

### Help turf stand up to the heat...

During periods of heat, drought and other environmental stress, turfgrass often lacks the energy needed to protect itself, becoming wilted, discolored, and prematurely senescent.

Because turf is often unable to synthesize enough stress-mediating compounds like amino acids and antioxidants when under severe stress, feeding these components to the plant with **Proactin<sup>EX</sup>** can help it look good... even when conditions are not.

### Three-part approach

**Proactin<sup>EX</sup>** is a highly concentrated blend of

- L-form amino acids
- B-complex vitamins and antioxidants
- **Express Technology** – a blend of stress metabolites and biostimulants

that supplies critical nutrients directly to the plant. This allows turf to bypass the energy-consuming process of synthesizing these compounds while redirecting its energy to other important functions, like staying green and playable.

Turf treated with **Proactin<sup>EX</sup>** has been found to better withstand stressful periods of heat, drought, and high salinity, while producing a more even level of growth and color throughout the growing seasons.

### Benefits of Proactin<sup>EX</sup>

- Strengthens plants to withstand adverse soil and environmental conditions
- Improves chelation, translocation, and use of plant nutrients to increase fertilizer efficacy and improve plant vigor
- Extends the even growth and color of turf throughout the season (without urea or iron)
- Increases efficiency of post-emergent herbicides

### Product Features

- Fully concentrated — cost effective
- Contains a pre-selected panel of vegetable-based, L-form amino acids
- Features a vitamin premix, profiled to strengthen plant development
- Enhanced with **Express Technology**, a patented formulation using SAR compounds and a transcuticular nutrient delivery system to improve uptake and nutrient mobility
- Stand-alone product, easily added to turf nutritional programs



# Proactin<sup>EX</sup>

Express Technology

From the makers of TriCure Soil Surfactants

# Proactin<sup>EX</sup> with Express Technology

## What to expect from Proactin<sup>EX</sup>

With use of **Proactin<sup>EX</sup>**, benefits are realized both in what is seen and what isn't seen.

**Proactin<sup>EX</sup>** aids in maintaining better turf color and vibrancy throughout the growing season, and especially during periods of heat, drought, and high salinity. Problems such as senescence, growth decline, and yellowing of turf may be less evident.

For maximum effectiveness, **Proactin<sup>EX</sup>** should be applied as a preventative, ensuring turf has been adequately preconditioned prior to the onset of environmental stress.

**Proactin<sup>EX</sup>  
Promotes**

- Better tolerance of environmental stresses
- Quicker recovery after stressful conditions subside
- Less turf yellowing — better maintenance of green color
- Less senescence, or thinning of the turf

## Fully Concentrated • Cost Effective

**Flexible  
Use**



**Proactin<sup>EX</sup>** offers a new approach to the use of amino acids, vitamins, and biostimulants for improving turf conditions. Unlike pre-mixed, highly diluted products commonly sold for greens programs, **Proactin<sup>EX</sup>** is highly concentrated and affordable for use on large turf areas such as fairways and roughs. It can be used as a stand-alone product or in combination with customized turf nutritional programs.

The components in **Proactin<sup>EX</sup>** have been extensively researched, allowing for the identification and selection of only the most effective, biologically active ingredients.

## Application Considerations

**Proactin<sup>EX</sup>** is suitable for application on all cool or warm season turfgrass, as well as ornamentals, trees, and shrubs. Fully tank mix compatible, **Proactin<sup>EX</sup>** can be applied via spray equipment or through injection.<sup>1</sup>

	Rate/Acre	Application Schedule
Preconditioning prior to onset of environmental stress	16-24 oz. per month <sup>2</sup>	Begin applications at least one month prior to expected onset of environmental stress.
During environmentally stressful conditions	24-32 oz. per month <sup>2</sup>	Continue applications for the duration of the stressful conditions and for at least one month after they subside to promote turf recovery.
New seeding/overseeding <sup>3</sup>	16-32 oz.	Application can be made prior to seeding or after seeding.
Sodding <sup>3</sup>	16-32 oz.	Pretreat sod prior to cutting to minimize transportation stress. Apply to newly laid sod to minimize transplant stress.

<sup>1</sup> Proactin<sup>EX</sup> can be readily taken up by both the foliage and by the roots. Water volume required for application is flexible and can be chosen to fit other turfgrass management goals.

<sup>2</sup> Monthly rates can be split into weekly or biweekly intervals.

<sup>3</sup> It is recommended that applications be continued once turf is established.

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