

# Bulldog Turf Water Soluble Fertilizer

# 21-7-7

## High Acid Special

### PRODUCT DESCRIPTION:

A superb fertilizer for greens, tees, and fairways. Can be used for both soil and foliar feeding. Its low pH contributes to efficient nutrient uptake from the soil.

### GUARANTEED ANALYSIS:

Total Nitrogen (N) .....	21%
11% Ammoniacal Nitrogen	
10% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	7%
Soluble Potash (K <sub>2</sub> O) .....	7%
Magnesium (Mg).....	0.69%
0.69% Water Soluble Magnesium (Mg)	
Sulfur (S) Combined.....	14%
Boron (B).....	0.02%
Copper (Cu).....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe) .....	0.1%
0.1% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo) .....	0.001%
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc	

### DERIVED FROM:

Ammonium Sulfate, Ammonium Phosphate, Magnesium Sulfate (Anhydrous), Potassium Sulfate, Urea, Iron EDDHA, Iron EDTA, Manganese EDTA, Copper EDTA, Zinc EDTA, Sodium Molybdate. F1367.

**POTENTIAL ACIDITY:** 1555 lbs calcium carbonate equivalent per ton.

**SOLUBILITY (max.):** 3.5 lbs per gallon.  
Hot water and agitation improve solubility.

### USE SUGGESTIONS:

Bulldog Turf Water Soluble Fertilizers are concentrated dry fertilizers which must be dissolved in water to prepare for application. Once Bulldog is in solution it is immediately available to the turfgrass. Bulldog fertilizers obtain best results with a Pulse Feeding program which is comprised of measured and frequent applications (or pulses) which will promote uniform and consistent growth by providing optimum nutrition over the growing season. The Pulse Feeding method is superior to single heavy fertilization applications because Pulse Feeding provides a more constant and uniform level of available plant nutrients at the desired levels.

Pulse Feeding: Use 1/8 to 1/4 lb. of nitrogen (N) per 1000 square feet every week to ten days or as needed. Rate and amount of water needed will depend on soil moisture levels, turf species and weather conditions. Avoid spraying during hot, bright light conditions or when turf is drought stressed.

Lbs N / 1000 Ft <sup>2</sup>	1/8	1/4	1/2	1
Ounces / 1000 Ft <sup>2</sup>	10	20	40	80

- Turf and Fairways - Apply once a week for maximum growth or once a month to maintain fertility.
- Greens and Tees - Apply once a week.

### Sprayer Application:

- Sprayer application is normally 1 pound of product in 5 to 20 gallons of water.
- Concentrated Sprayer Solution: This formula may be applied in a concentrated solution of 1 pound of product to 2 or 3 gallons of water, with thorough irrigation immediately after application to rinse off leaf surface. Fertilizer burn and turf damage may occur if concentrated fertilizer solutions are left on the leaf surface too long.

Fertigation is the injection of a fertilizer solution through the irrigation system which will provide nutrients during the irrigation cycle. Use maximum of two pounds of product per gallon of stock solution. The recommended feeding rate is 200 to 400 ppm (N) nitrogen, depending on desired response. Adjust nitrogen ppm levels accordingly.

<b>ppm N</b>	100	200	300	400
<b>EC(mS/cm)</b>	0.55	1.10	1.65	2.20

Soil Testing: A complete soil analysis will indicate any potential problem areas such as pH, or a deficiency or excess of specific nutrients. Bulldog Turf Water Soluble Fertilizers are formulated to cover a broad range of soil conditions and the nutritional needs of most commonly used turfgrasses. However, abnormal soil conditions often need corrective action such as liming, etc. to insure maximum benefit from the fertilizer program.

Compatibility: When using with other products such as herbicides and pesticides in same tank always perform a "jar" test in advance of making tank mix by making a small batch of materials to be used in a small clear container and observe for formation of any material that could clog screens or spray nozzles.



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