comfort, re-defined ergonomics, pump can be folded up, hose outlet in working direction, click belt system, recessed grips. Equipped with a technology pump that is all inclusive with the pump handle. Allows for left or right handed pumping and can also be disassembled in a matter of seconds. All in the lever: Non-drip piston pump, integrated air chamber, hose outlet, and holder for spray lance.</td>
</tr>
<tr>
<td>Birchmeier REA 15 AZ1</td>
<td>Backpack Sprayer; consistent spray pattern, drop size adjustable, “look and feel” ergonomics, hose outlet in working direction, click belt system, recessed grips, Li-Ion battery. Pressure range: 15-44 psi. Protective setup for pump and battery. Run time: 10h at 15 psi, 3h at 44 psi.</td>
</tr>
<tr>
<td><strong>Sprayers Plus Model 100</strong></td>
<td>The 201 Agricultural Series sprayer is the large capacity backpack with a 4 gallon (15 liter) high density polyethylene tank with UV protection that guards against harmful ultraviolet rays. It features the all new wide mouth lid for easy pouring and filling. The 201 delivers the highest level of performance, safety, and durability for the price conscious user. It is equipped with a diaphragm pump module capable of pressures up to 70 PSI and Viton® seals. It is designed for homeowners, nurseries, green houses, farming, and animal husbandry to be used with herbicides, insecticides, pesticides, fertilizers, and diesel.</td>
</tr>
<tr>
<td><strong>Sprayers Plus Model 201</strong></td>
<td>The 61900 Tree/Turf Professional Piston Pump Sprayer; 4 gallon true capacity, 4” large diameter opening, strainer / filter basket, removable in-tank filter, stainless steel wand, includes 21 psi CF valve, cushion grip spray handle with pressure gauge, adjustable pressure control, right and left hand use, brass, poly fan and poly cone nozzles included, adjustable padded shoulder straps with lumbar support straps.</td>
</tr>
<tr>
<td>Chapin Model 61900</td>
<td>The world's most advanced battery powered backpack sprayer. No pumping required, 4 gallon capacity, 5 pressure settings, hydraulic venturi agitation, automatic shutoff, constant pressure regardless of the level of the battery, multiple speed walking pace indicator, heavy duty trigger valve, stainless steel wand, 4 nozzles included, exceptional battery life from light weight lithium ion battery for all day operation, typical battery run time per charge average 8 hours and go as high as 12+ hours, lightweight – less than 10 lbs empty, 3 year warranty.</td>
</tr>
<tr>
<td>Jacto PJB–16 Battery Backpack Sprayer</td>
<td>Lightweight 4 gallon ergonomically curved tank, built in agitator, top carrying handle, wide filling opening, 4” 5” high pressure hose, heavy-duty trigger valve, internal piston pump, easy operating pumping lever, handle lock and lance retaining clips, padded shoulder straps, 20” professional brass spray lance, 3 different nozzles included.</td>
</tr>
<tr>
<td>Jacto Model CD400</td>
<td>Lightweight 4 gallon ergonomically curved tank, wide filling opening, built-in agitator, 4” 5” high pressure hose, heavy-duty trigger valve, reinforced nylon spray lance, comes with 3 different nozzles, flat bottom base, easy operating pumping lever, internal, high-efficiency piston pump, padded shoulder straps, carrying handle.</td>
</tr>
<tr>
<td>Jacto Model HD400</td>
<td>The XP312 is a three gallon sprayer with complete interchangeability of parts except for the tank. Poly piston pump has hydraulic agitation and comes with a chemical resistant Santoprene pump seal. Santoprene offers exceptional wear characteristics and reduced pumping effort. Great value for the operator who may need different capacities for different applications but still wants performance, durability.</td>
</tr>
<tr>
<td>Jacto Model SP312</td>
<td>The SP312 is a three gallon sprayer with complete interchangeability of parts except for the tank. Poly piston pump has hydraulic agitation and comes with a chemical resistant Santoprene pump seal. Santoprene offers exceptional wear characteristics and reduced pumping effort. Great value for the operator who may need different capacities for different applications but still wants performance, durability.</td>
</tr>
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</table>
## Sprayers

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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<tbody>
<tr>
<td><strong>SPRAY GUN</strong></td>
<td></td>
</tr>
<tr>
<td>Hudson Green Garde JD-9C Tree &amp; Shrub Gun</td>
<td>Adjusts quickly from mist to pencil–like stream. Trigger locks on for user comfort. Ruggedly built, precision machined. Wide choice of tips, nozzles and root feeders. Ct model is tapped for use with a gauge to calibrate pressure settings, more accurate than pump gauge.</td>
</tr>
<tr>
<td>GNC MAG 1 Gold Tree &amp; Shrub Gun</td>
<td>Many of the same attributes and design features as the Green Garde JD–9C. Volume 1 – 20 gpm. Pressure 0–800 psi. Wide choice of tips and nozzles.</td>
</tr>
<tr>
<td>John Bean™ 705 Tree &amp; Shrub Gun</td>
<td>Same attributes and design as the Green Garde JD-9C and GNC MAG 1 Spray Guns. Volume 1 – 20 gpm. Pressure 0–800 psi. Wide choice of tips.</td>
</tr>
<tr>
<td>John Bean™ 785 Tree Gun</td>
<td>Still the best spray gun to get maximum height from your sprayer. The model 785 from John Bean Sprayer gives you positive on / off control plus twist of the wrist pattern adjustment with capacity up to 48 gpm at up to 800 psi. Includes nozzle disc assortment.</td>
</tr>
<tr>
<td>GNC Mighty MAG Tree Gun</td>
<td>The Mag I Gold grip for positive on / off control plus the twist of the wrist pattern adjustment of the John Bean™ 785 gun. 48 gpm at up to 800 psi.</td>
</tr>
<tr>
<td>Hypro Long Range Turbine Lever Adjust Spray Gun</td>
<td>This long range turbine spray gun offers easy adjustment of the spray pattern by moving the forwarded lever handle back and forward. 17” Barrel. Includes 3 MM nozzle. Inlet is metric thread. Adapter to 1/2” standard NPT thread or 1/2” Barb available.</td>
</tr>
<tr>
<td><strong>WALK BEHIND</strong></td>
<td></td>
</tr>
<tr>
<td>Earthway S25 Spray Pro</td>
<td>Ground driven pump and high-speed gear box – no battery or motor to maintain, epoxy powdered coated or stainless steel chassis with height adjustable handle, includes 3 interchangeable nozzles, two mode spray valve for spray and transport settings. Optional hand operated spray gun for spot treatments is available.</td>
</tr>
<tr>
<td><strong>MOTORIZED</strong></td>
<td></td>
</tr>
<tr>
<td>GNC</td>
<td>GNC manufactures industrial poly tank spray equipment for lawn care, golf, landscape, pest control, tree care, and parks and recreation. Standard stock units utilize by-pass agitation with GNC piston pumps and Honda engines. Customization is available.</td>
</tr>
<tr>
<td>John Bean™</td>
<td>John Bean manufactures fiberglass and stainless steel tank sprayers with mechanical agitation for a variety of markets; golf course, lawn care, landscape, and pest control markets. Considered the premier sprayer utilizing its legendary piston pumps along with Honda engines.</td>
</tr>
<tr>
<td>Spraying Device Inc.</td>
<td>SDI specializes in manufacturing fiberglass tanks with mechanical agitation sprayers and spray accessories for a variety of markets; golf course, lawn care, landscape, and pest control markets. Comet pumps and Kohler engines are standard components, however customization is available.</td>
</tr>
<tr>
<td>Steel Green Manufacturing</td>
<td>Steel Green Manufacturing is a new equipment manufacturer serving the professional lawn care industry. The Steel Green product line includes stand-on zero-turn sprayer-spreader machines.</td>
</tr>
<tr>
<td><strong>HANDPUMP</strong></td>
<td></td>
</tr>
<tr>
<td>Chapin Model Poly Pro</td>
<td>1 and 2 gallon capacity, directional pressure relief system, cushion grip spray handle, poly wand and nozzle, viton seals in key areas.</td>
</tr>
</tbody>
</table>

