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Thank you for considering the products and services offered by ProGro, Inc.

We specialize in providing agronomic solutions that are based on proven principles, field tested and designed to meet the quality and economical demands of today's professional.

We will not sacrifice performance for economics. We believe that with today's technology and the application of basic, yet sound agronomics, the desired results can be met with less input and reduced overall expenditure.

In the **MATREX E₃TM Integrated Eco Agronomic Program**, a strong emphasis is placed on increasing the biological soil life and improving the "balance" of chemical, cultural and biological inputs. We have relied too heavily on synthetic and quick fixes that have skewed this balance reducing beneficial bacterial, fungal and microbial populations. The result has been poor performing soils resulting in added inputs and inconsistencies in performance. These programs and products assist you in reversing this trend. We believe we are the "stewards" of the products and practices that we implement. We have the ability to "Do The Right Thing" and where possible, to implement strategies that reduce the pesticide and synthetic load we place on our environment.

The companies that manufacture the products in this catalogue are chosen because their products work and they fit our agronomic and marketing philosophies. We will constantly research and look for improved products and methodologies to help you meet your objectives.

Our pricing strategies favor those manufacturers that do not set sales targets or utilize "floor pricing". We feel these policies are not fair to the consumer and can cause products to be recommended for financial rather than agronomic needs.

We hope you will consider utilizing all or part of the various programs and the products associated with them. We are here to serve you and make you successful in your operation.

Please feel free to call if you have any questions or if We can assist you in any way.

We wish you the very best for the 2009 season!

Aaron Goy, Managing Partner/ Eco Agronomist Turf & Ornamental

ProGro, Inc.
Operating Policies 2009

Invoicing and Terms:

All products are billed upon delivery. *Terms are net 30 days from the invoice date.*

ProGro, Inc. will deliver products ordered without requiring payment prior to delivery.

The Customer shall pay all invoices in full on or before 30 days from the invoice date.

Past due accounts will be subject to finance charges of 1.25% per month.

In the event an invoice is not paid on or before the due date, the Customer account may change to a pre-pay or C.O.D. status.

ProGro, Inc. reserves the right to take any and all legal recourse to collect money due.

Special Terms may apply to certain purchases and will be clearly noted on all invoices

ProGro, Inc. accepts VISA / MASTERCARD

Delivery:

Delivery is included in the prices quoted for those products shipped on our trucks.

ProGro, Inc. utilizes common carrier, UPS and Fed Ex for small or expedited deliveries when required. The charges for these services are added to the invoice.

Pricing:

Due to the commodity nature of many our product ingredients, the pricing can be volatile and is subject to change at anytime without notice.

ProGro, Inc. does offer discounts based on various manufacturer and company programs. These prices are protected for the term of the offer.

Product Returns:

ProGro, Inc. will exchange product that is still in a sellable condition. This means the container cannot be open and product labeling must be attached and in excellent condition. The returned product can be exchanged for other products offered by **ProGro, Inc.** Delivery charges will apply to exchanges.

ProGro, Inc. has sole discretion in determining when and if product can be exchanged.



Manufactured from Aerobically Composted Chicken Manure (ACCM), the Healthy Gro brand products are rich in humates, carbohydrates and proteins.

Excellent for providing plant nutrition and feeding soil life. ACCM compost is one of the best because it is uniform, consistent and nutrient rich. It is used as the base ingredient in all of the Healthy Gro Products.

The Healthy Gro Natural Based products are a key ingredient in the MATREX E₃ Management Program for Turf.

2-5-4

ACCM
Base Compost

Healthy Gro™ 2-5-4 ACCM is a natural source of high grade nutrients designed to replenish primary and secondary soil nutrients. 2-5-4 ACCM adds organic matter, proteins, humates and carbohydrates.

2-5-4 ACCM is 100% organic and provides controlled release nutrition for plants.

High in available phosphorus (P) and potassium (K) to promote root development and plant health. 2-5-4 ACCM contains 13% Calcium (Ca) further strengthening plant cells increasing disease tolerance and improving soil structure.

Use rate: 25 to 50# / 1000

SS 254

Screened
Compost

The base ACCM compost available in a screened form for use on large areas such as fairways and roughs. Excellent fairway dormant feed. Excellent pre plant for grow in situations.

Use rate: 1100 to 2200 lbs / acre

8-3-8

1% Fe
Full Micro

Healthy Gro™ 8-3-8 with Iron is a complete, balanced nutritional package providing quick green up with lasting plant and soil benefits.

Healthy Gro 8-3-8 with Iron is rich in humates, proteins, carbohydrates and trace minerals for healthy soil and prolonged feeding.

Use rate: 6.25 to 12.5 lbs / 1000

12-2-12

MU / SOP

Healthy Gro™ 12-2-12 is a controlled release plant and soil nutrition product.

12-2-12 delivers a steady feed of nitrogen and potassium in a homogenous formulation for improved plant health, lasting color and improved soil structure. It is made from ACCM Compost, methylene urea and sulfate of potash.

Use rate: 4.0 to 8.0 lbs / 1000

3-3-9

Dormant Grade

A high potassium analysis designed for dormant applications. It provides 100% organic nitrogen with sulfate of potash. **3-3-9 Dormant Grade** contains 10% Calcium to aid in plant cell strength and development and to improve soil structure.

Use Rate: 10 to 25 # / 1000

Healthy Gro granular products are available in 50# bags, 500, 1000 and 2000 lb totes

Bulk Drop Shipments are available—Call for price and delivery quote

Green Grade is 95 SGN Fairway Grade is 155 SGN

ME TEE OR is a revolutionary combination of key plant nutrition, root development and stress reducing products. It is specifically designed to meet the demands of golf course tee boxes where there is increased stress, constant over seeding and increased nutritional requirements.

ME TEE OR applied on a monthly basis will improve seed germination, seedling resiliency and overall plant health.

ME TEE OR is high in phosphorous, potassium and calcium to provide the right start for seed establishment and development.

ME TEE OR is formulated with Zeta plex technology to improve plant uptake and prevent nutrient tie up in the soils.

Use Rate: 5 to 10# / 1000

Available in 155 SGN Only


ME TEE OR

11-0-22

**Spring / Fall
AMS/MOP Blend**

11-0-22 Spring / Fall AMS Blend is a high performance product designed for early or late applications on bluegrass and ryegrass fairways and roughs. It utilizes ammonium sulfate and muriate of potash to deliver key plant nutrition and soil adjusting potassium. Used at 200# per acre it will provide .75# / 1000 N and 1.5 # / 1000 K. This product is a very course grade and should not be used on bent grass.

Use Rate: 200 # / acre

**ProGro
Organic
Custom Blends**

ProGro Organic can develop and manufacture a custom analysis to meet the specific nutritional objectives for your course.

ProGro Organics are manufactured with quality ingredients and can be designed utilizing almost any nutritional or amendment ingredients.

ProGro Organic is an excellent option for Grow In and Construction Amendments.

Contact you ProGro Agronomist for information

You made the best choice in fertility....

.... We'll help you make the best application

For nearly a decade, Golf Course Superintendents and Sports Turf Managers have been experiencing the benefits of applying Healthy Gro Brand ACCM Compost products. In an effort to make the applications simpler and more accurate, Pearl Valley Organix, Inc has purchased a top of the line high volume spreader for it's customers to use.

The Cricket Series spreader from BBI Spreaders, Inc. allows you to accurately apply products at rates as low as 150 pounds per acre up to 2 tons per acre.



2-3 ton compost, fertilizer and lime spreader is designed for precision dry material application. The Cricket provides a dependable option to meet those needs. The Cricket requires only a 40-50 horsepower tractor to pull the spreader. With a narrow wheel track width, it can be maneuvered through narrow paths. Wide flotation tires are standard to minimize compaction. A standard 16" stainless steel mesh chain is powered by a ground wheel drive. The spinners are powered by a PTO shaft and can also be powered by tractor supplied hydraulics. Built on a heavy duty 12,000 lb. axle, The Cricket effectively manages the rough terrain it may encounter.

Introductory Offer!

