



# 7-0-7

## 20% Sulfur, .1% Magnesium, .2% Manganese, .1% Boron

### Guaranteed Analysis

Total Nitrogen (N).....	7.00%
7% Ammoniacal Nitrogen	
Soluble Potash (K <sup>2</sup> O).....	7.00%
Magnesium (Mg) .....	0.10%
0.10% Chelated Magnesium(Mg)	
Sulfur (S) .....	20.00%
Boron (B) .....	0.10%
Manganese (Mn) .....	0.20%
0.20% Chelated Manganese (Mn)	

**Derived from**

**Ammonium Thiosulfate, Potassium Thiosulfate, Magnesium EDTA, Manganese EDTA, Solubor**

7-0-7, 20% S, .1% Mg, .2% Mn, .1% B is a balanced nitrogen to potassium formula with a high amount of sulfur. The sulfur is largely in the thiosulfate form that acts as a "time released" sulfur over a 1 to 3 week period. This is ideal for sand-based soils in which sulfur tends to leach. In addition, the thiosulfate form of sulfur tends to reduce nitrogen volatilization which, in turn, increases the availability of nitrogen to the plant.

Sulfur, as it oxidizes in the soil, will convert to sulfuric acid which will aid in slight soil acidification in the root zone. Sulfur activates certain enzyme systems and improves the availability of many micronutrients.

The nitrogen in the 7-0-7, 20% S, .1% Mg, .2% Mn, .1% B is in the ammoniacal form. This means that this form of nitrogen is plant available in very cool temperatures and throughout the growing season. In addition, the ammoniacal form provides acidification around the roots. As the plant roots take in the ammonium (NH<sup>4+</sup>) nitrogen, the roots excrete additional hydrogen (H<sup>+</sup>) back into the soil which, in turn, lowers the pH around the plant's roots. The lowering of the pH may make certain nutrients more available for plant uptake.

- Weight per gallon 11.11 lbs. (5.35kg)
- Each gallon contains
  - .78 lb Nitrogen
  - .78 lb Potassium
  - 2.22 lb Sulfur
  - .01 lb Magnesium
  - .01 lb Boron
  - .02 lb Manganese
- pH 6.0

**Directions for Use:**

**Greens, Tees & Fine Turf:** Apply 5.0 - 17.0 oz. of 7-0-7, 20% S, .1% Mg, .2% Mn, .1% B with 1.5 - 2 gallons of water per 1,000 sq. ft. (1.7 - 5.8 gallons of 7-0-7, 20% S, .1% Mg, .2% Mn, .1% B with 66 - 88 gallons of water per Acre) every 10 - 14 days throughout the growing season anytime additional nitrogen, potassium and sulfur are required. This application shall provide 0.03 - 0.10 lb. of actual Nitrogen per 1,000 sq. ft.

**Fairways, Roughs, Sports Turf & Lawns:** Apply 3.4 - 5.8 gallons of 7-0-7, 20% S, .1% Mg, .2% Mn, .1% B with 44 - 88 gallons of water per Acre (10.0 - 17.0 oz. of 7-0-7, 20% S, .1% Mg, .2% Mn, .1% B with 1 - 2 gallons of water per 1,000 sq. ft.) once or twice per month throughout the growing season. This application shall provide 0.06 - 0.10 lb. of actual Nitrogen per 1,000 sq. ft.

### Application Rates for 7-0-7 20% Sulfur

Fluid Oz/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 100 M <sup>2</sup>	L/HA Litre/ Hectare	Nitrogen/ 1,000 sq. ft.	Potassium/ 1,000 sq. ft.	Magnesium/ 1,000 sq. ft.	Sulfur/ 1,000 sq. ft.	Boron/ 1,000 sq. ft.	Manganese/ 1,000 sq. ft.
5.0	1.7	159	16	0.03	0.03	0.0004	0.087	0.0004	0.0004
10.0	3.4	318	32	0.06	0.06	0.0009	0.174	0.0009	0.0009
12.0	4.1	382	40	0.07	0.07	0.0010	0.208	0.0010	0.0010
17.0	5.8	541	54	0.10	0.10	0.0015	0.295	0.0015	0.0015

**Available Container Sizes:**

- 2 x 2.5 gal (2 x 9.46 L) Case
- 30 gal (113.56 L) Drum
- 55 gal (208.20 L) Drum
- 275 gal (1040.99 L) Tote

Store above 32° F. Do not allow to freeze.

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