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# ASTRON

## STRESS MANAGEMENT

*Astron* is a proprietary blend of secondary and micronutrients designed for use on intensively managed turfgrass. *Astron* contains ascophyllum nodosum and terpenoids derived from natural fermentation processes.

Specific benefits include:

- **Enhanced Root Systems**
- **Increased Cell Division**
- **Stress Tolerance and Recovery**
- **Respiration Assistance**
- **Moisture and Nutrient Utilization**

Field and university proven over the last 15 years, *Astron's* 20+ ingredients are designed to sustain strength, health, and stress resistance in turfgrass.

“Greens have never looked better. Since using *Astron*, I have more roots than I have ever had.”

- Euan McKenzie



[www.floratine.com](http://www.floratine.com)

root driver

## TECHNICAL INFORMATION

**CALCIUM** - Critical in cell division and integrity and respiration activity.

**MAGNESIUM** - Required for chlorophyll and amino acid production.

**BORON** - Necessary for cell division, shoot and root growth.

**COPPER** - Essential to photosynthesis.

**IRON** - Necessary for chlorophyll formation and nitrogen utilization.

**ZINC** - Catalyst for plant enzymes, calcium translocation, and reducing temperature stress.

**AMINO ACIDS** - Specific translocation agents.

**ANTIOXIDANTS** - Required to reduce free radical tissue damage.

**ORGANIC EXTRACTS** - Key to cell division and root growth.

### NUTRIENT CONTENT

Calcium (Ca) . . . . .	3.00%
Magnesium (Mg) . . . . .	0.75%
Boron (B) . . . . .	0.06%
Copper (Cu) . . . . .	0.15%
Iron (Fe) . . . . .	2.00%
Zinc (Zn) . . . . .	0.335%

Derived from calcium gluconate, magnesium sulfate, boric acid, copper sulfate, ferrous sulfate, and zinc sulfate.

Buffers, Couplers, Stabilizers, Polymeric Polyhydroxy Acid . . . . . 5.24%

Net Weight: 9.81 lb/gal  
1.176 kg/L

## PROFESSIONAL USE GUIDELINES

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**APPLICATION:** Apply with any equipment that delivers a fine even spray mist to the target area utilizing 02-04 tips for a total spray volume of 20-40 gpa (200-350 L/ha). Do not water in. Wait at least 2 hours to irrigate.

### RATE OF APPLICATION:

**Cool Season Grass:** Apply at any time during the growing season. Regular applications on a 10-14 day schedule may help to improve the respiration rate of the grass during hot humid weather. Strategic applications are useful to increase turf density without initiating excessive top growth. Apply at the rate of 1-3 fl oz / 1000 sq ft (5-10 L/ha) throughout the growing season.

**Warm Season Grass:** Apply at any time during the growing season. Make 4-5 applications on a 7-10 day schedule in early fall before dormancy. Spring application should be made after dormancy break. Apply at the rate of 1-3 fl oz / 1000 sq ft (5-10 L/ha) throughout the growing season.

**COMPATIBILITY:** *Astron* is tank mix compatible with many systemic fungicides, insecticides, and nutrient solutions. Do not mix with *Per "4" Max*. Jar test when in doubt. *Astron* contains a very high solids content and therefore needs to be shaken intensely to ensure a homogeneous mixture. For best mixing results, remove tank strainer prior to product addition.



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