- **Purchase 22 tons of Healthy Gro 2-5-4 ACCM compost @ \$180.00 per ton delivered and get use of the Cricket spreader FREE! An excellent fall and winter application that provides key nutrients, improves soil structure, aids in plant protection from winter stresses and provides nice spring green up!**
- **Purchase any other Healthy Gro brand products and rent the Cricket spreader for just \$275.00 per day.**
- **Use of the spreader for lime, gypsum or other applications can be reserved for \$325.00 per day.**

Call To Reserve Spreader Dates For 2009!

Knox / Shaw Brand Synthetic Fertilizer



Knox Fertilizer has been a family owned business since 1950 when it was founded by Robert and Georgia Shaw. With operations based in northwest Indiana, Knox Fertilizer has been in the specialty end of the plant food business since its inception. Its geographic location in the center of most large metropolitan markets west of the Appalachian Mountains and east of the Great Plains population centers, provides its customers a better cost position for input and warehousing opportunities. Knox products are sold solely through professional and end use distribution.

Herbicides

Shaw's control products deliver pest control remedies such as herbicides, insecticides, or fungicides to a target area via an impregnated inert granule. The granular formulation of these products make it ideal for small or hard to access areas or in places where a liquid application may not be the most efficient means of control.

Insecticides

Shaw's combination products are a combination of plant food and a pest control remedy such as an herbicide, insecticide, or fungicide. These products are applied to turf in order to provide uniform delivery of a lawns nutrient and plant protection needs in a single granular application.

Control Granules

Shaw's control products deliver pest control remedies such as herbicides, insecticides, or fungicides to a target area via an impregnated inert granule. The granular formulation of these products make it ideal for small or hard to access areas or in places where a liquid application may not be the most efficient means of control.

Plant Growth Regulators

Cutless® (flurprimidol) is a turf growth regulator. Cutless reduces or slows turf growth, but unlike other PGR products, it doesn't suppress development. Here's why: it grows with shorter internode length (i.e., fully developed cells, but reduced in size). This reduces mowing and grass clippings. And treated turf needs up to 25% less water.

ProGro, Inc handles the complete line of Professional Turf Products manufactured by Knox Fertilizer Company

Call your ProGro Agronomist for product information and current prices

CAMPO≈VERDE

Z e t a x p l e x™ Amino Acid Foliar Nutrition

Zeta x plex is the combination of a patented amino acid polymer and a manufacturing process providing a product that is readily taken into plant tissue and remains available to the plant for substantially longer periods. *This allows maximum plant nutrition utilizing low dose applications.*

Zeta x plex restructures atoms into smaller forms, or *Dalton Units*. These smaller units are able to penetrate the *Carpasian Strip* and provide immediate nutrition. **Zeta x plex** delays the formation of insoluble, unavailable precipitates due to the interaction of positive and negative ions.

CAMPO≈VERDE

18-3-4

Z e t a x p l e x N™

Campo Verde 18-3-4 Zeta plex N is a high performance foliar fertilizer. It rapidly enters plant tissue providing efficient and effective plant nutrition.

CAMPO VERDE 18-3-4 Zeta plex N is not affected by common soil and plant issues impacting nutrient uptake and utilization.

Use rate: 3.0 to 6.0 oz / 1000 sq ft

CAMPO≈VERDE

1-0-15

Z e t a x p l e x K™

Campo Verde 1-0-15 Zeta plex K is a balanced blend of nitrogen, potash, and micro-nutrients designed for foliar application. Increased potassium levels in plant tissue enhance the plants ability to combat stress and disease. Balanced micronutrient ratios are designed for deep lasting color and foliar performance.

Use rate: 3.0 to 6.0 oz / 1000 sq ft

CAMPO≈VERDE

9-0-0

Z e t a x p l e x 12% Ca™

Campo Verde 9-0-0 12% Zeta plex Ca is a concentrated calcium complexed with an amino acid polymer for improved plant uptake. Calcium is an essential element required for plant cell development and strength and proper seed germination.

Campo Verde 9-0-0 12% Zeta plex Ca supplemented in foliar programs improves stem strength and plant tolerance to disease and stress

Use Rate: 3.0 to 6.0 Oz / 1000 sq ft

CAMPO≈VERDE

12-4-6

Bio Based Fertilizer

Campo Verde 12-4-6 Bio Based Fertilizer is a concentrated liquid supplement to foliar and soil based programs. Campo Verde 12-4-6 Bio Based Fertilizer promotes rapid root growth and speeds recovery of damaged or stressed turf. It has a full minor package, sea plant extract and fulvic acid.

Campo Verde 12-4-6 Bio Based Fertilizer is an excellent tree and landscape fertilizer.

Use rate: 3.0 to 9.0 oz / 1000 sq ft

Campo Verde products are available in 2 x 2½ gallon cases, 30 and 55 gallon barrels

PROMOTE

Root Zone / Stress Management

The foundation product of the MATREX E₃ Management Program for turf grass is PROMOTE. Both field experience and University research has validated the benefit of managing the dynamics of the root zone to provide the proper conditions and nutrients for plant health-especially under stress conditions.

PROMOTE is a combination of Sea plant Extract, a matrix active wetting agent , iron and manganese. This proprietary combination works synergistically in the root zone to deliver the following benefits

- Optimum root zone moisture and oxygen level
- Reduced localized dry spot
- Increased root mass and length
- Increased cell wall strength
- Increased plant photosynthesis
- Increased plant health, disease and stress tolerance

CAMPO≈VERDE



PROMOTE

Root Zone Management

PROMOTE is a proprietary combination of humates, seaweed extract and wetting agents designed to work in harmony to break the chemical bonding of tied-up mineral nutrients in the root zone. PROMOTE improves the biological activity of the soil to improve tilth and texture.

Use rate: 4.0 oz / 1000 when used alone 3.0 oz / 1000 with Zetaplex foliar

Begin applications when regular mowing begins in the spring

Repeat applications on a two week frequency during summer stress periods

The “Natural Value” of Sea plant Extract

Sea plant extract contains naturally occurring hormones that promote root development and plant health (cytokines and auxins)
It contains naturally occurring amino acids, vitamins, primary, secondary and trace elements known to be essential for turf grass
Studies show increased overall plant health during key stress periods increasing natural disease tolerance especially to anthracnose

Matrix Active Wetting Agent

100% alkyl polymer works to improve the water and oxygen movement throughout the root zone
Holds critical moisture when needed and releases water when there is an excess
Improves soil environment to promotes increase microbial life
Aids in relieving soil compaction

Iron & Manganese

Two critically essential micronutrients for chlorophyll production and synthesis.
A balanced ratio provides synergistic activity when used in combination
In high phosphorous and high pH soils there is an inability for the plant to consume these elements
Soil chemical tie up prevents utilization in soils that have adequate levels

This product has provided the most benefit to Superintendents than any other we sell!



EnP Inc. is a quality manufacturer of specialty products located in Mendota, Illinois. **EnP Inc.** has formulated many popular private label products utilized for turf grass management. They operate a Federally licensed facilities utilizing GPL (Good Laboratory Practices).

EnP Inc. Specialty Nutrition products can be used to correct, enhance or improve most agronomic conditions.

CAMPO≈VERDE

15-0-0

6% Liquid Iron

Campo Verde 15-0-0 Humic Iron is a fast acting, long residual Iron source for all turf uses. The humic substances provide increased performance under cool weather conditions.

Use Rate: 3.0 to 6.0 fl oz / 1000 sq ft

CAMPO≈VERDE

25-0-0

Extended Release Nitrogen

Campo Verde 25-0-0 ERN is a concentrated liquid fertilizer used to supplement foliar and soil based programs. Sea plan extract is added for improved stress tolerance, root development and nutrient uptake. A urease inhibitor extends nitrogen utilization and reduces volatilization and leaching.

Use Rate: 3.0 to 6.0 oz / 1000 sq ft

CAMPO≈VERDE

0-0-27

Potassium Carbonate Complex

Campo Verde 0-0-27 Potassium Carbonate Complex is a high analysis liquid potash fertilizer that may be used in soil and foliar applications. Campo Verde 0-0-27 contains humic substances to increase nutrient availability and uptake. It contains *no* chlorides and therefore has a low salt index. It is a stable liquid and can be used in injector and irrigation systems.

