



# TURFPLEX® IV

Macronutrient

## Guaranteed Analysis

### 20-2-3

Total Nitrogen (N).....	20.00%
5.00% Ammoniacal Nitrogen	
4.00% Nitrate Nitrogen	
11.00% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2.00%
Soluble Potash (K <sub>2</sub> O) .....	3.00%
Sulfur (S) (Combined) .....	1.00%
1.00% Combined Sulfur (S)	
Iron (Fe) .....	0.10%
0.10% Chelated Iron	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese	
Zinc (Zn) .....	0.05%
0.05% Chelate Zinc	

#### Derived From:

Urea, Ammonium Nitrate, Ammonium Polyphosphate, Ammonium Sulfate, Phosphoric Acid, Potassium Hydroxide, Iron HEDTA, Manganese EDTA, and Zinc EDTA. (Chelating agents are Hydroxyethylenediaminetriacetate and Ethylenediaminetetraacetate).

#### Additional Contents:

Micro Carbon Technology®\*

#### Physical Properties:

Form: Liquid  
 Appearance: Clear to hazy, light green to amber, having a slight characteristic odor.  
 Weight: 10.68 lb/gal, 1.20 kg/L  
 pH: 4.5–5.5

#### Caution:

**Keep out of reach of children.  
 Harmful if swallowed.**

#### Storage and Disposal:

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

#### Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, turf conditions, and other factors are beyond the control of the seller.

## Promotes and Sustains Healthy, Green Growth

HUMA GRO® TURF TURFPLEX® IV is a well-rounded formulation of complexed macro- and micronutrients designed to promote lush, green growth in turf grass. Micro Carbon Technology®\* is included to increase the availability and uptake of nutrients, producing a more vigorous turf.

#### Benefits of Use:

- More consistent and sustained turf color and texture
- Increased stress tolerance
- More efficient nutrient uptake without leaf burn
- Better stimulation of root growth in seedlings and transplants

#### Deficiency Symptoms—When to Apply:

- Plant stress caused by nutrient deficiencies, insects, disease, weather, chemicals, or mechanical damage
- Leaf symptoms: Yellow-to-brown leaf edge, pale green leaves, leaf tips dying
- Root symptoms: Shallow rooting

#### Application Instructions:

SHAKE WELL BEFORE USING. Designed to be soil and/or foliar applied. Contents are highly concentrated and must be diluted with water in a ratio of at least 20 parts water to 1 part product prior to foliar application. Best results will be obtained when application is concentrated in the active root zone or on the leaf surface. Apply foliar sprays with sufficient water to ensure uniform coverage without running off leaf surfaces. TURFPLEX® IV can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar-test a small quantity. Applications can be made as often as every 7 to 10 days as needed.

For best results, mix with 1–2 ounces of MULTI-PURPOSE™ per 1,000 square feet (35–70 mL/100 m<sup>2</sup>). See table below for specific rate instructions.

METHOD OF APPLICATION	Rate per 1,000 ft <sup>2</sup> , 100 m <sup>2</sup>	Rate per Acre, Hectare
Foliar broadcast spray or fertigated through sprinkler system	Up to 3 oz/1000 ft <sup>2</sup> , 105 mL/100 m <sup>2</sup>	Up to 1 gal/ac, 10 L/ha
Soil broadcast spray incorporated	Up to 9 oz/ 1000 ft <sup>2</sup> , 315 mL/100 m <sup>2</sup>	Up to 3 gal/ac, 30 L/ha



Powered by  
**MICRO CARBON  
 TECHNOLOGY**

*\*This Product Contains Micro Carbon Technology®, a proprietary blend of very small organic molecules that allows for more effective absorption of nutrients by plants.*

