

GRO-GARD™ PUTS NUTRIENTS INTO ACTION.



Shaw's **Gro-Gard™** is the fast-acting dependable way to keep your course healthy, lush, and green –

all season long. **Gro-Gard** is a proprietary blend of amino acids and co-factors that help to regulate nutrient movement between plant cells. With greater nutrient availability, turf can achieve its full genetic potential for growth and vigor.

Our core technology is a patented ingredient that includes a naturally occurring amino acid– GABA (gamma aminobutyric acid)– to enhance turf health and growth. GABA is a non-protein amino acid found in all living organisms. It's an important precursor, which helps to regulate mineral availability in plants. Minerals support the biochemical

pathways governing growth and reproduction, as well as the pathways that direct a plant's response to a variety of biotic and abiotic stresses.

Mineral needs are particularly high during times of stress and at certain stages of plant growth, and GABA levels in plants increase naturally at these times. But Shaw's **Gro-Gard** enhances growth and disease resistance by increasing nutrient levels further. Tissue analysis shows enhanced nutrient content of the treated plant, especially when Gro-Gard is applied in combination with foliar micronutrients.

It also protects against abiotic stresses, including freezing and high temperatures and salt stress and drought.

GABA IS THE KEY TO PERFORMANCE.

- Key intermediate for amino acid synthesis.
- Enhances nutrient uptake and mineral utilization.
- Increased chlorophyll and greater plant growth efficiency.
- Provides plant protecting amino acids such as proline and arginine.
- Triggers stress related proteins, activates natural disease and insect resistance and enhances plant growth and development.

Gro-Gard™ activates a strong defense against disease.

Gro-Gard activates a plant's natural defense mechanisms, giving plants a more robust response to attacks by pathogens and pests. The active ingredient has been proven effective as part of disease management programs on turf and a wide variety of field crops. It activates the plant's natural defense mechanisms by induced resistance or "systemic acquired resistance" (SAR). So plants have a more robust response to pathogen attacks. And since disease suppression occurs through the plants own defense metabolism, pathogens will not become resistant to Gro-Gard as they may to pesticides. Gro-Gard gives you another tool for disease management and a greater level of control with conventional pesticides under high disease pressure conditions.

Your best management practices become more effective.

You can use Gro-Gard alone, or with a fertilizer. For the richest, greenest turf, ask for Gro-Gard formulated with a fertilizer. For trouble spots, simply apply Gro-Gard directly every few weeks during the growing season for enhanced vigor.

Proper application timing is a key factor to the successful use of Gro-Gard.

Gro-Gard may be tank mixed with other products. Numerous trials have successfully used Gro-Gard in combination with fungicides, insecticides and foliar micronutrients. To maximize the benefits of Gro-Gard application, follow all label instructions with emphasis on the following:

- Use proper application timing.
- Apply Gro-Gard with a silicone-based surfactant unless tank-mix products or the likelihood of crop injury prohibits such use.
- The pH of the application solution should be near neutral or slightly acidic (pH 6 to 7.5).

Turf is protected from stress during the busiest season.

Gro-Gard makes grass stronger, plant by plant. So your turf looks its best all season long. Gro-Gard will:

1) Enhance overall turf quality above your current best management practices.

2) Enhance a plant's natural immune system to help protect against disease, or add another level of protection to your current disease and pest program.

Gro-Gard is safe for you, safe for your turf, and safe for the environment.

Gro-Gard contains 33.3% by weight, pharmaceutical grade gamma aminobutyric acid (GABA) and 33.3% by weight L-glutamic acid. These compounds are chemically and biologically identical to those that are naturally produced in all plants and animals. The Food and Drug Administration has listed GABA and glutamic acid as a GRAS (generally recognized as safe) food substance, when used as food additives.

Tests on birds, honeybees, and fish have exhibited no toxic effects. No restrictive-use labeling is necessary to protect non-target organisms and sensitive habitats.

Gro-Gard presents no threat of contamination or accumulation in the environment because microorganisms on leaf surfaces and in the soil degrade Gro-Gard quickly and naturally.