Use rate: 3.0 to 6.0 oz / 1000 sq ft

CAMPO≈VERDE

0-0-29

MEGA K TURF

MEGA K TURF is a liquid non-carbonated potassium concentrate with a low salt index. Formulated from food grade materials to reduce leaf and stem discoloration often associated with other liquid potassium products. Potential for leaf burn is also reduced by the low sulfur content of only 5.00%.

MEGA K TURF is designed to be applied at low spray volumes for uptake by the plants stomata, and root system.

MEGA K TURF is compatible with most liquid and wettable materials. A standard quart jar test should be done prior to tank mixing.

Use Rate: 3.0 to 6.0 fl oz / 1000 sq ft

CAMPO≈VERDE

MGN

Liquid 5

Zeta plex™ Mn / Mg

Campo Verde Zeta plex Mn / Mg is formulated with specific micronutrients Manganese and Magnesium proportioned to provide a biological synergy for fast green up with lasting results. Magnesium is an essential component of chlorophyll. Soils that are high in phosphorous content can inhibit the uptake of Magnesium.

Available in 5% Liquid and 25% Soluble

Use Rate: 3.0 to 6.0 fl oz / 1000 (liquid) 1.25 to 2.5 lb / acre (dry)

Campo Verde products are available in 2 x 2½ gallon cases, 30 and 55 gallon barrels



Specialty Nutrition Products



EnLiven is a blend of organisms that reproduce rapidly and work against pathogenic bacteria and fungi that are present in the soil. EnLiven contains soluble Amino Acids that improve nutrient uptake in the root zone and leaf surface. EnLiven applied on a regular basis will increase the beneficial bacteria and fungi in the soil.

Use rate: 1# / acre



Humic 12 works as a complexing agent when formulated with trace elements. This helps unlock nutrients such as phosphorus and potash, making them more readily available to the plant and improves uptake and availability of micronutrients to the plant. Humic 12 Increases cation exchange capacity at the root zone for better uptake of nutrients. Foliar applications of Humic 12 increases permeability of plant membranes

Humic 12 conditions the soil, helping provide a friendly environment for soil microbes improving seed germination and root development.

Use Rate: 0.25 to 1.0 oz / 1000 sq ft



Carbon Source Plus introduces large populations of beneficial bacteria to the soil. These soil microorganisms help break down and release nutrients stored in water insoluble mineral particles in the soil. Carbon Source Plus immediately stimulates soil borne microorganisms adversely affected by environmentally stressed soils.

Use rate: 1.0 to 3.0 oz / 1000 sq ft



KelpPro is a super liquid concentrate specifically designed to enhance the overall performance of fertilizers and improve stress tolerance of plants by encouraging denser root development. Kelp-Pro is a rich formula of sea plant extracts rich in natural plant hormones. Regular applications of Kelp-Pro will improve root development, overall plant health and vigor.

Use rate: 0.5 to 2.0 oz / 1000 sq ft



Nautico Verde is a unique cold process seaweed liquid extract processed from fresh harvested Ascophyllum Nodosum. This seaweed is collected from the coast line in north west Ireland. The cold extraction process preserves the cytoplasm and nutrients, including the naturally occurring plant growth regulators (cytokines and auxins) and amino acids. The resulting stable liquid has a shelf life of one to two years when kept away from excessive heat and light.

Use rate: 1.5 to 6.0 oz / 1000 sq ft



Energy is a liquid blend of Iron, Manganese and Zinc in an organic nitrogen matrix that allows the plant to absorb the nutrients through the leaf or by the root. Energy is formulated with a blend of sugars and starches that holds the metallic ions in solution allowing the plant to biologically assimilate the nutrients as they are needed.

Energy is an excellent choice for speeding the recovery time of turf damaged by mechanical manipulation and heavy play.

2.5% Iron , 2.5% Zinc , 2.5% Manganese

Use Rate: 3.0 to 6.0 oz / 1000 sq ft

Assure II

5-16-4

Premium Foliar

Assure II is a premium quality foliar nutrient product for use on turf grass, ornamentals and trees. It provides two separate sources of phosphorus that are readily available to the plant, plus nitrogen, potassium and calcium.

Assure II uses a unique manufacturing process that keeps the major elements of calcium, potassium, and phosphorus from forming insoluble nutrients in both the spray tank, and in the soil. This unique combination allows maximum plant uptake.

Assure II can be used throughout the growing season as a supplementary source of the major elements of nitrogen, phosphorus, potassium, and calcium.

Use Rate: 1.0 to 3.0 fl oz / 1000 sq ft

Campo Verde products are available in 2 x 2½ gallon cases, 30 and 55 gallon barrels

Campo Verde and Zeta plex are registered trademarks of EnP Inc.



Performance Enhancing Nutrition Products (cont)



High Drive provides quick relief to turf under stress. High Drive gives new seedlings, sprigging and sod a quick, non-burning nutrient surge for faster rooting and plant development. The natural additives in High Drive helps the plant immediately accept nutrition through the leaf and rapidly translocates it throughout the plant. Balanced micronutrient ratios are designed for deep lasting color and foliar performance.

Use Rate: .5 to 1.5 oz / 1000



TALON is designed to provide key nutrients to promote improvement in overall plant health and stress tolerance.

TALON utilizes readily available secondary and micronutrients targeting cell division, chlorophyll formation, increased nutrient mobility and utilization.

TALON bio-based formulation promotes increased plant photosynthesis, plant respiration, and the metabolism of carbohydrates, and nitrogen.

Use Rate: .75 to 3.0 oz / 1000 sq ft



LIQUID TRACE contains of a source of sequestered secondary nutrients needed for healthy plant growth.

8% Sea Plant Extract added for improved nutrient uptake.

Contains: 0.5%B, 1.75%Fe, 1.7%Mg, 1.0%Mn, 0.001%Mo, 3.0%S, 2.0%Zn

Use as a corrective measure for micro-nutrient deficiency.

Use Rate: 2.0 to 4.0 fl oz / 1000 sq ft



GreenMag is a specially formulated, readily available source of foliar Magnesium.

GreenMag can be added to most foliar and spray programs to increase the available Magnesium improving plant stress tolerance and photosynthesis.

GreenMag is packaged in convenient 1 lb packages.

Contains: 10.8% Magnesium, 12% Sulfur

Use Rate: 1/2 to 1 lb / acre



MEGA-MAN is a liquid foliar formulation designed for maximum uptake of manganese. **MEGA-MAN** prevents and corrects deficiencies in turf. If added to a spray tank, it will aid in lowering water pH. The addition of a non-ionic surfactant will aid in the uptake.

Contains: 8% Manganese, 5% Sulfur

Use Rate: 3.0 to 6.0 fl oz / 1000 sq ft



MEGA-MAG is a Sulfur foliar liquid formulation. Designed for maximum uptake of magnesium. Since both leaves and woody tissue easily absorb **MEGA-MAG**, it is very effective as a foliar spray. **MEGA-MAG** prevents and corrects deficiencies in turf, fruit, and most other crops. If added to a spray tank, it will aid in lowering water pH. The addition of a non-ionic surfactant will aid in the uptake.

Contains: 7% Nitrogen, 6% Soluble Magnesium

Use Rate: 3.0 to 6.0 fl oz / 1000 sq ft



Calcium Products

Calcium is important in maintaining proper base saturation levels of anions that populate the soil colloids freeing up essential nutrients that are tied up in the soil. Calcium is also required by plants for improved stress tolerance, seed germination, and cell wall development. Specific plant and soil conditions can greatly effect what form of calcium will improve your turf health, ProGro's Eco Agronomic Programs utilize different forms of calcium throughout the growing season to maximize the benefit to both plant and soil.



Liquid Sprayable Calcium Supplement

Mega Cal II is a high analysis liquid calcium suspension for the correction of calcium deficiencies and strengthening cell walls. Calcium is important in maintaining proper base saturation levels of anions that populate the soil colloids.

This product can be applied for soil pH modification.

Mega Cal II is formulated from organically certified materials and can be applied as a foliar treatment.