## New

- Steel Green Manufacturing

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**EQUIPMENT | Spray Equipment & Supplies 102**
100, 200, 300 & 400G Space Saver

**STANDARD FEATURES:**
- P530 Piston Pump
- Manual Start Engine
- Curbside-Ready Mount for 18” Electric or Manual Rewind Hose Reel (Sold Separate)
- Stainless Steel Encased Frame

**OPTIONS:**
- Large Hinged, Locking Lid
- In-Line Suction Filter
- Jet Agitation
- Easy Access Drain Plug
- Hose Reel Package
- P550 15GPM Piston Pump
- Hose Reel Roller Guides
- Fork Lift Ready Frame
- Spray Gun

**DIMENSIONS:**
- **100G:** 60” wide top ~ behind cab, 48” wide footprint ~ behind cab
- **200G:** 60” wide top ~ behind cab, 48” wide footprint ~ behind cab
- **300G:** 70” wide top ~ behind cab, 48” wide footprint ~ behind cab
- **400G:** 70” wide top ~ behind cab, 48” wide footprint ~ behind cab

**NEW “Turn Key” Units with Auxiliary Battery System**
*NO Field Wiring Required*

Split Space Savers:

**STANDARD FEATURES:**
- P530 Piston Pump
- Manual Start Engine
- 3-Way Ball Valve System
- Stainless Steel Encased Frame
- Curbside-Ready Mount for 18” Electric or Manual Rewind Hose Reel Package (Sold Separate)
- Jet Agitation

**DIMENSIONS:**
- **60-1/4” wide top, behind cab**
- **48” wide footprint behind cab**
- **30-1/2” center high at cab**
- **43.5” deep/long**
- **Minimum 1/2 Ton Truck**
- **61.5” deep/long**
- **Minimum 3/4 Ton Truck**

**200 GAL 325 & 500 GAL**

**Part No.** | **Description**
---|---
21-8ASSXX-P530 | 100/100G Split Space Saver—Select Hose Reel Pkg
21-8BSSXX-P530 | 200/100G Split Space Saver—Select Hose Reel Pkg
21-8CSSXX-P530 | 200/200G Split Space Saver—Select Hose Reel Pkg

Skid Mounted Units

**STANDARD FEATURES:**
- P530 Piston Pump
- Manual Start Engine
- Electric or Manual Rewind Hose Reel Packages (Sold Separate)
- Large Hinged, Locking Lid
- In-Line Suction Filter
- Jet Agitation
- Stainless Steel Frame

**DIMENSIONS:**
- **200G:** 40.5” wide x 71” deep/long
- **46” top of Reel**
- **Minimum 1/2 Ton Truck**
- **300G:** 40.5” wide x 88” deep/long
- **48” top of Tank**
- **Minimum 3/4 Ton Truck**
- **500G:** 49.5” wide x 96” deep/long
- **55” top of Tank**
- **Minimum 1 Ton Truck**

**Part No.** | **Description**
---|---
21-82PCXX-P530 | 200 Gallon Skid Sprayer—Select Hose Reel Pkg
21-83LGXX-P530 | 325 Gallon Leg Sprayer—Select Hose Reel Pkg
21-85LGXX-P530 | 500 Gallon Leg Sprayer—Select Hose Reel Pkg

075/100 Gallon UTV

**Part No.** | **Description**
---|---
21-87UTXX-P530 | 075 Gal Space Saver—Select Hose Reel Pkg
21-81UTXX-P530 | 100 Gal Space Saver—Select Hose Reel Pkg
050 Gallon Compact Sprayer

**STANDARD FEATURES:**
- PS30 Piston Pump
- Manual Start Engine
- Curbside-Mounted 12” Electric or Manual Hose Reel
- 3/8” x 200 ft. 600 PSI Hose
- 8” Lockable Lid, Lock Included
- Clear Bowl In-Line Suction Filter
- Jet Agitation
- Easy Access Drain Plug
- Stainless Steel Encased Frame

**DIMENSIONS:**
45”L x 24.5” W x 43” H
(Footprint: 40.5” L X 21.5” W)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-85CP82-P530</td>
<td>050 Gal Compact Elec Reel 3/8” x 200ft Hose</td>
</tr>
<tr>
<td>21-85CP92-P530</td>
<td>050 Gal Compact Man Reel 3/8” x 200ft Hose</td>
</tr>
</tbody>
</table>

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**18” Hose Reel Package— Standard**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-HAE1526-0</td>
<td>Hannay 18” Electric Reel, 300ft of 1/2” Hose, with Button, Solenoid, Circuit Breaker &amp; Wire Harness</td>
</tr>
<tr>
<td>53-HAE1526-1</td>
<td>Hannay 18” Electric Reel, 400ft of 3/8” Hose, with Button Solenoid, Circuit Breaker &amp; Wire Harness</td>
</tr>
<tr>
<td>53-HA1526-0</td>
<td>Hannay 18” Manual Reel, 300ft of 1/2” Hose</td>
</tr>
<tr>
<td>53-HA1526-1</td>
<td>Hannay 18” Manual Reel, 400ft of 3/8” Hose</td>
</tr>
</tbody>
</table>

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**12” Hose Reel Package— Compact/LP Mount**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-HAE1520-2</td>
<td>Hannay 12” Electric Reel, 200ft of 3/8” Hose, with Button, Solenoid, Circuit Breaker &amp; Wire Harness</td>
</tr>
<tr>
<td>53-HAE1520-6</td>
<td>Hannay 12” Electric Reel, 300ft of 3/8” Hose, with Button Solenoid, Circuit Breaker &amp; Wire Harness</td>
</tr>
<tr>
<td>53-HA1520-2</td>
<td>Hannay 12” Manual Reel, 200ft of 3/8” Hose</td>
</tr>
<tr>
<td>53-HA1520-6</td>
<td>Hannay 12” Manual Reel, 300ft of 3/8” Hose</td>
</tr>
</tbody>
</table>

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**MAG-1**

Very durable spray gun. Great for tree and shrub spraying under 40 feet, depending on your pump.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-852-00</td>
<td>MAG-1 Spray Gun</td>
</tr>
</tbody>
</table>

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**MAG-1 Do-All Kit— Top Seller!**

Light weight industrial spray gun. Able to switch from spraying trees & shrubs to lawn with the switch of a nozzle.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-855-00</td>
<td>MAG-1 Do-All Kit</td>
</tr>
</tbody>
</table>

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**G.I. Kit**

Green Industry (G.I.) Kit comes complete with:
- (1) MAG-1 Do-All,
- (1) MAG-2000 Lawn Gun, complete with an assortment of nozzles

**MAG-1 Do-ALL—** Able to switch from spraying trees to lawn with the switch of a nozzle

**MAG-2000—** Light weight lawn gun available with shower head nozzles with Stainless Steel Inserts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-850-00</td>
<td>G.I. Kit</td>
</tr>
</tbody>
</table>

---

**Mag-2000 Kit**

Mag-2000 Kit Includes:
- (1) Mag-2000 Lawn Gun
- (3) Shower Head Nozzles W/Stainless Steel Inserts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-857-01</td>
<td>Mag-2000 Lawn Gun Kit W/ Nozzles</td>
</tr>
<tr>
<td>12-857-15</td>
<td>Small—Blue Nozzle— Individual</td>
</tr>
<tr>
<td>12-857-16</td>
<td>Medium—Yellow Nozzle—Individual</td>
</tr>
<tr>
<td>12-857-17</td>
<td>Large—Green Nozzle—Individual</td>
</tr>
</tbody>
</table>

---

**MAG-1 Mighty Lite**

Very light weight and durable tree application spray gun. Great for tree and shrub spraying up to 65 ft, depending on your pump. Comes with 3 nozzle options.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-854-01</td>
<td>MAG-1 Mighty Lite</td>
</tr>
</tbody>
</table>

