BIOTIC ORGANIC

4-4-4 A

Complies With NOP Requirements

Perfect Blend Biotic Organic 4-4-4 *AZOMITE®* is designed, when applied correctly, to meet your fertilizer needs for 100% NOP Certified Organic Crops.

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 is a valuable beneficial fungus, not hazardous to humans, that is of great benefit 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 110º F. Fertilizer nutrient values expire after seven years.

APPLICATION DIRECTION:

Small Garden - Vegetables: Apply 2 lbs. along the bottom of a 24 foot section of the seed furrow, then cover the fertilizer with a thin layer of soil. Place your seeds on this soil layer, then cover the seeds with an additional layer of soil to the depth recommended on the seed package. For hill plants such as squash and potatoes place one cup in the bottom and sides of the planting hole, followed by a layer of soil, then the seeds. Cover the seeds with ground level soil and then water. For legumes, such as beans and peas, less nitrogen is required. Put half as much Perfect Blend, or one cup every 50 feet, for best results. During the growing season apply an additional 2 lbs. every 50 feet after your plants bloom. Work these plant nutrients into the soil around the plant root zone. A good time to do this is when you are weeding or hilling-up your plants. Always water in newly applied fertilizer.

Field Vegetables & Orchard Applications:

Broadcast - Broadcast up to one ton per acre using conventional spreading equipment. Fertilizer is most efficient if tilled in immediately after application.

Side Banding – Side-band at the rate of one-half ton per acre in most soils. In sandy or poor soils, this rate can be increased.

Hand Application – Applications by precise hand measure can are efficient at approximately one-quarter ton per acre.

Wheat - Fertilize in front of drill during seeding at a rate of one-quarter to one-half ton per acre.

Rice - Follow above directions however allow at least two weeks before flooding field to provide time for soil micro-organisms sufficient air to full soil food-web integration.

New Orchards – Place one pound of PB Biotic Organic 4-4-4 *AZOMITE®* in the bottom of the planting hole, cover with at least one inch of dirt and then place tree.

Revitalization of Old Orchards – Drill a 2" hole approximately 12" deep at a distance of 18" – 24" from the trunk of the tree. Fill to the top with fertilizer. Permanent PVC pipes can be placed in hole to prevent the need for re-drilling the following season.

Application Rates - Most crop lands require two applications, one in the spring and one in the fall. High nitrogen crops may require up to three applications during the primary growing season.

Guaranteed Analysis

Total Nitrogen (N)	4.00%
0.40% Ammoniacal Nitrogen	
0.03% Nitrate Nitrogen	
1.50% Water Soluble Nitrogen	
2.07% Water Insoluble Nitrogen	
Available Phosphate (P_2O_5)	4.00%
Soluble Potash (K_2O)	4.00%
Calcium (Ca)	7.0000%
Total Magnesium (Mg)	0.7000%
0.70% Water Soluble Magnesium (Mg)	
Sulfur (S)	3.0000%
3.00% Combined Sulfur (S)	

Derived From:

Chicken Manure, Elemental Sulfur, Sulfate of Potash

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

Soil Amending Ingredients:
AZOMITE®

Chlorine (Cl) not more than 0.1000%

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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REGISTERED MATERIAL
For Use In Organic Agriculture
Washington State Dept. of Agriculture

MADE IN USA

4111_ *AZOMITE®*

Net Weight 50 lbs. (22.67kg)