Use Rate: 3.0 to 6.0 oz / 1000 sq ft

CAMPO≈VERDE

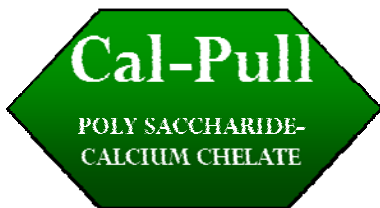
9-0-0

Zeta α plex 12% Ca™

Campo Verde 9-0-0 12% Zeta plex Ca is a concentrated calcium complexed with an amino acid polymer for improved plant uptake. Calcium is an essential element required for plant cell development and strength and proper seed germination.

Campo Verde 9-0-0 12% Zeta plex Ca supplemented in foliar programs improves stem strength and plant tolerance to disease and stress

Use Rate: 3.0 to 6.0 Oz / 1000 sq ft



Cal-Pull is a highly effective soil penetrating agent that contains 6% chelated calcium.

Cal-Pull is highly effective in moving salt through the soil profile.

Cal-Pull is especially useful in Seashore Paspalum grass programs.

Use Rate: 3.0 to 6.0 oz / 1000 sq ft



Fairway Plus Liquid Fertilizers

A New Concept for Professional Turf Management

- ◆ Fairway Plus products are designed, formulated, packaged, and priced for application on fairways and athletic fields with fungicides, plant growth regulators and other nutritional products.
- ◆ Nutrients are immediate availability, no waiting for products to dissolve.
- ◆ Lost to de-nitrification is minimized.
- ◆ Can be used in fertigation systems.
- ◆ Available in 30, 55 and 250 mini bulk

The use rates of Fairway Plus products should be determined based on your agronomic objectives.

<p style="text-align: center;">FAIRWAY PLUS</p> <div style="background-color: #4a7ebb; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">20-0-5</div> <p style="text-align: center; color: #4a7ebb; font-weight: bold;">Liquid Turf Food</p>	<ul style="list-style-type: none"> ▶ 20-0-5 is a combination of fast acting nitrate nitrogen, to provide quick green up along with an Ammoniacal source for longer lasting color. ▶ 20-0-5 is designed to enhance overall performance when used with applications of plant growth regulators and fungicides. ▶ 20-0-5 provides increased plant photosynthesis and aids in stress management. <p>Each gallon contains: 2.2 lbs. (N), 0.55 lbs. (K)</p>
<p style="text-align: center;">FAIRWAY PLUS</p> <div style="background-color: #e67e22; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">17-2-4</div> <p style="text-align: center; color: #e67e22; font-weight: bold;">with Extended Release N</p>	<ul style="list-style-type: none"> ▶ 17-2-4 is designed specifically to increase plant health and overall turf quality on golf course fairways and athletic fields. ▶ The nitrogen source contains a Urease inhibitor which prevents nitrogen loss by volatilization and bacterial degradation. ▶ 17-2-4 will enhance overall performance when used with applications of plant growth regulators and fungicides. <p>Each gallon contains: 1.9 lbs. (N), 0.22 lbs. (P), 0.44 lbs. (K)</p>
<p style="text-align: center;">FAIRWAY PLUS</p> <div style="background-color: #27ae60; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">20% Calcium</div> <p style="text-align: center; color: #27ae60; font-weight: bold;">Liquid Calcium Suspension</p>	<ul style="list-style-type: none"> ▶ 20% Calcium is a stabilized liquid form of calcium carbonate that may be applied by spray rig or through irrigation water. ▶ 20% Calcium can be used for the modification of soil pH ▶ 20% Calcium is important in maintaining proper base saturation levels of anions that populate the soil colloids. ▶ 20% Calcium causes the release of the sodium to soil bond reducing salt content of soils. ▶ 20% Calcium is an essential element for plant health and during periods of stress. <p>Each gallon contains: 2.0 lbs. (Ca)</p>
<p style="text-align: center;">FAIRWAY PLUS</p> <div style="background-color: #f39c12; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">10-0-0</div> <p style="text-align: center; color: #f39c12; font-weight: bold;">Iron Manganese Complex</p>	<ul style="list-style-type: none"> ▶ Fairway Plus 10-0-0 is a blend of ferrous sulfate, manganese sulfate, and urea complexed with citric acid. ▶ Improves turf color when used with Primo™ and other turf chemicals. ▶ 10% N, 6.0% Fe, 2.0% Mn, 3.7% S, and 2.0% non-ionic surfactant <p>Each gallon contains, 0.9# N, 0.54# Fe, 0.18# Mn, and 0.33# S.</p>

Phosphites

Over the past few years, the phosphite technology has become very popular. This is due to its benefits to overall plant health and its ability to aid the plant by activating its natural defense mechanisms during stress periods. The protection is provided during the conversion phase as the “phosphite” gains oxygen molecules and changes to “phosphate”, a common fertilizer.

There are many phosphites on the market with varied cost structures. **ProGro** are selected based on purity of raw materials, the reaction process and their performance under real conditions.

You can have confidence that ALL **ProGro** phosphites will perform well and greatly improve your plant health strategy during the key summer stress period.

AT 44 Phosphite



A new technology that utilizes urea in the reaction to increase the efficacy and the concentration of phosphite. This allows a lower use rate with increased plant mobility and utilization Urea phosphite

Use Rate 1.5 fl oz / 1000 sq ft 2x2.5 gl jugs

Labeled for disease control when tank mixed with Nutrol

AT 22 Phosphite



Improved reaction technology combined with food and pharmaceutical grade raw materials. This increases both the speed of uptake and coverage within the plant. Used during key summer stress periods on tees and fairways.

Use Rate 3.0 to 6.0 fl oz / 1000 sq ft 2X2.5 gl, 55 gl, Bulk

Nutrol

Monopotassium phosphite
8x5 lb bags

Nutrol is similar in technology to the potassium phosphates. It is a reaction process using food grade technology to change the form and activity of a fertility product so that it provides fungicidal activity. Used in combination with Armor Tech 44 for a EPA registered fungicide for Pythium and others.

Use Rate: 5.5 lb / acre Consult label for specific disease control rates.

Note: Phosphites that carry a fungicide label have been classified as :

Group	33	Fungi-
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Rhapsody Bio Fungicide



Two years ago we introduced Rhapsody from Agra Quest. It is a unique microbial fungicide that exhibits effective control of a wide array of bacterial and fungal pathogens, while providing unsurpassed plant and human safety. The powerful lipopeptides produced by Rhapsody's *Bacillus subtilis* disrupt and destroy germ tubes and mycelium.

Rhapsody has a short re entry interval (4 hours). It offers multi-site mode of action to aid in disease resistance management and has no phytotoxicity issues.

Our experience with the product gives us a great deal of confidence in recommending Rhapsody in combination with current fungicides to improve disease control and increase overall turf quality. Because it is a biological product, it has allowed us to reduce synthetic pesticide use in our 2009 preventative pest control program by 13%.



A new biological technology designed to be tank mixed with low end rates of many current fungicides or used alone. Controls dollar spot, brown patch, anthracnose and others.

Use Rate 3.0 fl oz / 1000 sq ft in a tank mix of 10.0 fl oz / 1000 when used alone

Bacillus subtilis
2X2.5 g/l

Armor Tech Fungicides

Armor Tech is a product line introduced by United Turf Alliance in 2005. The line is based on high quality, economics and innovation. We believe that based on field performance, formulation quality, product service and the lower cost makes these products the most superior brands in the market today.

Call your ProGro Agronomist for specific use recommendations.

All Armor Tech Pest control products are backed by a performance and satisfaction guarantee.

CLT 825



CLT 825 Dependable, economical performance each and every time. CLT 825 DF brings many advantages to your turf grass disease management program. Non clogging-Dry flowable formulation.

82.5% Chlorothalonil 4X5 case

Group **M5** Fungicide

CLT 720

CLT 720 is a dependable, economical performance each and every time. CLT 720 Flow brings many advantages to your turf grass disease management program. Convenient flowable formulation.