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**Hose Reel Roller Guides**


<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA-9939-1012</td>
<td>12” 4 Way Roller Guides</td>
</tr>
<tr>
<td>HA-9939-1018</td>
<td>18” 4 Way Roller Guides</td>
</tr>
</tbody>
</table>
## Spray Hose

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose, PVC, Braided High Pressure</td>
<td>Yellow 3/8&quot; &amp; 1/2&quot; hose. Sold in 300 and 400 ft. rolls. 600 psi. 3 year warranty. (Hose fittings and clamps not included)</td>
</tr>
<tr>
<td>Hose, PVC, Braided High Pressure</td>
<td>Neon 1/2&quot;, 5/8&quot;, &amp; 3/4&quot; hose. Sold in 300 and 400 ft. rolls. 800 psi working pressure. 3,000 PSI burst. 3 year warranty. (Hose fittings and clamps not included)</td>
</tr>
</tbody>
</table>

## Watering Hose

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Gilmour 1” Flexogen® Golf Course Watering Hose</td>
<td>500 PSI, 6 ply double tire cord reinforced for strength. Lightweight, all weather hose coils and handles easily in all weather. Heavy-duty, crush resistant, 1” Full-Flo® brass couplings with built-in washer for tight sealing. Maximum kink resistance. Polished surface resists abrasions stains and mildew. Available in 50’ and 100’ lengths.</td>
</tr>
<tr>
<td>Gilmour 28 Series Golf Course Hose</td>
<td>Heavy-duty 3/4” ID hose designed to withstand the high pressure surges that occur during golf course use. Great for everyday uses such as syringing greens and equipment cleaning. 3/4” Heavy-duty brass couplings, constructed to prevent coupling separation. Available in 75’ and 100’ lengths.</td>
</tr>
<tr>
<td>Gilmour 15 Series Reinforced Vinyl Hose</td>
<td>1/2” x 75’ four ply kink resistant construction. Good burst strength; withstands nozzle shut-off. Lightweight and flexible for easy handling. Full-Flo brass couplings for unrestricted water flow. Weather and abrasion resistant.</td>
</tr>
</tbody>
</table>

## Spray Equipment & Supplies

## Sprayers

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<th>PRODUCT NAME</th>
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<tr>
<td>ChemLawn Gun</td>
<td>The spray gun for professional lawn care operators. Tough nylon construction, resists corrosion, locking handle, self lubricating internal assembly. Gun sold without nozzles.</td>
</tr>
<tr>
<td>GNC Root Feeder</td>
<td>MAG-1 root feeder spray gun, 0–15 GPM, 0–300 PSI, stainless steel trigger.</td>
</tr>
<tr>
<td>GreenGarde 201–RF Root Feeder</td>
<td>Pressure root-feed from 2” to 10” deep. Attaches to JD9–C spray gun. Rugged long lasting design.</td>
</tr>
</tbody>
</table>
## Watering Nozzles

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Kochek Nozzles</td>
<td>Super heavy-duty construction features aircraft aluminum with high composite components with bumper. Fully adjustable flow control from a strong jet stream to a mist. Quick on / off setting. For use on 1&quot; &amp; 3/4&quot; hoses. Several models available with 10 to 100 GPM ranges.</td>
</tr>
<tr>
<td>Banjo Garden Hose Spray Nozzle</td>
<td>Heavy-duty machined aluminum construction stands up to hard use. Comfort-grip soft rubber provides a comfortable gripping texture. Resists dents, mars and scratches and also protects any surface that comes in contact with nozzle. Aluminum hose connection provides a tight fit, will not rust. Multiple spray pattern adjusts from a powerful jet stream to a gentle fan spray. Ideal for all your spraying needs. Stainless steel spray cap for precise spray patterns. Connects to 3/4&quot; male garden hose threads.</td>
</tr>
</tbody>
</table>

## Hose Reels

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Hannay 1500 Series Manual &amp; Power Rewind Reels</td>
<td>To handle single 1/4&quot; through 5/8&quot; I.D. hose. Lightweight compact reels designed for long lengths of hose in manual and power rewind. Direct crank rewind is permanently attached. Chain and sprocket drive powered by electric, hydraulic, or compressed air motor. Direct crank rewind, cam–lock drag brake, spring actuated pin lock. Standard inlet 90° ball bearing swivel joint 1/2&quot; female NPT threads. Standard outlet 1/2&quot; female NPT threads. Optional rollers: Specify roller position when ordering. Pressures to 3,000 psi. Temperature from +20º F to +400º F.</td>
</tr>
</tbody>
</table>

## Dura Products

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dura-ABS™</td>
<td>The Dura-ABS Auto-Batch System is an automated dispensing system perfect for concentrated fertilizers and chemicals in 30 and 55-gallon drums and 250-gallon cage totes. The system is easy to calibrate and prevents dispensing too much or too little product. Simply select the volume desired and press START. The pump will begin to dispense fluid and will automatically shut off when complete.</td>
</tr>
<tr>
<td>Dura-Pump™ Easy Caddy</td>
<td>The Dura-Pump Easy Caddy can be mounted in different configurations on a variety of tank/tote and drum types. The system is manually controlled with a ball valve nozzle and can also be used for dispensing concentrated fertilizers and chemicals. Available with a Dura-Meter to keep track of the volume dispensed. Use without the meter to easily fill a stand-on sprayer. Just pre-mix the spray batch on a truck, pull up the sprayer, open the lid, fill the tank, and manually turn off.</td>
</tr>
<tr>
<td>Dura-PROfill™</td>
<td>The Dura-PROfill gives stand-on sprayers a drip-free filling system. The pumping kit bolts onto the machine to allow the sprayer to have a singular fill point with closed connections. New from Dura Products, the Bolt on Dura-PROfill aftermarket accessory kit designed for the professional. Finally, there is a way to safely and efficiently fill your sprayer in the field without spilling product in front of their clients' homes or businesses.</td>
</tr>
<tr>
<td>Model</td>
<td>Price</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
</tr>
</tbody>
</table>
| SG36  | $11,395 | **NEW**
| **PRODUCT DESCRIPTION:** Experience the versatility of the SG36 zero-turn sprayer-spreader machine. It has all the power of our larger models but is compact enough to fit through a 36-inch gate. With its dual 15-gallon spray tanks, Spyker 125-pound hydraulic-driven granular system, and high-density poly fertilizer trays, the SG36 holds up to 30 gallons of liquid and 225 pounds of granular product. Steel Green machines feature a 21-hp engine, Donaldson air cleaner and a standard integrated 20/50 amp charging system. |
| **SPRAY CAPACITY:** 30 gal | **WIDTH:** 35.5” |
| **SPRAY WIDTH:** 2’ or 4’ or 6’ or 8’ | **LENGTH:** 80” |
| **HOPPER CAPACITY:** 125 lbs | **HEIGHT:** 54” |
| **VARIABLE SPRAY WIDTH:** up to 25’ | **FRONT TIRE:** 16” |
| **FUEL CAPACITY:** 5 gal | **REAR TIRE:** 21x7.00-10 |
| **TRANSPORT SPEED:** 10 MPH | |
| **RATE PRODUCTION:** 120,000 sq ft per fill based on ¼ gal spray nozzles | |

| SG46  | $11,795 | **NEW**
| **PRODUCT DESCRIPTION:** Offering versatility without compromising capacity, the SG46 zero-turn sprayer-spreader machine has all the power and spreading capacity of our larger model in a more compact size. With its dual 15-gallon spray tanks, Spyker 225-pound hydraulic-driven granular system, and high-density poly fertilizer trays, the SG46 holds up to 30 gallons of liquid and 325 pounds of granular product. Steel Green machines feature a 21-hp engine, Donaldson air cleaner and a standard integrated 20/50 amp charging system. |
| **SPRAY CAPACITY:** 30 gal | **WIDTH:** 46” |
| **SPRAY WIDTH:** 2’ or 4’ or 6’ or 8’ | **LENGTH:** 80” |
| **HOPPER CAPACITY:** 225 lbs | **HEIGHT:** 54” |
| **VARIABLE SPRAY WIDTH:** up to 25’ | **FRONT TIRE:** 16” |
| **FUEL CAPACITY:** 5 gal | **REAR TIRE:** 22x11.00-10 |
| **TRANSPORT SPEED:** 12 MPH | |
| **RATE PRODUCTION:** 120,000 sq ft per fill based on ¼ gal spray nozzles | |