Gro-Gard is stable, with on-going studies now demonstrating a shelf life in excess of two years under normal storage conditions. It's compatible with pesticides, fertilizers, and other agricultural materials and can be tank-mixed for convenient application.

Discover the future of successful turf management.

Every day, more and more turf management professionals are discovering Gro-Gard. And at the end of each new season, more and more pros are glad they did.



Ask your Shaw's representative for complete information about Gro-Gard.

Knox Fertilizer Company • P.O. Box 248 • Knox, IN 46534
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GO FOR THE
GREEN
WITH NEW GRO-GARD.™



Shaw's **Gro-Gard**™ is the new all-natural way to grow great greens and fairways. **Gro-Gard** is a proprietary blend of two bio-active amino acids and co-factors; it activates key amino acids that help regulate nutrient movement between plant cells. And with greater nutrient availability, plants can achieve their full genetic potential for growth and vigor. **Gro-Gard** is the fast acting dependable way to keep your course healthy, lush, and green—all season long.



GRO-GARD MAKES GRASS STRONGER, PLANT BY PLANT.

Protect your turf from stress during the busiest season.

Just when the golf season is at its peak, your turf is often at its worst: stressed from heat and the effects of drought. Gro-Gard protects your turf, optimizes nutrient uptake and movement within plants, and enhances overall plant vigor and health. So your turf looks its best all season long. And you'll have the kind of course that players love to play.

Gro-Gard builds turf four ways:

- Earlier seed germination
- Enhance nutrient uptake
- Enhance root growth
- Enhanced color

Gro-Gard is the cost effective way to manage turf.

Add up the costs for turf management products and labor. You'll see why Shaw's Gro-Gard delivers the results you want—quickly, easily, and cost-effectively.

It's easy to protect turf with Gro-Gard.

You can use Gro-Gard alone, or with a fertilizer. For the richest, greenest turf, ask for Gro-Gard

formulated with a fertilizer. For trouble spots, simply apply Gro-Gard directly every few weeks during the growing season for enhanced vigor.

Caring for turf is a Shaw's family tradition.

Since 1950, the Shaw family has been recognized for quality lawn and professional turf care products. Today, the third generation of the family is prepared to meet the challenges of the 21st century in environmental stewardship, quality packaging, and structural management programs.

Our main facilities are in northwest Indiana, near Chicago. Being on the outskirts of this world trade center, we're ideally positioned to buy high-quality ingredients at low cost and manufacture and ship products that provide the utmost in value for our customers.

We're proud of our past. Today, we're poised for the future, and ready to help you grow your best.

Ask your Shaw's representative for complete information about Gro-Gard.

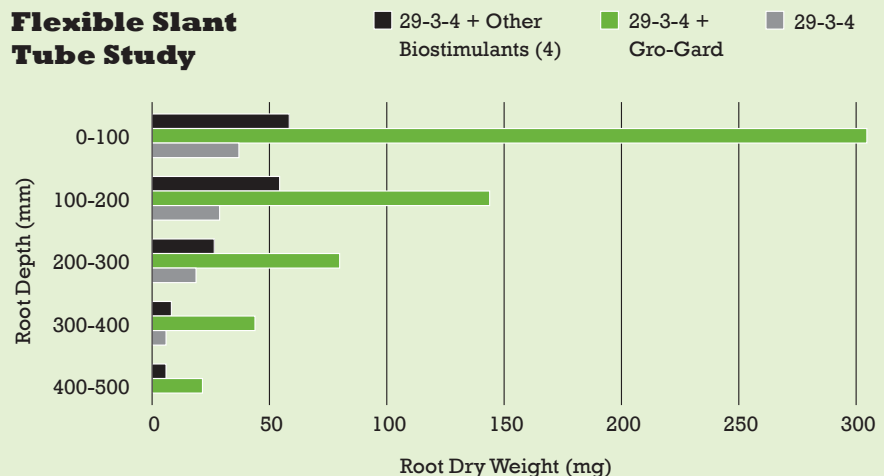
ROOTS GROW STRONG AND DEEP WITH GRO-GARD.



29-3-4 Only

29-3-4 + Gro-Gard

Flexible Slant Tube Study



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