



BIOTIC
8-4-5 SGN 100

Perfect Blend Fertilizer with 14 Essential Elements

Perfect Blend 8-4-5 is designed, when applied correctly, to meet your fertilizer needs.

Proprietary Process!

Perfect Blend fertilizers are made using a proprietary process that produces a high quality nutrition to soil microbes that are responsible for breaking down minerals for plants while helping to maintain a balanced pH in your soil.

Mycorrhizal Spore Inoculants

Mycorrhizal fungi are not hazardous to humans and provide great benefits to most turf grasses, plant, shrubs, and trees. Perfect Blend fertilizer is inoculated with a blend of three dormant mycorrhizal spore species, *Glomus intraradices*, *G. aggregatum* and *G. mosseae* at approximately 2.58 propagules per gram total. 100% mycorrhizal strength guaranteed for two years after bag crimp date if product is kept in a dry location at less than 110° F. Fertilizer nutrient values expire after seven years.

APPLICATION DIRECTIONS

Established Turfgrass: Apply as a top dressing for fairways, rough, lawns, greens, landscapes, or on any established grass. Apply 6.25 lbs to 12.5 lbs per 1,000 square feet for application of .5 lb. to 1 lb. of actual nitrogen per 1,000 square feet. The maximum value of these fertilizers is obtained when applied during aeration.

Ornamentals and Flower Beds: Apply 1 lb. (Approximately 2 cups) per 25 sq ft. Work into the soil prior to placing flowers or ornamentals. Repeat application when buds bloom and in the late fall before first frost.

Starter or Grow-Ins: Apply 12.5 lbs of fertilizer per 1,000 sq. ft. for 1 lb. of nitrogen. Till or rake into the top 2"-4" after surface spreading.

Bulk Applications: Apply 625 lbs of fertilizer for each 50 lbs. of nitrogen required. Apply 1,250 lbs. of fertilizer for each 100 lbs. of nitrogen required. Apply 2,500 lbs. of fertilizer for every 200 lbs. of nitrogen required.

SPREADER SETTINGS					
	1/2 LB N	1 LB. N		1/2 LB N	1 LB N
LELY	5-25'	8'-25'	SCOTTS 2000	P/Q	W
LESCO	K/L	0	SCOTTS R8	N/O	U
PRIZELAWN	N	R	VICON	35-25'	48-25'

Guaranteed Analysis

Total Nitrogen (N)	8.00%
1.76% Ammoniacal Nitrogen	
0.04% Nitrate Nitrogen	
3.20% Water Soluble Nitrogen	
3.00% Water Insoluble Nitrogen*	
Available Phosphate (P₂O₅)	4.00%
Soluble Potash (K₂O)	5.00%
Calcium (Ca)	7.0000%
Magnesium (Mg)	0.7000%
0.70% Water Soluble Magnesium (Mg)	
Sulfur (S)	3.0000%
3.00% Combined Sulfur (S)	
Boron (B)	0.0200%
Cobalt (Co)	0.0005%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
0.10% Water Soluble Iron (Fe)	
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0005%
Sodium (Na)	0.1000%
Zinc (Zn)	0.0500%

Derived From:

Chicken Manure, Urea, Anhydrous Ammonia, Cobalt Sulfate, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Molybdenum Oxide, Sulfate of Potash, Potassium Chloride, Sulfuric Acid, Boric Acid and Zinc Sulfate.

* Slow Release Nitrogen from Chicken Manure

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Mycorrhizal spore species:

Glomus intraradices 0.86 propagules per gram
Glomus aggregatum 0.86 propagules per gram
Glomus mosseae 0.86 propagules per gram

Chlorine (Cl) not more than0.1000%

F1542

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

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MADE IN USA

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Net Weight 50 lbs. (22.67kg)