| SG52  | $12,195 | **NEW**
| **PRODUCT DESCRIPTION:** Feel the power and productivity of the SG52 zero-turn sprayer-spreader machine. Dual 30-gallon spray tanks hold up to 60 gallons of liquid, and the Spyker 225-pound hydraulic-driven granular system with high-density poly fertilizer trays can carry up to 325 pounds of granular product. Steel Green machines feature a 21-hp engine, Donaldson air cleaner and a standard integrated 20/50 amp charging system. |
| **SPRAY CAPACITY:** 60 gal | **WIDTH:** 52” |
| **SPRAY WIDTH:** 2’ or 6’ or 8’ or 10’ | **LENGTH:** 74” |
| **HOPPER CAPACITY:** 225 lbs | **HEIGHT:** 54” |
| **VARIABLE SPRAY WIDTH:** up to 25’ | **FRONT TIRE:** 16” |
| **FUEL CAPACITY:** 5 gal | **REAR TIRE:** 22x11.00-10 |
| **TRANSPORT SPEED:** 12 MPH | |
| **RATE PRODUCTION:** 240,000 sq ft per fill based on ¼ gal spray nozzles | |
## Custom Options and Attachments

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honda® GXV660</td>
<td>21 HP engine; not compatible with high-volume roller pump.</td>
</tr>
<tr>
<td>High–Volume Roller Pump</td>
<td>Hypro Ni-Resist 4-roller 12-Volt DC.</td>
</tr>
<tr>
<td>7-Gallon Independent Chemical Tank</td>
<td>Separate chemicals for spot treatment with this 7-gallon independent tank.</td>
</tr>
<tr>
<td>35-Gallon Complete Drain Rectangle Tank</td>
<td>Replaces hopper on SGS2 and SG46 to create an all liquid unit. 35-gallon tank is 28&quot; L x 19&quot; W x 20&quot; H.</td>
</tr>
<tr>
<td>1- and 2-Gallon Foam Markers</td>
<td>Maximize efficiency and spray visibility with foam markers available in 1- or 2-gallon kits.</td>
</tr>
</tbody>
</table>

## Parts

### ELECTRICAL
- Key Switches
- Fuses
- Foot Switches
- Rocker Switches
- Tachometers
- Speedometers

### GRANULAR/SPYKER®
- Hoppers
- Hopper Covers
- Hopper Components
- Hydraulic Spinner Motors
- Impellers
- Hopper Open/Close Cables
- Diffuser Cables

### SPRAY SYSTEM
- Fittings & Adapters
- Clamps
- Valves
- Hose
- Nozzle Bodies
- High-Volume Spray Tips
- Spray Tips
- Strainers
- Gauges
- Directo Valves
- Liquid Pumps
  - (Roller & Diaphram)
- Coxeels® Hose Reels and Parts
- Spray Guns, Tips and Extensions
- Tank Lids
- Boom Springs

### WHEELS
- Wheel and Tires
- Caster Bearings
- Seals
- Wheel Bearings
- Dust Caps

### DRIVETRAIN
- Engines
- Pulleys
- Hydraulic Filters
- Drive Belts
- Briggs & Stratton® Parts
- Honda® Parts
- Parker® Wheel Motors
- Hydro Gear® Pumps
- Choke Cables
- Throttle Cables
- Linkage Rods
Preserve the beauty. The accessories you need to keep your course looking its best, paraide.com. Because Golfers Notice.
Preserve the beauty. The accessories you need to keep your course looking its best, paraide.com.

INFORMATION
Job Number 254-14530
Trim 8.25 x 10.675 in
Modification Date January 12, 2017 4:03 PM
Client Par Aide
Bleed 8.5 x 11.225 in
Output Date January 12, 2017 4:01 PM
Description PA 2017 Jar [8-25x10-675]
Live 7.75 x 10.175 in
Page # 1
File Path Production:Clients:Par Aide:254-14530 PA 2017 Ads:

SIGN-OFF
Notes [ ]
CD Chris Preston Golf Course Management
AD Anne Taylor
CW Terry Thomas
AS Mark Jenson
AM Christa Kramer
PM Krista Kraabel
PA Mike Fritz

ACCESSORIES
SAFETY SUPPLIES

Boots

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
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</thead>
</table>

Protective Clothing

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyvek™ Coveralls</td>
<td>Dupont Tyvek coveralls with or without elastic wrists and ankles provides you with enhanced protection against dusts, powders, grease and splash protection from Class III and class IV pesticides. Collar and full zipper front. Sewn seams. Compliance: EPA 40 CFR 170. Available with and without hood. Sizes S, M, L, XL, 2XL, 3XL, and 4XL.</td>
</tr>
<tr>
<td>Tyvek™ Disposable Sleeve Covers</td>
<td>Single-use Tyvek sleeve covers for outstanding dry particulate protection. Sleeves have elastic tops and wrists to keep out hazardous dry and light mist liquid chemicals. Length is 18”. Puncture and tear resistant. One size fits all. Economically bulk packed 25 sleeve pair in a poly bag.</td>
</tr>
<tr>
<td>PVC Bib Chemical Apron</td>
<td>Apron is chemical resistant with excellent resistance to Class 1 through Class 4 pesticides. Durable 20 mil construction features, sturdy grommets and extended length string ties for versatility in sizing. Compliance: EPA 40 CFR 170. One size fits all.</td>
</tr>
</tbody>
</table>

Ear Protection

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyramex Earmuffs</td>
<td>Low profile design, soft foam ear cups, fold-away, padded headband. Noise reduction rating 25 dB. Available in 3 colors: Gray, Hi-Vis Lime, and Hi Vis Orange. Made in USA</td>
</tr>
<tr>
<td>Pyramex Disposable Uncorded Earplugs</td>
<td>Contoured fit disposable polyurethane ear plugs. Plug gently expands and self adjusts to all size ear canals. Packaged in convenient dispenser box. 200 per box. Noise reduction rating 32 dB.</td>
</tr>
<tr>
<td>Pyramex Disposable Corded Earplugs</td>
<td>Contoured fit disposable polyurethane ear plugs. Plug gently expands and self adjusts to all size ear canals. Packaged in convenient dispenser box. 100 per box. Noise reduction rating 32 dB.</td>
</tr>
</tbody>
</table>
## Eye Protection