54% Chlorothalonil 2 x 2½ gl case

Use Rate: 3.0 to 11.0 fl oz / 1000

Group **M5** Fungicide

PPZ 143



PPZ 143 is a systemic fungicide for use on turf for control of dollar spot, brown patch, anthracnose, Fusarium, Red Thread, Summer Patch, Take All Patch, Grey Leaf Spot, Leaf Spot and others.

14.3% propaconazole 2 x 2½ gl case 1 gl container

Use Rate: 0.5 to 4.0 fl oz / 1000

Group **3** Fungicide

TMI 20/20



TMI 20/20 is a combination product with systemic and contact mode of action. Controls a wide spectrum of common disease including dollar spot, brown patch, anthracnose and leaf spot. Very economical for fairway applications.

20% iprodione 20% thiophanate methyl 1 gl container

Use Rate: 1.0 to 3.0 fl oz / 1000

Group **1,2** Fungicide

TM 462



TM 462 is a true systemic fungicide for broad spectrum disease control. Controls brown patch, dollar spot, anthracnose, Fusarium blight and patch diseases. Flowable formulation for convenient use.

4.5# thiophanate methyl 2 X 2 1/2 gl case

Use Rate: 1.0 to 10.0 fl oz / 1000

Group **1** Fungicide

IP 233



IP 233 fungicide is a broad-spectrum product that provides unsurpassed control of brown patch, dollar spot and a variety of other destructive turf grass diseases. 14 days or longer residual. IP233 also provides quick disease knockdown, even at the height of summer heat and humidity.

23.3% iprodione 2 x 2½ gl case

Use Rate: 3 to 8 oz / 1000

Group **2** Fungicide

General Fungicides

Controls and prevents pythium, phytophthera, yellow turf, anthracnose, while enhancing turf quality. A fungicide program with Autograph controls many stress related disease complexes.

Autograph 70 DF

70% Aluminum Tris 25 lb Case

Group	33	Fungicide
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Use Rate: 12.5-2.5 lb/ acre (12.5 lbs Autograph = 11 lbs Signature)

Bayleton® 50 WSP

A systemic fungicide for controlling Fusarium patch, summer patch, anthracnose and dollar spot.

50% Triadimefon 4x1.375 lb case Mini Drum 50X11 oz

Use rate: 0.5 to 1.0 oz / 1000

Group	3	Fungicide
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Chloro 4 ZN

A broad spectrum contact fungicide for the control of most turf diseases including algae.

Labeled for use on golf course greens and fairways

4.0 # Chlorothalonil plus Zinc 2 x 2½ gl cases

Use Rate: 3.0 to 8.0 oz / 1000 sq ft

Group	M	Fungicide
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Curalan® EG

Curalan is a contact fungicide that controls many diseases of turf and ornamentals.

Controls Dollar Spot, Leaf Spot, Melting Out, Red Thread, Pink Patch, Brown Patch, Gray Snow Mold, Fusarium Patch, and Pink Snow Mold.

50% Vinclozolin x 2.75lb cases

Use Rate: 1.0 to 2.0 oz / 1000

Group	2	Fungicide
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DisArm™



A new product from Arvesta Chemical. A class of strobilurin that combines trans laminar and systemic uptake for improved protection and control. Controls patch diseases, anthracnose, pythium and 60% control of dollar spot.

40.3% Fluoxastrobin 4#/gallon 16 and 64 oz bottles

Use Rate: 8.0 to 16.0 fl oz / acre

Group	11	Fungicide
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DisArm™/C

Is the only Strobil/ Chlorothalonil Premix for control of 30 diseases.

2.44% fluoxastrobin .25#/gallon 4# Chlorothalonil / gallon 2.5 gl jugs

Use Rate: 4.0 lb / gl Chlorothalonil

Group	M5	Fungicide
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Group	11	Fungicide
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Fore® WSP

A quick acting short term fungicide for the control of dollar spot, brown patch, rust, pythium and algae. Best results are achieved when tank mixed.

Mancozeb 8x4x1.5 lb case

Use Rate: 4.0 to 8.0 oz / 1000

Group	M3	Fungicide
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Mefenoxam 2 AQ

An aqueous flowable fungicide for the control of certain diseases in turf, nursery and ornamental crops caused by the Oomycete class of fungi

22.5% Mefenoxam 1 gl container

Use Rate: 0.5 to 1.0 oz / 1000 sq ft

Group	4	Fungicide
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General Fungicides

Pentathlon DF	<p>Pentathlon DF is a broad spectrum fungicide controlling algae, leaf spot, grey leaf spot, red thread, slime mold and others.</p> <p>75% manganese zinc ethylene thiocarbamate</p> <p>Use Rate: 4.0 to 8.0 oz / 1000 sq ft</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">42</td> <td>Fungicide</td> </tr> </table>	Group	42	Fungicide
Group	42	Fungicide			
ParFlo 10G	<p>A broad spectrum fungicide for control and prevention of certain soil borne diseases on golf courses, sod farms and home lawns. Excellent choice for snow mold, leaf spot, dollar spot and brown patch control.</p> <p>10% PCNB 50# bags</p> <p>Use rate: 7.0 to 15.0 lb / 1000</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">14</td> <td>Fungicide</td> </tr> </table>	Group	14	Fungicide
Group	14	Fungicide			
ParFlo 4F	<p>A broad spectrum pentachloronitrobenzene fungicide for control and prevention of certain soil borne diseases on golf courses, sod farms and home lawns. Excellent choice for snow mold, leaf spot, dollar spot and brown patch control.</p> <p>38.3% PCNB pentachloronitrobenzene 2 x 2.5 gl cases</p> <p>Use rate: 8.0 to 12.0 fl oz / 1000</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">14</td> <td>Fungicide</td> </tr> </table>	Group	14	Fungicide
Group	14	Fungicide			
TM/C WDG	<p>All Purpose Fungicide. Both systemic and contact fungicidal activity. Provides long lasting broad spectrum disease control for turf, nursery and ornamental use. Controls dollar spot, dreschlera, brown patch, summer patch, fusarium blight, anthracnose and most other fungi.</p> <p>50% Chlorothalonil 17% thiophanate methyl 4x5# case</p> <p>Use Rate: 2.0 to 8.0 oz. / 1000</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">1,</td> <td>Fungicide</td> </tr> </table>	Group	1,	Fungicide
Group	1,	Fungicide			
Thiram Flo	<p>Controls dollar spot, brown patch, leaf spot, rust, red thread, snow mold and others.</p> <p>42.11% thiram 2x2.5 gl</p> <p>Use Rate: 3.75 to 12.0 oz / 1000 sq ft</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">M3</td> <td>Fungicide</td> </tr> </table>	Group	M3	Fungicide
Group	M3	Fungicide			
Vital Sign	<p>Vital Sign is the top preventative pythium fungicide available, according to university research. Its exclusive formulation provides consistent, effective, pythium control, while stimulating grasses natural defenses to improve turf health and quality</p> <p>Potassium Phosphite plus AYXX pigment 2X2.5 gl case</p> <p>Use Rate: 4.0 to 8.0 oz / 1000 sq ft</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">33</td> <td>Fungicide</td> </tr> </table>	Group	33	Fungicide
Group	33	Fungicide			
Veranda T WDG	<p>Excellent control of brown patch, large patch, foliar and basal rot anthracnose, grey leaf spot and fairy ring</p> <p>11.3% Polyoxin-D Zinc Salt</p> <p>Use Rate: 2—4 lbs /acre</p>	<table border="1"> <tr> <td>Group</td> <td style="background-color: black; color: white;">19</td> <td>Fungicide</td> </tr> </table>	Group	19	Fungicide
Group	19	Fungicide			

NOTICE

New products are added on a regular basis.
Please call to check on pricing and availability.

Armor Tech Fungicide Performance Chart

The following chart allows you to compare the performance of the Armor Tech fungicides on key cool season turf grass diseases.

