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Sigma 4-4-4

With Mycorrhizal Fungi

Guaranteed Analysis **F001968**

Total Nitrogen (N)	4.0%
0.64%Water Soluble Nitrogen	
3.36%Water Insoluble Nitrogen*	
Available Phosphate (PO)	4.0%
Soluble Potash (KO)	4.0%
Calcium (Ca)	9.0%
Iron (Fe)	0.2%

Derived from composted poultry manure and feather meal and sulfate of potash.

*3.36% slowly available water insoluble nitrogen from composted poultry manure and feather meal.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

5% Humate

Contains 11.3 Million Total Bacillus Bacteria Colony Forming Units (CFU's) per Lb.

Bacillus subtilus	4.17 x 10 ³ CFU's/gm
Bacillus amyloliquefaciens	4.17 x 10 ³ CFU's/gm
Bacillus laterosporus	8.35 x 10 ³ CFU's/gm
Bacillus licheniformis	4.17 x 10 ³ CFU's/gm
Bacillus mojavensis	4.17 x 10 ³ CFU's/gm

Contains 72.57 Total Mycorrhizae / Endomycorrhiza Propagules per Lb.

Glomus Intraradices	0.04 Propagules/gm
Glomus Mosseae	0.04 Propagules/gm
Glomus Etunicatum	0.04 Propagules/gm
Glomus Aggregatum	0.04 Propagules/gm

Contains 1.13 million total Trichoderma Colony Forming Units (CFU's) per Lb.

Trichoderma harzianum	1.0 x 10 ³ CFU's/gm
Trichoderma koningii	1.5 x 10 ³ CFU's/gm

AVAILABLE PACKAGING

2000 LB. TOTES (907 KG),
50 LB. POLYETHYLENE BAGS (22.68 KG), OR
BULK LOAD

Information about the application rate and components of this lot of fertilizer may be obtained by writing to the named guarantor. Please provide the lot number listed below.

Net Weight 50 Lb. (22.68 kg)

Application Rates

Vegetable

Low Rate:

(Examples - peas, beans) Incorporate 1000 lb. per acre 2-3 weeks prior to planting.

Medium Rate:

(Examples - asparagus, beet, carrot, melon, pepper, cauliflower, broccoli, brussels sprout, and celery) Incorporate 2500 lb. per acre at planting.

High Rate:

(Examples - onion, sweet corn, potato, tomato) Apply 2500 lb. per acre at planting then broadcast or band additional fertilizer after plants are well established or per organic certification rules.

Container Sizes

1 Gallon:

Low Rate: 40 grams High Rate: 75 grams

2 Gallon:

Low Rate: 75 grams High Rate: 150 grams

3 Gallon:

Low Rate: 115 grams High Rate: 240 grams

5 Gallon:

Low Rate: 150 grams High Rate: 325 grams

7 Gallon:

Low Rate: 225 grams High Rate: 490 grams

10 Gallon:

Low Rate: 275 grams High Rate: 590 grams

15 Gallon:

Low Rate: 300 grams High Rate: 625 grams

Trees & Palm

Rate based on 1" of trunk diameter (caliper).
Example: for 10" trunk diameter (caliper)
multiply label rate by 10.

Incorporation:

Mix with soil in bottom of holes prior to transplanting. Apply 6.0 lb. at Transplanting.

Broadcast:

Apply 12.0 lb. at Transplanting.

Ornamentals

Low Rate:

(for heavy substrates with porosity < 60%)

Incorporation:

30 lb. per cubic yard of media

Landscape:

49 lb. per 1000 sq. ft.

Medium Rate:

(for most nursery stock and foliage plants)

Incorporation:

45 lb. per cubic yard of media

Landscape:

86 lb. per 1000 sq. ft.

High Rate:

(for light substrates with porosity > 80%)

Incorporation:

56 lb. per cubic yard of media

Landscape:

124 lb. per 1000 sq. ft.

Turf

Natural:

Medium: 19 lb. / 1000 sq ft. (0.75 lb. N)

Lawns:

High: 25 lb. / 1000 sq ft. (1.0 lb. N)

Golf Course

Low Rate:

12 lb. / 1000 sq ft. (0.50 lb. N)

Medium Rate:

19 lb. / 1000 sq ft. (0.75 lb. N)

High Rate:

25 lb. / 1000 sq ft. (1.0 lb. N)