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Face Shield – Positive Lock Headgear</td>
<td>This lightweight face shield features an 8” x 12” x 0.04” PETG plastic window. Positive lock headgear has two snap-in straps that adjust independently to ensure a tight fit. High-impact plastic single crown. Compliance: EPA 40 CFR 170 for chemical splash eye protection. Meets ANSI Z87.1-1989 and CAN / CSA-Z94.3-92.</td>
</tr>
<tr>
<td>Safety Goggles – Direct Vent</td>
<td>Use this great quality goggle for protection against dust and flying debris in landscaping, agricultural, harvest and general maintenance applications. Made of soft, PVC with a clear polycarbonate lens and elastic headband. Fits conveniently over most prescription eyewear. Meets ANSI Z87.1 specifications.</td>
</tr>
<tr>
<td>Safety Goggles – Indirect Vent</td>
<td>Use this goggle for applications involving chemical and liquid splash. Made of soft, PVC with a clear anti-fog polycarbonate lens and elastic headband. Four cap vents provide sufficient airflow to keep the goggles ventilated. Fits conveniently over most prescription eyewear and meets ANSI Z87.1 specifications.</td>
</tr>
<tr>
<td>Pyrmex® Carhartt Spokane &amp; Carbondale Safety Eyewear</td>
<td>Fashionable stream line designs incorporates the elements of safety in trend setting eyewear with the Carhartt name. Spokane features unique half-frame design for active life style. Dual-injected straight-back temples. Black frame with gray lens. Carbondale features dual-injected temples. Black and tan frame with sandstone bronze lens. Both models have flexible rubber nose pieces, scratch resistant polycarbonate lens that provide 99% UVA/B/C protection and meet ANSI Z87.1 high impact requirements.</td>
</tr>
<tr>
<td>Pyrmex® Goliath Safety Eyewear</td>
<td>Sporty dual lens style with wide temples provide full eye and is suitable for both working environments and sports activities. Comfort-fit, rubber temples prevent eyewear from slipping to provide maximum performance. Polycarbonate lens provides unrestricted vision, provides protection against 99.9% of harmful UV rays and exceeds ANSI Z87.1 specifications. Available in gray lens with black frame and sky red mirror lens with white frame.</td>
</tr>
<tr>
<td>Pyrmex® Venture II Safety Eye Wear</td>
<td>These state-of-the-art safety glasses feature sleek wrap around styling and wide vision. A 9.75 base curved lens provides full side protection without seams or side shields and the templates are fully adjustable with four settings. Super-soft nose buds keep glasses from slipping, and the lens are coated for superior scratch resistance. Lenses filter out 99% of harmful UV light and come in clear and gray. Meets ANSI Z87.1 specs. Available in silver mirror lens with black frames and indoor/outdoor mirror lens with black frames.</td>
</tr>
<tr>
<td>Pyrmex® Ztek Safety Eye Wear</td>
<td>Ztek eye wear features single-lens construction providing durability and a panoramic view – and these glasses are super-tough. Soft, non-slip rubber temple grips give you a solid fit, even when working hard. Lenses are coated for superior scratch-resistance and provide 99% protection against harmful UV rays. Lens options include clear, grey, indoor / outdoor mirror. Meets ANSI Z87.1 requirements.</td>
</tr>
</tbody>
</table>

## First Aid

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td>10 Person First Aid Kit</td>
<td>65 piece first aid kit is packed in a weatherproof plastic case with an inner gasket that seals out moisture. Kit fits in a vehicle glove box or can be mounted on a wall with screws.</td>
</tr>
<tr>
<td>25 Person First Aid Kit</td>
<td>This 153 piece first aid kit is packed in a weatherproof plastic case with an inner gasket that seals out moisture. Kit can be mounted on a wall with screws.</td>
</tr>
<tr>
<td>50 Person First Aid Kit</td>
<td>200 piece first aid kit is packed in a weatherproof plastic case with an inner gasket that seals out moisture. Kit can be mounted on wall with screws.</td>
</tr>
<tr>
<td>100 Person First Aid Kit</td>
<td>This 3-shelf station is designed for larger facilities and contains supplies for up to 100 employees. 20-gauge steel case with interior door pouches and shelves. Kit contains a full line of adhesive strips, antiseptic packets, burn dressings, antiseptic wipes and sprays, unit dose medicinals for pain, upset stomachs and cold symptoms. Supply re-order form included.</td>
</tr>
</tbody>
</table>
# SAFETY SUPPLIES

## Gloves

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td><strong>Best Nitri-Solve® Nitrile Gloves</strong></td>
<td>Style HW2400. 100% Nitrile, 15 mil thickness and a 13” cuff for protection against most pesticides, acids, solvents and caustic chemicals. Unlined for easy cleaning. Resistant to abrasion, puncture, cuts, and snags. Non-slip grip finish. Sizes: S, M, L, XL, and 2XL.</td>
</tr>
<tr>
<td><strong>Best Nitri-Solve® Heavy Duty Nitrile Gloves</strong></td>
<td>Style HW2300. These 100% Nitrile gloves feature 19” elbow length cuffs and 22 ml thickness for great protection during chemical and pesticide mixing, equipment loading, application and cleaning. Non-slip grip, even in wet conditions. Sizes: L, XL, 2XL.</td>
</tr>
<tr>
<td><strong>Best Nitrile Economy Grade Gloves</strong></td>
<td>Style HW1450BX: Powder free, lightly pebbled grip finish. Ideal for sprayer maintenance, equipment cleaning and applications where a waterproof glove is required. These 4 mil 100% Nitrile gloves provide good chemical and tear resistance. Rolled cuff, 9.5” length. 100 gloves per dispenser box. Sizes L and XL.</td>
</tr>
</tbody>
</table>

## Respirator

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td><strong>Survivair Premier® Half Mask Respirator</strong></td>
<td>High-quality, durable, lightweight silicone rubber facepiece features a soft sealing flange with rolled edges for increased comfort. Improved yoke and head harness design reduces facepiece slippage. Sliding adjustment system on head harness keeps loose straps secure. Pre-assembled in OV/R95 configuration. Available in medium.</td>
</tr>
<tr>
<td><strong>U.S. Safety Utility Dusk Mask</strong></td>
<td>Offers relief from non-toxic dusts, pollen, animal dander and other nuisance level dusts at exposures below the OSHA Permissible Exposure Limit (PEL). Lightweight, economical, easy to breath through, fits easily and comfortably. Weighs less than 1/3 ounce and doesn't collapse when it becomes wet. Not NIOSH approved.</td>
</tr>
</tbody>
</table>

## Spill Kit

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Commando™ Universal Spill Response Kit</strong></td>
<td>Slim, mobile spill response kit fits easily in your vehicle and maybe hung on the warehouse or shop wall to give you immediate response to chemical spills. Ideal for vehicles transporting liquid chemicals, chemical handlers and haulers, around mixing and storage areas. The kit is packed in a highly visible yellow, chemical resistant carry bag. Pickup rating is 5 gallons of liquid per kit.</td>
</tr>
<tr>
<td><strong>Minuteman™ Universal Spill Response Duffel</strong></td>
<td>Fits easily in any vehicle sprayer, nurse tank or chemical transport truck, and can be wall hung around your plant and warehouse for visibility and easy access. The Minuteman kit comes in a portable, highly visible orange duffel pack. This kit is packed with the key products you need to clean up a hazardous spill. Pickup rating is 5 – 6 gallons of liquid per kit.</td>
</tr>
</tbody>
</table>

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**Don’t see what you need?**

Ask your rep about additional products!