E– Excellent Control G– Good Control F- Fair Control NC– No Control

Armor Tech Fungicide	Dollar Spot	Leaf Spot	Anthracnose	Brown Patch	Summer Patch	Take All Patch	Pythium	Grey Leaf Spot	Snow Mold
CLT 825	E	F	F	E	NC	NC	NC	F	E
CLT 720	E	F	F	E	NC	NC	NC	F	E
DisArm 480 SL	F	F	E	E	E	E	F	E	F
IP 233	G	E	NC	F	F	NC	NC	F	E
PPZ 143	E	F	G	F	E	G	NC	E	G
TMI 20/20	E	E	G	E	G	F	NC	G	G
TM/C	E	G	G	E	F	F	NC	G	E
TM 462	G	G	E	E	F	NC	NC	F	G

Ratings are based on actual field performance

Control and results vary based on management program and environmental conditions

Insecticides

Restricted Use Pesticides require State Certification number prior to sale.

NOTE

If you are using Merit, MACH II, Dylox, take a close look at ARENA.

Arena 50 WDG

50% clothianidin
40 oz jug

ARENA™ Insecticide offers season-long control of white grubs plus chinch bugs, webworms and other damaging insect pests. ARENA is a new generation insecticide that works in two ways to protect turf. When applied before or during the egg-laying activity of target pests, its active ingredient (clothianidin) immediately impacts the insect. Then it keeps working systemically to provide long-lasting residual control.

Both long term preventative and curative

Use Rate: 8.0 oz / acre 40 oz container treats 5 acres

Arena .25 G

50# bag

Designed for smaller applications and those preferring granular products.

Use Rate: 100# / acre

Restricted Use Pesticide

Aloft SC GC

Provides total insect control of white grubs, early season adults and surface feeders.

2.22 lbs clothianidin 1.1 lbs bifenthrin per Gallon 64 oz / cs

Use Rate: .27 to .44 oz / 1000 sq ft

Restricted Use Pesticide

Menace

7.3% bifenthrin
1qt , 1 gl

An excellent insecticide for control of many surface feeding insects including cutworms, ants, billbugs, crickets and Japanese beetles.

Use Rate: 10 to 20 oz / acre

IMD 75 WSP



Imidicloprid is the longest lasting broad spectrum grub control product available. Controls larvae of black Turfgrass atenius, northern masked chafer and billbugs. Both preventative and curative.

75% imidicloprid

Use Rate: 6.4 oz / acre

4 x 4 x 1.6 oz case (4 acre) 48 x 4 x 1.6oz case (12 acre)

Talpirid

.025% bromethalin
20 worms / box

New chemistry and bait technique specifically designed for moles. TALPIRID's active ingredient capitalizes on a mole's physiology. In both field and laboratory tests, TALPIRID achieved outstanding acceptance and control. One worm contains a lethal dose and can kill in 24 hours.

Use Rate: 1 box will provide 2 typical applications.

Restricted Use Pesticide

Chlorpyrifos E Pro 2

24.66% chlorpyrifos
1 gl

For control of various pests in golf course turf and ornamental plants.

Use Rate: 1.5 - 3.0 oz / 1000

Pre Emerge Herbicides

AT CGC 40

40% dithiopyr

16x5 oz cases

Pre- and post-emergent crabgrass control and pre-emergent control of various grasses and broadleaf weeds including: Oxalis, foxtail, spurge, goose grass and crabgrass.

EC conversion: 1qt EC=1.5 pouches

Use Rate: 1.5 to 3.0 pouches / acre

Dimension EC

dithiopyr

2 x 2½ gl case

Pre- and post-emergent crabgrass control and pre-emergent control of various grasses and broadleaf weeds including: Oxalis, foxtail, spurge, goose grass and **crabgrass**.

Use Rate: 1-2 qts / acre

Prodiamine WDG

65% prodiamine

1 lb container

A long lasting pre emerge for the control of grassy weeds and small seeded broadleaves in established turfgrass (excluding golf course putting greens), lawns, and sod nurseries.

Use Rate: 1.0 to 1.5 lb / acre

Simazine 4L

simazine

2X2.5 gl case

A pre emergent for the control of annual bluegrass, crabgrass, foxtail, goose grass and chickweed. Labeled for ornamental plantings.

Use Rate: 2.0 to 4.0 qts / acre

Oryzalin Pro

41.0% oryzalin

2 x 2½ gl case

Pre emerge control of a broad spectrum of grasses and broadleaf weeds.

Use rate: 2 to 4 qts / acre

XL 2 G

1% benefin

1% oryzalin

A pre emerge for the control of broadleaf weeds and grasses in landscape ornamental, containers and ground cover.

Use Rate: 200 to 300 lb / acre

Tupersan 50 WP

50% siduron

4 lb bag

For selective pre emerge on crabgrass and other weeds. Can be used on newly seeded turf. Excellent for tees.

Use Rate: 4.0 to 12.0 lb / acre

Bensumec 4 LF

bensulide

2X2.5 gl case

Selective herbicide for pre-emergent control of crabgrass and annual bluegrass in turf (including golf course putting greens), ornamentals, and groundcovers.

Use Rate: 1.87 to 2.5 gal / acre

Post Emerge Herbicides

Corsair

chlorsulfuron
2.0 oz bottle

A selective post emerge for removing tall fescue from desirable turf.

Use Rate: 2.0 to 5.33 oz / acre

AT Quin Pro 75

75% quinclorac
6 x 1 lb bags

For control of broadleaf and certain grassy weeds in turf. Excellent on crabgrass that has germinated.

Use Rate: 1 lb / acre

Broadleaf Weed Herbicides

Confront

triclopyr , clopyralid
1 gl container

Excellent control of clover. Non-phenoxy formulation for tank mix uses.

Use Rate: 1.0 to 2.0 pints / acre

Millennium Ultra II

2,4-D, clopyralid, dicamba
2x2.5 gl case

Same Millennium Ultra formulation without the lawn care label.

Excellent control of many weeds including clover.

Use Rate: 1.5 to 3.0 pints / acre

Triplet

2,4-D, MCPP, Dicamba
2x2.5 gl case

Controls a wide spectrum of broadleaf weeds. Dandelions', chickweed, knotweed and spurge.

Use Rate: 1.5 to 2.0 qts / acre

Triplet Sensitive

2,4-D, MCPP, Dicamba
2.5 gl container

A mixture specifically designed for bent grass putting greens. Should be used with extreme care.

Use Rate: 1.5 to 2.0 qts / acre

QuickSilver

carfentrazone
8 oz bottle

Known best for its control of moss in putting greens. A contact herbicide with no residual. Rain fast in one hour. Tank mix with Trimec for control of additional weeds.

Use Rate: Moss - 6.7 oz / acre– repeat application in 2 weeks

Use Rate: Tank Mix– 1.0 to 1.5 oz with Trimec 992

Non Selective Herbicides

GlyStar 5 Extra

54.4% glyphosate
2 x 2½ gl case

All annual and perennial grasses and broadleaf weeds. Non-selective. Labeled for turf and ornamental use. A high load glyphosate with surfactants for increased savings.

Use rate is based on desired percent solution. See label for specifics.

Tordon RTU

5.4 % picloram
20.9% 2,4-D
1 qt

For control of unwanted trees via cut surface treatments forests and non-cropland areas such as fence rows, roadsides, and right-of-ways.

Use Rate: See label for specific use rates.

Plant Growth Regulators

AT PGR 113



A micro emulsion concentrate used to manage growth and improve quality and stress tolerance of turf grass.

11.3% trinexapac-ethyl 1 gal and 2.5 gal

Use rates: Greens 3 - 7 oz / acre Fairways 11 - 22 oz / acre

Cutdown

A systemic plant growth regulator that slows vegetative growth by inhibiting gibberellins biosynthesis for use on turfgrass and trees. Slows growth on turf in 3 - 10 days.

22.3 % paclobutrazol 1 gl container

Use rates: Greens 6.4 - 16 oz / acre Fairways 16 - 32 oz / acre

Ethephon 2S

Type II Growth regulator to slow the top growth of turf reducing the amount of clippings and frequency of mowing. Used to suppress poa annua and white clover seed heads.

21.7% ethephon 2 x 2½ gl case

Use rate: 5 fl oz / 1000

Wetting Agents

Wetting Agents make a significant difference in the moisture quality of the soil profile.

This in turn can have an integrated effect on the health of the soil life, improved oxygen and water movement and improved nutrient availability.