Visit [www.advancedturf.com](http://www.advancedturf.com) for our most up to date offerings.
<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fairway Bedknives</td>
<td>JRM, Inc. offers an extensive selection of fairway DURANIUM–801® bedknives for Toro®, John Deere®, and Jacobsen®.</td>
</tr>
<tr>
<td>Greensmower Bedknives</td>
<td>JRM, Inc. offers an extensive line of DURANIUM–801® Greensmower bedknives for John Deere®, Jacobsen®, and Toro®. JRM also offers a High-cut DURAMANIUM–801® bedknife for use on Tee Boxes, Fringes, and Aprons.</td>
</tr>
<tr>
<td>Vulcan Bedknife Grinding Wheels</td>
<td>JRM, Inc. now offers a full line of Vulcan Bedknife Grinding Wheels that fit Foley, Peerless, Neary, and Bernhard Anglemaster bedknife grinding machines. JRM Wheelz are made of Cubic Boron Nitride, which is coveted for its use on harder steels, and its cool grinding characteristics, consistent grinding, and versatility. CBN is the second hardest abrasive in the world next to diamond.</td>
</tr>
<tr>
<td>Quad Tines</td>
<td>JRM, Inc. offers a variety of Quad side-eject coring tines that fit all conventional machines. Common mount sizes for Quad blocks are 3/8” and ½”. The ¼” standard Quad offers the smallest core available in the industry, and the 1Q625103 pulls one of the biggest cores available on the market. JRM offers a nice variety to meet any course’s needs.</td>
</tr>
<tr>
<td>Conventional Coring Tines – Top Eject</td>
<td>JRM, Inc. offers a full line of conventional coring tines for John Deere®, Toro®, Coremaster®, and Jacobsen® machines. Top–eject tines offer a cleaner and more consistent core.</td>
</tr>
<tr>
<td>Deep Tines</td>
<td>JRM, Inc. offers a wide variety of lengths and outside diameters of Deep Coring tines for VERTI–DRAIN®, Soil Reliever®, and Wiedenmann® machines.</td>
</tr>
<tr>
<td>Greenbay Tines</td>
<td>JRM, Inc’s Greenbay line of tines features a sturdy wall that can pull a consistent core and last in a variety of conditions, including greens, tee boxes, roughs, and fairways. Mount sizes include ¾” and 7/8”.</td>
</tr>
<tr>
<td>Vortex Verti-cut Blades</td>
<td>JRM, Inc. features a full line of DILLENNIUM® tipped Vortex Verti-cut blades for John Deere®, Jacobsen®, and Toro®.</td>
</tr>
<tr>
<td>Graden® Blade</td>
<td>JRM, Inc. now has Graden® blades in diameters of 7 ¼” and 8 ½”, which allows JRM to have a replacement blade for each of Graden’s machines.</td>
</tr>
<tr>
<td>Conventional Solid Tines</td>
<td>JRM, Inc’s conventional solid tines come in a variety of lengths and diameters and feature a bullet-tip, which provide a cleaner hole and consistent core depth.</td>
</tr>
<tr>
<td>Bayonet™ Tines</td>
<td>JRM, Inc’s Bayonet™ tine is a slicing solid tine that comes in lengths of 4 ¾” and 7” and a variety of mount sizes. We also feature longer lengths for deep tines machines. The Bayonets are particularly useful in the summer and in periods of stress when aerification would be problematic. It also allows for quick playability on your greens.</td>
</tr>
<tr>
<td>Crosstines</td>
<td>JRM, Inc’s CROSSSTONE line is a venting tine in times of stress that severs the roots with its unique design and allows for a stronger root mass with little playability concerns when aerating.</td>
</tr>
<tr>
<td>Ultra and Extended-Cut Bedknives</td>
<td>JRM, Inc. features a selection of extended-cut bedknives designed to sit more dead-center on the reel for a less aggressive cut and ultra-cut bedknives with an extended grind angle on the bottom face. These bedknives are designed for maximum drag clearance and reduced dragging, streaking, etc.</td>
</tr>
<tr>
<td>JRM INFINITY Tines</td>
<td>INFINITY tines are designed to last 2-3 times longer than a premium equivalent while providing a more consistent hole depth.</td>
</tr>
<tr>
<td>JRM INFINITY Reels</td>
<td>INFINITY reel blades feature similar steel used for bedtines, allowing for an extended lifespan.</td>
</tr>
<tr>
<td>GOLFCO Competition Rollers</td>
<td>GOLFCO offers a polyurethane-coated roller for virtually every machine on market, from grooved to smooth.</td>
</tr>
<tr>
<td>Aerivator Tines</td>
<td>Solid tines for the Aerivator plugger with threaded mount. 4.625” long and 0.586” O.D.</td>
</tr>
<tr>
<td>Solid Hook Tines</td>
<td>JRM, Inc. offers 5MM and 8MM hook tines specifically for Toro® aerifiers.</td>
</tr>
<tr>
<td>Solid Deep Tines</td>
<td>JRM, Inc. offers a variety of solid deep tines in several outside diameters ranging from 6” to 16” in length.</td>
</tr>
</tbody>
</table>

**Don’t see what you need?**

Ask your rep about the full JRM lineup!
Now That’s Sharp

JRM, Inc. DURANIUM-801® Fairway, Greensmower and High-cut Bedknives

Already known for making the finest aerification tines on the market, JRM, Inc. is now forging its reputation as a superior manufacturer of quality DURANIUM-801® Greensmower, Fairway and High-cut bedknives. Through thorough testing, JRM developed a new, patented technology to make the finest bedknife available. If you have never tried a JRM bedknife, call us today for a sample.

NEW Bedknives

What our customers are saying...
“They’re fantastic”  “much better, no comparison”
“I’ll never use any other”  “lasts twice as long!”

• JRM offers a wide selection of DURANIUM-801® greensmower, fairway and high-cut bedknives
• JRM bedknives have the tightest tolerances in the industry
• New, patented manufacturing process delivers a far more durable product
• Holds an edge longer, requires less sharpening and is less likely to split or crack

JRM now has a selection of DURANIUM-801 bedknives for the Toro® 1600/2600, Toro® Reelmaster 3550D, Toro® Reelmaster 3100D Sidewinder/7000 and John Deere® 260 mowers.

To complement our quality line of DURANIUM-801® Bedknives, JRM, Inc. offers a screw tool to fit our replacement screws for Toro®, Jacobsen® & John Deere®. The JRM Socket Driver Tools feature a superior design and stronger steel and the tight tolerances and superior design also eliminate the need for hammering and punching the screw to ensure tightness.

JRM Inc.
Innovative Turf Technology

888-576-7007 or 336-354-1243 www.jrmonline.com

Tests show that JRM bedknives require less sharpening and less backlapping so they last longer and reduce reel wear.

JRM Inc. • P.O. Box 1689 • Welcome, NC 27374
Now That's Sharp
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Wheelbarrows

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Brentwood Wheel Barrows</td>
<td>Brentwood manufactures the highest quality professional-grade wheelbarrow on the market, durably constructed to make any job successful. With high-density polyethylene pans, varnished North-American hardwood handles, sealed precision bearings, and a frame made of structural steel. Wheelbarrows that are built to last. Available in 6, 8, and 10 cubic foot.</td>
</tr>
</tbody>
</table>

Drag Mats

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Keystone Heavy-Duty Metal Drag Mats</td>
<td>Over three times the strength of Standard drag mats. 1” x 1” mesh size, ½” x .062” galvanized steel crimp, 6 gauge galvanized steel rods, 3.5 lbs. per ft². Six standard sizes ranging from 16 ft² to 64 ft². Special order sizes can be purchased.</td>
</tr>
<tr>
<td>Keystone Flexible Steel Drag Mats</td>
<td>1” x 1” mesh size, 3/8” x .046” galvanized steel crimp, 13 gauge galvanized steel rods, 1.6 lbs. per ft². Ten standard sizes ranging from 3.75 ft² to 50 ft². Special order sizes can be purchased.</td>
</tr>
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</table>

Turf and Soil Meters

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>POGO Advanced Moisture, Temperature, and Salt Meter</td>
<td>100% USA built and backed by a 5-year warranty. Product comes with carrying case, rechargeable batteries and charger.</td>
</tr>
</tbody>
</table>

Lapping Compound

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td>PinHigh Lapping Compound</td>
<td>220, 180, 120, 80, and 50 grit available in 25 lb. &amp; 10 lb. sizes.</td>
</tr>
<tr>
<td>Reel Sharp Lapping Compound</td>
<td>220, 180, 120, 100, and 80 available in 30 lb. &amp; 10 lb. sizes.</td>
</tr>
</tbody>
</table>

Kocheck Irrigation Products

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Clear GH Irrigation Hose</td>
<td>This high quality, lightweight, standard wall hose is crystal clear yarn reinforced PVC and suitable for a wide variety of irrigation applications. Available in 1” and 3/4” as well as different lengths. Features: Constructed with non-toxic compounds; NSF-51 certified material, Crystal clear so it allows visual confirmation of product flow, Longitudinally-reinforced to reduce elongation under pressure, High working and burst pressures, Abrasion resistant cover, Lightweight, Superior weather, ozone and ultraviolet resistance.</td>
</tr>
<tr>
<td>Dura Flow Irrigation Hose</td>
<td>Dura Flow is Heavy Duty Irrigation Hose specially designed for durability and maximum flow. Our high quality flexible compounds are uniquely blended to make this hose look and feel like comparable rubber hose yet it remains flexible and lightweight which makes it ideal for irrigation and water movement applications. Construction – Tube-Black PVC compound, Reinforcement-Spiral polyester yarn with additional longitudinal yarns; reduces elongation under pressure, PVC compound green cover. Features – UV and weather resistant, Excellent all weather flexibility, Easily recoiled after use, Silicone free core, Lightweight.</td>
</tr>
</tbody>
</table>
## MISCELLANEOUS

### Kocheck Irrigation Products

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>GH Irrigation Hose</td>
<td>This durable hose’s exterior cover is a smooth opaque green PVC compound reinforced with high tensile strength yarn. The inner tube is a smooth black PVC and is available in 3/4” and 1” diameters in 50’, 75’ and 100’ as well as in bulk quantities. High working and burst pressures to work well with golf and turf irrigation system pressures. Abrasion resistant smooth cover, Superior weather, ozone and ultraviolet resistance, Lightweight.</td>
</tr>
<tr>
<td>Ultralite High Pressure Irrigation Hose</td>
<td>A multi-purpose, lightweight, rigid 1” diameter irrigation hose that meets the needs of golf, sports turf and all irrigation market applications. Kokcek’s UltraLite features an abrasion resistant all polyester cover with polyurethane coating and a special helical interior reinforcement to retain its rigid shape. This thin-walled rubber lined hose is the most durable lightweight irrigation hose on the market. Lightweight and kink resistant. UL abrasion test of 15,000 cycles minimum. Working pressure 300 psi. Max burst pressure 1,200 psi. Weight 18 lbs / 100 ft. coupled. 1-Year warranty against defects in material and workmanship. Available in 50, 75, &amp; 100 ft. lengths.</td>
</tr>
</tbody>
</table>

### Turf Covers

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PRODUCT DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evergreen Radiant Turf Cover</td>
<td>12 year warranty. Each cover comes with the Evergreen Smart Edge™ technology; the material will not fray. Unique weave and lace coating technology increases soil temperature by as much as 10–12 °F, 5 °C. The silver coating radiates an additional 25% heat back into the soil. Patented technology. Easy installation and removal in minutes. Lightweight one piece construction. Silver coating specially designed to allow air, water, and sunlight to penetrate. Promotes earlier and more rapid germination. Designed exclusively for the turf industry. Protects turf from frost damage. Each cover includes pink sod staples and a storage bag. 6 standard sizes ranging from 500 ft² – 8,800 ft². Custom sizes also available.</td>
</tr>
<tr>
<td>Evergreen Premium Turf Cover</td>
<td>10 year warranty. Each cover comes with the Evergreen Smart Edge™ technology; the material will not fray. Green engineered coating increases the ground temperature in excess of 10° while blending in with natural turf surrounding. Exclusive material used only in the turf industry. Ideal daily use for frost protection. Installs and removes in 10–15 minutes using only 2–3 people. Promotes stronger and earlier root development. Vented to allow perfect air, water, and light penetration. Reduces the usage of water and chemicals. Eliminates spring clean up costs. Non-absorbing or clogging, keeps the same high performance year after year. Each cover includes pink sod staples and a storage bag. 6 standard sizes ranging from 500 ft² – 8,800 ft². Custom sizes also available.</td>
</tr>
<tr>
<td>Evergreen Original Turf Cover</td>
<td>7 year warranty. Each cover comes with the Evergreen Smart Edge™ technology; the material will not fray. White engineered coating reduces glare while increasing ground temperatures at the crown. Designed to give 3–7 years performance. Promotes stronger and earlier root development. Vented to allow perfect air, water, and light penetration. Eliminates damaging winter foot or animal traffic. Allows greens to open earlier. Eliminates spring clean up costs. Non-absorbing or clogging, keeps the same high performance year after year. Each cover includes galvanized sod staples and a storage bag. 6 standard sizes ranging from 500 ft² – 8,800 ft². Custom sizes also available.</td>
</tr>
<tr>
<td>Evergreen Ice Shield</td>
<td>The Ice Shield is used for those certain applications where water will not run off therefore building up and forming ice as the temperature drops. Acting as a shield, the Ice Shield creates a membrane between the crown of the plant and the ice. Solid non-permeable material. Single piece construction. Heated sealed seams. Clear in color, allowing sun penetration. UV stabilized for long life. Light weight for easy installation and removal. Strong, to give years of service. Ice can easily be removed from the cover’s surface. Each cover supplied with pegs and storage bag. 6 standard sizes ranging from 500 ft² – 8,800 ft². Custom sizes also available.</td>
</tr>
</tbody>
</table>
Scabbard, Leather
**PRODUCT DESCRIPTION:** AC 7220 – Universal design fits hand pruners, top-grain leather construction, stitched and riveted for durability, belt clip and loops included

**Compound–Action 32” Anvil Lopper**
**PRODUCT DESCRIPTION:** FL 3420 – 4-bar compound linkage triples your cutting power. Resharpenable, PTFE non-stick coated high-carbon steel anvil blade. 24” inch fiberglass handles. Replaceable blade and anvil. Extra-long 8” non-slip foam grips. Cuts up to 1.5” branches.

**Extendable Handle Compound–Action Anvil Lopper**
**PRODUCT DESCRIPTION:** FL 3450 – Fully heat-treated cutting head. PTFE non-stick coated blade for easy, clean cuts. Lightweight, strong fiberglass handles extends from 21 inches to 33 inches. Compound action multiplies your cutting power. Cuts up to 1.5” branches.

**Anvil Hand Pruner**
**PRODUCT DESCRIPTION:** AP 3110 – Hard Chrome body with resharpenable steel blade for durability. Lightweight, well balanced, designed for extended use. Cuts up to 3/4” diameter branches. Enclosed spring is protected from debris. Textured grips for non-slip cutting comfort. Anvil design for pruning dry and woody growth.

**Landscape–Irrigation Bypass Hand Pruner**
**PRODUCT DESCRIPTION:** BP 3670 – Sprinkler adjuster. Cuts up to 1” diameter green branches. Forged high-carbon steel forms a stronger, more durable cutting tool. Resharpenable, forged steel blade for long service life. Ergonomic angled pruning head for added comfort and reduced hand stress.

**Rolling Handle Bypass Hand Pruner**
**PRODUCT DESCRIPTION:** BP 4840 – Lightweight, forged aluminum construction for strength. Cuts up to 1” diameter green branches. Rolling handle designed to reduce cutting effort and hand fatigue. Geared pivot bolt permits precise blade adjustments. Replaceable, resharpenable high-carbon steel blade. Volute spring resists clogging and maintains smooth cutting action.

**Forged Bypass Pruner**

**Fixed Tines Shrub Rake**
**PRODUCT DESCRIPTION:** RK 62000 – 8” narrow head for working between closely spaced plants. Tempered spring steel for greater durability and long service life. Bi-curved bow gives even pressure to all tines for maximum raking efficiency. Tines apply light pressure for debris removal without damage to plant feeder roots. Double crimps hold tines in place. 54” wood handle. 2 rivets hold head to handle.

**Spring Brace Leaf Rake**
**PRODUCT DESCRIPTION:** RK 24003 – 24” / 24 tines fan shaped head combines flexible tines with durability of metal. Stress distribution bar that prevents tines from twisting or breaking when pressed on. Coated frame and tines resist rust. 54” wood handle.

**Bow Head Rake**
**PRODUCT DESCRIPTION:** RK 20022 – 60’ extra-long fiberglass handle with cushion grip allows working in upright position, reduces back strain. 16” / 16 tines tempered head for greater durability and long service life. Curved tines efficiently gather and moves soil. Bow serves as spring for better control of tine depth.

**Level Head Rake**
**PRODUCT DESCRIPTION:** RK 64002 – 16” / 14 tines wide head for rapid accurate tilling and leveling. Extra-thick, tempered, single-piece head for greater durability and long service life. Flat-head design for smooth tamping of seed beds. Narrow head enables soil preparation in small spaces, between existing plants. 60” Northern Ash wood handle allows working in upright position, reduces back strain.
Aluminum Landscape Rake
**PRODUCT DESCRIPTION:** RK 61062 – 36” / 36 tines. All aluminum construction combines durability with ease of use during finish grading process. 60” lightweight aluminum handle with anti-slip vinyl sleeve handle for gripping comfort in extreme heat and cold. Angled, extra-thick tine tips for long service life. Wrap-around brace support and heavy-duty head.