ProGro provides products that do the job effectively and economically.



Wetting Agent

100% Akyl Block Polymer

MATADOR is a non-ionic wetting agent, based on innovative block polymer technology designed to establish and maintain a consistent moisture level in the root zone. It increases the rate and depth of water penetration.

MATADOR works by breaking down the hydrophobic coatings found in certain soil profiles reducing water repellency. It balances the root zone moisture conditions which: Improves oxygen levels, increases microbial activity, improves plant stress tolerance, increases plant metabolism, increases overall plant health

MATADOR is safe to use on all types of turf throughout the growing season.

Use Rate: 6.0 oz / 1000 sq ft Repeat application in 14 days for season long control
2 x 2.5 gl case, 55 gl drum



Logix is a dual active wetting agent that reduces soil surface tension and increases water penetration. The activity of Logix can improve overall soil moisture content by overcoming hydrophobic tendencies of soils, especially those high in sand and organic matter content. The soil penetrant capabilities of Logix will move water from saturated soils improving the overall moisture and oxygen content.

Use Rate: 2.0 to 4.0 oz / 1000

2x2.5 gl case



Enliven turf tabs are a proprietary blend of polymeric surfactants, containing amino acids, and Mycorrhizae designed to increase water infiltration and while reducing turf stress caused by adverse environmental factors.

Use Rate: One tablet will cover approximately 18,000 to 24,000 square feet or turf. Severity of localized dry spot, water temperature, water pressure and application technique may cause coverage to vary.

20 tablet case

Sprayer Aides

Maintaining spray tank integrity can reduce the variables that impact pesticide performance. The following products can be easily implemented into your spray program.

Knockdown Defoamer

12 x 1 qt

Knockdown Defoamer Formulated to quickly de-foam spray solutions containing nonionic surfactants, silicone surfactants or crop oil concentrates.

Use Rate: 1—4 oz / 100 gallons of water

True Blue EZ SoluPak

Lake and Pond Dye
6—5.25 oz carton

TRUE BLUE LAKE AND POND DYE is a proprietary blend of environmentally friendly, nontoxic, water-soluble dyes formulated to reduce sunlight penetration and impart a natural blue color when applied to ponds, lakes and fountains.

TRUE BLUE EZ SoluPaks are protected by a unique, waterproof, foil-lined overpack to prevent accidental staining while handling.

Use Rate: Each TRUE BLUE EZ SoluPak will effectively treat 1 acre foot or approximately 325,000 gallons of water. Holding onto the foil-lined overpack, drop or throw TRUE BLUE EZ SoluPak into the body of water.

Signal Blue

12 x 1 qt



Signal Blue Concentrated spray pattern indicator formulated to provide temporary visual evidence of where a spray application has been made.

Use Rate: 16 – 32 fluid ounces per 100 gallons of spray solution. Application rate, nozzle type, turf color, turf height and individual water conditions may influence variations from the above rate.

InSide Out

Tank Cleaner

12 x 1 qt

InSide Out powerful, liquid spray tank cleaner formulated to emulsify and bond pesticide residues to the rinse water for complete purging.

Use rate: 1 qt per 100 gallon of rinse solution

ARGENT

Natural Based Buffer

ARGENT reduces the pH and hardness of alkaline water. ARGENT will reduce the effects of alkaline hydrolyses on insecticides, fungicides and herbicides. ARGENT is formulated with a citrus fragrance to act as a masking agent when spraying products that have an undesirable odor.

Use rate: 1 to 2 oz / 50 gallon of water

W.A.S.P

All Purpose Cleaner
4x1 gl

W.A.S.P—Washes All Surfaces Perfectly!

Highly effective concentrated cleaner designed to remove the toughest stains—including grease and oil.

Use on equipment, concrete surfaces, painted surfaces, siding and spray tanks.

SEED



ADVANCED ELITE BLUE BLEND

4 way blend of elite bluegrasses designed for disease resistance, color and adaptability to mowing height (.75"-3"). Best used in irrigated areas such as fairways, 1st cut roughs and residential lawns.

ADVANCED 80-20 MIX

4 elite bluegrass varieties with 1 excellent perennial ryegrass variety blended for disease resistance, color and overall appearance. Great for home lawn applications as well as irrigated fairways and roughs.

TURF BLUE ATHLETIC 50/50 MIX

50% elite Kentucky blue and 50% elite perennial rye. Great for athletic fields, golf course roughs, and fairways. Good fill-in from the blue's and ability to handle traffic and wear from the ryes. Excellent color and quick establishment.

ADVANCED SUNNY MIX

Quick establishing blue/rye mix with good color and overall appearance. Does well in sunny areas. Improved varieties offer fall recovery from summer stress.

ADVANCED LANDSCAPE MIX

Economical, quick establishing mix that does well in sun and moderate shade. All perennial varieties that provide good appearance under both irrigated and non- irrigated conditions

TURF STAR ELITE RYE BLEND

4 way blend of outstanding improved perennial ryegrasses. Fast establishment and excellent density along with tolerance of mowing heights as low as 3/8" make it ideal for golf course, fairways and tees.

ADVANCED TURF TYPE TALL FESCUE BLEND

Ideal for transition zone areas, home lawns along with lower maintenance athletic fields and non-irrigated roughs. Semi-dwarf varieties offer improved appearance as well as improved wear tolerance.

ADVANCED TURF TYPE TALL/BLUE MIX

90% tall fescue. Ideal for transition zone areas, home lawns along with lower maintenance athletic fields and non-irrigated roughs. Semi-dwarf varieties offer improved appearance as well as improved wear tolerance. Contains 10% improved Kentucky bluegrass for better fill-in.

SEED

TURFSAVER W/RTF

Improved varieties of turf type tall fescue, one of which is a patented [Rhizomatous Tall Fescue](#) for enhanced recover from disease, traffic or drought.

ADVANCED LINKS FESCUE BLEND

4 way mix of improved varieties of fine fescue. Excellent in areas allowed to grow upward, along with areas with no irrigation and moderate to low traffic, excellent appearance for low maintenance areas.

ADVANCED SHADE MIX

Improved varieties of chewing and creeping fine fescues blended with shade tolerant bluegrass and ryegrass for good appearance, density and survival under moderate to high shade conditions.

ADVANCED THERMAL TUFF MIX

90% improved tall fescues with 10% [Thermal Hybrid Bluegrass](#) for better recovery and ability to handle drought, heat and disease pressures.

ADVANCED THERMAL BLUE RYE MIX

Contains 30% [Thermal Hybrid Bluegrass](#) for significantly better drought, heat and wear tolerance than traditional blue rye mixes.

BENTGRASS SEED

Variety	Vendor	Package Size
Bengal/Memorial Blend	Barenburg	25# Pail
Bengal	Barenburg	25# Pail
Penncross	Cisco	25# Bag
Pennlinks	Cisco	25# Bag
Pennway	Cisco	25# Bag
Penntrio	Cisco	25# Bag
L-93	Cisco	25# Pail
Memorial	Landmark	25# Pail
A-4	Cisco	25# Pail



Turf Seed Mixes and Blends

Advanced Elite Blue Blend (3 lbs per/1000 sq ft)

25% Apollo Ky Bluegrass 25% Serene Ky Bluegrass
 25% Courtyard Ky Bluegrass 25% Goldrush Ky Bluegrass
50# bg

Turf Blue Athletic 50/50 Mix (4-5 lbs per/1000 sq ft)

30% Bariris Ky Bluegrass 30% Barlennium Per Ryegrass
 20% Baronie 20% Premier II Per Ryegrass
50# bg

Advanced Landscape Mix (5-6 lbs per/1000 sq ft)

30% Majesty Per Ryegrass 30% Divine Per Ryegrass
 20% 98/85 Per Ryegrass 20% Creeping Red Fescue
50# bg

Advanced TTT Fescue Blend (8-10 lbs per/1000 sq ft)

34% Barrington 33% Barlexas II
 33% Barrera
50# bg

Turfsaver w/RTF (7-8 lbs per/1000 sq ft)

40% Labarnith 30% Barlexas II
 Ryegrass
 30% Barrington
 Fescue
50# bg

Advanced Shade Mix (5-6 lbs per 1000/sq ft)