Folding Razor Tooth Pruning Saw
**PRODUCT DESCRIPTION:** RS 7255 – 8” curved-blade design for fast cutting. For small to medium branches, 3 sided razor teeth for efficient cutting. Impulse-hardened teeth for long service life. Replaceable, curved, taper-ground folding blade. Ergonomically designed, comfortable, co-molded handle.

QuickSaw® Folding Saw
**PRODUCT DESCRIPTION:** QS 7800 – 7” blade that cuts 20%, on average, faster than comparable professional saws with patent-pending tooth patterns. Stays sharp over thousands of strokes thanks to the same superior grade steel as advanced tactical knives. Cut faster and exert less force with the friction minimizing tapered blade. Lightweight, high-strength aluminum handle and release button make the saw easy to carry. For cutting small to medium branches.

Hedge Shear, Extendable Handle
**PRODUCT DESCRIPTION:** HS 3930 – 8¼ blade that narrows at the tip for fine trimming and shaping. Lightweight aluminum handles are adjustable from 15” to 26”. Heat-treated, high carbon steel blades for durability and strength. Cushioned bumper and ergonomic grip for comfort.

#2 Round Point Closed-Back Shovel
**PRODUCT DESCRIPTION:** SS 60020 – 14 gauge tempered steel blade. Sharpened blade edge and round-head design for efficient penetration and breaking of dense soils. Closed-back design protects handle from mud and dirt build up. Double rivets give greater strength. Large, forward-turned steps prevent material from spilling off rear of blade. 48” solid-core fiberglass handle with thick, molded poly jacket for maximum strength and long service life.

#12 Plastic Scoop Shovel
**PRODUCT DESCRIPTION:** SS 42001 – Heavy-duty gauge for greater strength and long service life. Designed for efficient moving of light, loose material. Western style head with reinforced ribs for heavy-duty applications. 48” wood handle.

#10 Aluminum Scoop Shovel
**PRODUCT DESCRIPTION:** SS 68030 – High-strength, Western style 12 gauge aluminum head reduces work load to a minimum while giving longer service life. Large, square-nose designed for efficient moving of light, loose material. 30” solid core fiberglass handle with thick, molded poly jacket for maximum strength and long service life.

#12 Steel Scoop Shovel
**PRODUCT DESCRIPTION:** SS 69000 – Large-capacity head is made of high-carbon steel for longer service life. Western style scoop head with reinforced ribs for heavy-duty applications. 48” Northern Ash wood handle.

Forged Ensilage Fork
**PRODUCT DESCRIPTION:** FK 74010 – Heavy-duty fork for moving ensilage, construction debris and similar materials. Forged, tempered steel head for maximum strength, long service life. 10 closely spaced oval tines for maximum lifting capacity. 30” wide steel rake and Northern Ash wood D grip handle enables moving of heavy loads while keeping weight near to body to prevent back strain.
TDAD/AMDF TurboDrop DualFan Nozzle
**PRODUCT DESCRIPTION:** Asymmetric DualFan nozzles are designed to provide a unique balance of coverage, penetration and drift control for turf spraying applications. Superintendents looking for better leaf coverage will benefit from the dual spray pattern and air-energized spray droplets. DualFan nozzles come apart by hand for easy maintenance. They are available in a variety of sizes, with either a polyacetal or ceramic metering orifice.

TDXL TurboDrop Air–Injected Nozzle
**PRODUCT DESCRIPTION:** The TurboDrop Venturi nozzle combines the drift control of a coarse spray (like a flood nozzle) with the uniform spray distribution of a flat fan nozzle. As a result, the TurboDrop nozzle may be used in more adverse operating conditions and still deliver on-target performance. The droplet spectrum is not overly coarse or too fine, and the air-filled droplets have proven to be effective for both contact and systemic chemicals. They are available in sizes 11001 through 11015, with either polyacetal or ceramic metering orifice.

AM AirMix Nozzle
**PRODUCT DESCRIPTION:** The AirMix nozzle is excellent for use on “Sprayhawk” walking booms, especially when smaller nozzles are used, due to 10” spacing, or when less pressure is available. Target 40 psi to optimize droplet size and patternation. The AirMix fits standard caps and may be used with standard strainers. They are available in sizes 11001 through 11006 and constructed of polyacetal.

DW SprayMax DualFan Nozzle
**PRODUCT DESCRIPTION:** The DW DualFan nozzle employs two conventional flat fan tips in an asymmetric dual cap. The dual tips are oriented 10 degrees forward and 50 degrees rearward to provide two-sided coverage on the leaf blade, while minimizing striping. Used in conjunction with a TurboDrop Venturi, the DualFan provides an added level of drift control. The Dual-Fan DW nozzle can achieve higher volumes for applications that require more water. They are available in sizes DW02 through DW20 and constructed of polyacetal.

Boom 85TD Boomless Nozzle
**PRODUCT DESCRIPTION:** The Boom 85TD is a pair of air injected boomless nozzles designed to increase efficiency when spraying fertilizer on fairways or in the rough. A stainless steel TurboDrop injector (Boom 85INJ) is combined with a stainless steel boomless nozzle to generate a more uniform and drift resistant spray pattern than is possible with a boomless nozzle alone.

Colorant Applications
**PRODUCT DESCRIPTION:** TurboDrop DualFans (TDAD), AirMix DualFans (AMDF), and SprayMax DualFans (DW) have all been used successfully to apply “paint” to turfgrass. These nozzles can be alternated on the boom to maximize coverage of the leaf surface, effectively spraying the target four times in one pass. Medium to coarse droplets will deliver an effective combination of coverage and drift control.

Gripper Tip Strainer
**PRODUCT DESCRIPTION:** Tip strainer with an integral seat gasket. Available in 24, 50, and 100 mesh variants. Polyacetal with stainless steel screen and EPDM gasket.

Handheld Windmeters
**PRODUCT DESCRIPTION:** Five versions of handheld windmeters are available that vary from very simple wind speed versions to versions that include functions such as wind chill, temperature, relative humidity, dew point and wind direction.
### Pavers

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Unilock Select Line</td>
<td>The best in concrete paving stones. Unilock Select line of products are engineered for performance. Designs include: Belpasso, Copthorne, Courtstone, Il Campo, Richcliff, Rivenstone, Series 3000, Umbriano, Unigranite, and Yorkstone</td>
</tr>
<tr>
<td>Tumbled Pavers Line</td>
<td>With their weathered appearance, tumbled pavers have become North America’s favorite interlocking paver. Designs include: Brussels Block, Brussels Fullnose, and Stonehenge.</td>
</tr>
<tr>
<td>Permeable Pavers Line</td>
<td>Engineered to assist the earth in its natural restoration process. Designs include: Eco–Optiloc, Eco–Priora, Turfstone.</td>
</tr>
<tr>
<td>Standard Pavers Line</td>
<td>These pavers started it all. Their classic, timeless beauty has been chosen by millions of people for over three decades. Designs include: Avante, Ashlar, Camelot, Hollandstone, Olde Greenwich, and Trevia.</td>
</tr>
<tr>
<td>Industrial Pavers Line</td>
<td>Created to withstand the high demands of heavy vehicular traffic, these pavers work in tandem to provide maximum interlock. Designs include: ADA Paver, Anchorlock, and Optiloc.</td>
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</tbody>
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### Walls

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td>Industrial Retaining Walls Line</td>
<td>Used in landscaping projects that require heavy-duty engineered retention systems. Designs Include: Pisa2, Roman Pisa and Siena Stone.</td>
</tr>
</tbody>
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EC Grow, Inc. PBI–Gordon Corporation
Foliar–Pak Precision Laboratories
FMC Coorporation Pure Seed
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J&D Turf Steel Green Manufacturing
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Koch United Turf Alliance