30% Badger Red Fescue 20% Nottingham Kentucky Bluegrass
 Fescue
 30% Shadow II Chewings Fescue 20% Inspire Perennial Ryegrass
 Hybrid Bluegrass
50# bg

Advanced 80-20 Mix (3-4 lbs per/1000 sq ft)

20% Courtyard Ky Bluegrass 20% Raven Ky Bluegrass
 20% Goldrush Ky Bluegrass 20% Inspire Per Ryegrass
 20% Apollo Ky Bluegrass
50# bg

Advanced Sunny Mix (5-6 lbs per/1000 sq ft)

35% Inspire Per Ryegrass 15% Raven Ky Bluegrass
 35% Pentium Per Ryegrass 15% Goldrush Ky Bluegrass
50# bg

*Turf Star Elite Rye Blend (6-7 lbs per/1000 sq ft)

35% Barlennium 30% Pinnacle II
 35% Premier II
50# bg

*(available with Apron Treatment)

Advanced Turf Type Tall/Blue Mix (8-10 lbs per 1000/sq ft)

30% Barrington 30% Barlexas II
 30% Barrera 10% Bariris Ky Bluegrass
50# bg

Advanced Links Fescue Blend (5-6 lbs per/1000 sq ft)

25% Berkshire Hard Fescue 25% Inspire Perennial
 25% Black Sheep Fescue 25% Badger Creeping Red
50# bg

Advanced Thermal Tuff Mix (7-8 lb per 1000 sq ft)

30% Coyote II Tall Fescue 30% Reserve Tall
 30% Greenkeeper Tall Fescue 10% Thermal Blue
50# bg

Advanced Thermal Blue/Rye Mix (4-5 lbs per/1000 sq ft)

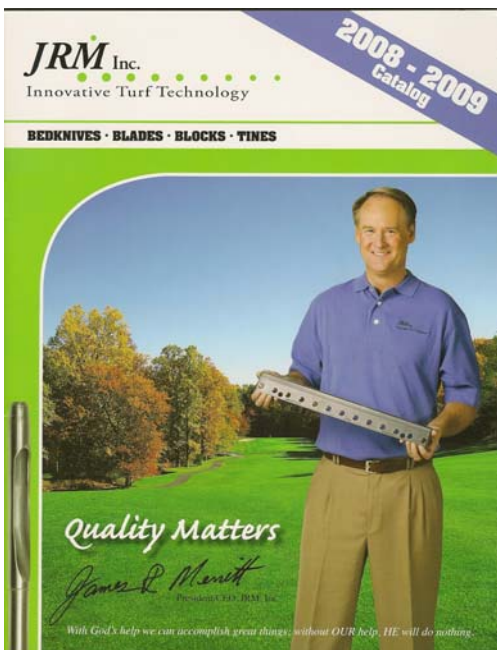
30% Thermal Hybrid Bluegrass 20% Inspire Perennial Ryegrass
 15% Apollo Kentucky Bluegrass 20% Pentium Perennial Ryegrass
 15% Raven Kentucky Bluegrass
50# bg

Bedknives & Tines

JRM Inc.

Innovative Turf Technology

ProGro in conjunction with **JRM Products** offers the highest in quality Bed knives and tines. The mission of **JRM** is to “provide the industry with the very finest products possible.” They “are committed to continually challenge the current technology and the quality of materials and design.” They “are committed to developing new and unique products that will improve the golf maintenance industry and make the task of maintaining and improving your golf course easier. When you use a JRM product we understand that you are placing great trust in us as well as our products.”



The JRM Warranty

JRM products are made of the very finest materials available and are warranted against any defect in manufacturing or materials. **JRM DILLENNIUM** top eject coring tines used on conventional aerification machines on golf course greens have a “use warranty” of a minimum of 18 greens or 130,000 Sw. Ft., whichever comes first. This revolutionary “use warranty” is only applicable for use on golf course greens (tees and fairways are not included). The **JRM** warranty does not protect against “chipping” or breakage. This “use warranty” does not extend to any “side-eject” tine due to the weaker wall structure, the Dillennium? “Quad” or “SuperQuad” tines due to their significantly thinner wall construction or any Deep Tine. The **JRM** “use warranty” only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded). “

To view our JRM catalog visit the web at
www.progro-solutions.com or www.jrmonline.com
Call your ProGro Agronomist to place an order.

GreensGroomer®

WORLDWIDE

The original Turf Grooming and conditioning brush for use on golf course greens, tee boxes, and fairways.

Simplify the topdressing process!



- The **GreensGroomer** moves topdressings three ways for every three feet of forward motion.
- Will not damage, scuff, or bruise greens.
- Fills aerification holes quickly. It puts the topdressing where you want it.
- Never have to add weights. It is perfectly balanced for smooth brushing -- no hopping.
- Reduce cutter reel maintenance -- sand is worked down into grass away from mower bed knife.
- Synthetic brushes resist wear from use and are not damaged by exposure to moisture.
- No more waiting for topdressing to dry. It effectively spreads both wet and dry sand.
- User Friendly -- no lifting to operate with the electric lift kit. Raise and lower the unit without leaving the seat of the tow vehicle.
- Powder coat finish in either **Red** or **Green** to match other equipment.
- Triple Head **GreensGroomer**-- Three separate **GreensGroomers** are gang hitched together for an effective brush width of 17 ft. Two minute setup and breakdown time.
- Optional adjustable draw bar. Two position that allows for towing the **GreensGroomer** directly behind drop spreader for single pass operation.
- The **GreensGroomer** is a proven tool that will immediately produce top results and improve your greens. Anyone on your staff can operate it.



Call For Demo!



**Gently aerate turf on greens, tees, and fairways.
Great For Summer Stress Relief!**

- **TS-48 Turf Slicer** designed and tested for use on greens, tees, and fairways for over seeding, opening localized dry spots, and aeration.
- Addition of weight is easy with water holding tanks. Gallon scale on the side of the tanks for accuracy. Increase weight up to 400 lbs.
- Strictly tow behind unit. No hydraulics, PTO, or separate power source required.
- Electric Actuator allows operator to raise and lower the **TS-48** from the seat of the tow vehicle.

Call For Demo!

Soil / Tissue Testing Analytical Services



With over 25 years of experience in agronomy and chemistry targeted at high value crops and turf, ProGro has the capability to provide analysis covering any agronomic condition.

Logan Labs of Russell Point , Ohio is the independent laboratory that we utilize.

We perform a wide range of analytical service including:

- **Standard Soil Test**
- **Saturated Paste Extract Soil Test**
- **Plant Tissue Testing**
- **Irrigation Water Analysis**

We utilize the results and will confer with you on your specific requirements to meet your production objectives.

Contact us to discuss your specific needs.



Leibold Irrigation, Inc.

Knowledge, commitment to excellence, professionalism...this is the foundation of Leibold Irrigation.

What began as a two-man operation in 1987 has now escalated to 100+ employees with offices in East Dubuque, Illinois; Toledo, Ohio; and Sarasota, Florida. John Leibold, president and owner of Leibold Irrigation, along with the dedication of his employees, have consistently raised the standards by which irrigation systems are installed.

Renowned for our work ethics, Leibold Irrigation is becoming a prominent leader in golf course construction capable of Constructing golf courses and athletic fields, installing automated irrigation systems and performing maintenance / service on irrigation systems and pump stations.

Having the capability of being diverse in our industry, allows us the opportunity to embrace the project from its inception through the completion of the project.



Irrigation Service Department

New or existing, irrigation systems require proper maintenance to operate dependably and efficiently year after year. With over 70 years of combined experience, our trained technicians will provide you with reliable service you have come to know and expect. Our technicians are trained to diagnose and repair all components of an automatic irrigation system. Following is an abridged list of the services we provide:

**Electronic Diagnosis * Pump Stations * Weather Stations * Spring Start Up *
Irrigation System Audit * Add/Relocate Sprinklers and Satellites * Winterization *
Biological Wash Stations**

**Contact: Jim Boyer
18950 County Hwy 5 West East Dubuque, IL 815.747.6024**

Notes