Adams Earth®
Biostimulant

Guaranteed Analysis

Boron (B) ..... **.020%**
.020% Chelated Boron (B)
Copper (Cu) ..... **.050%**
.050% Chelated Copper (Cu)
Iron (Fe) ..... **.100%**
.100% Chelated Iron (Fe)
Manganese (Mn) ..... **.050%**
.050% Chelated Manganese (Mn)
Zinc (Zn) ..... **.050%**
.050% Chelated Zinc (Zn)

Non-Plant Food Ingredients

Total Humic and Fulvic Acid **14.0%**

4.1% Fulvic Acid
8.2% Humic Acid
1.2% Humin
.5% Ulmic Acid

L-Amino Acid Substrates* **44.5%**
Soluble Kelp Extract **2.5%**
Contains Auxin, Cytokinin and Gibberellin Hormones
Plant Metabolites (Intermediate)** **16.5%**
Carbohydrates. **3.0%**
Sarsaponins (Natural Wetting Agent) **1.0%**

Derived from Leonardite, Humic Acid(s), North Atlantic Kelp Extract, Simple and Complex Carbohydrates, Hydrolyzed Fish Emulsions, Sarsaponins (Natural Wetting Agent), Colloidal Mineral Extracts, Organic EDTA Chelated Micronutrients of Copper-Iron-Manganese-Zinc, complexed sugar of Boron and Polycofermented Extracts of Yeast, Fungi and Soil Bacteria.

- **Weight per gallon: 8.8 lbs. (4 kg)**
- **pH: 7.0**

AdamsEarth® is an organic blend of humic and amino acids, North Atlantic kelp extract, natural sugars, vitamins and other organic compounds. The organic nutrients in **AdamsEarth®** will aid in the improvement of soil structure, rooting, and the uptake of N-P-K and minor elements.

AdamsEarth® contains several different sources of organic matter which will break down at varying times during the growing cycle, providing a longer period to aid in microbial feeding.

AdamsEarth® is a unique combination of humic acid, biostimulants, and micro-nutrients. The humic acid will assist in chelating nutrients tied up in the soil. North American kelp improves rooting caused by auxin, cytokinin, and gibberellin hormones. The micronutrients will aid in the correction of soil deficiencies that may be caused by imbalances due to low or high pH.

Application Rates for AdamsEarth®

Fluid Ounces/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 1,000 sq. ft.	Boron/ 1,000 sq. ft.	Copper/ 1,000 sq. ft.	Iron/ 1,000 sq. ft.	Manganese/ 1,000 sq. ft.	Zinc/ 1,000 sq. ft.	Humic & Fulvic Acid/ 1,000 sq. ft.	L-Amino Acids/ 1,000 sq. ft.	Carbohydrates/ 1,000 sq. ft.
2 oz	0.7 Gal	59 ML	0.0001	0.0001	0.0001	0.0001	0.0001	0.0190	0.0612	0.0041
3 oz	1.0 Gal	89 ML	0.0001	0.0001	0.0002	0.0001	0.0001	0.0289	0.0918	0.0062
4 oz	1.4 Gal	118 ML	0.0001	0.0001	0.0003	0.0001	0.0001	0.0385	0.1224	0.0083
6 oz	2.0 Gal	177 ML	0.0001	0.0002	0.0004	0.0002	0.0002	0.0577	0.1836	0.0124
9 oz	3.1 Gal	266 ML	0.0001	0.0003	0.0006	0.0003	0.0003	0.0866	0.2753	0.0186

Some of the Benefits from **AdamsEarth®** include:

- Improved rooting mass with top growth.
- Chelated nutrients tied up in soils, such as phosphates and iron.
- Increased in microbial activity.
- Increased in plant vigor and chlorophyll production.
- Improved heat and cold tolerance.

Use **AdamsEarth®** when one or more of the following occurs:

- Pre Stress Conditions
- High Stress
- High Salts
- Traffic and Wear
- High Disease Pressure
- Poor Rooting
- Insect Damage
- Drought Conditions
- Compaction and Poor Drainage
- Poor Soil Structure

PLANT FOOD COMPANY, INC.
The Liquid Fertilizer Experts

38 Hightstown-Cranbury Station Road ■ Cranbury, NJ 08512 ■ 800.562.1291 ■ pfc@plantfoodco.com ■ www.plantfoodco.com

Adams Earth Biostimulant

Application Information

Turf Applications

Tees and Fine Turf	2 - 6 oz. per 1,000 sq. ft. every 2 to 4 weeks.
Fairways, Roughs, Sports Turf and Lawns	1 Gallon per Acre (3 oz. per 1,000 sq. ft.) throughout the growing season
Hydroseeding	1 - 2 gallons per acre
Over Seeding	1 gallon per acre before seeding, 1/2 gallon per acre at seeding with a starter fertilizer
Sodding	1 gallon per acre before sodding, 1 gallon per acre after sodding

Trees and Shrubs

Deep Root Injection	32 - 64 oz. per 100 gallon tank mix
Diameter at Breast Height	2 oz. per caliper inch

Farm Application Rates	1 - 2 gallons per acre.
Open Fields	1 - 2 gallons per acre.
Bedding Plants	3 - 6 oz. per 1,000 sq. ft.
Transplanting	24 oz. per 100 gallons of solution

*L-Amino Acid Substrates

L-Alanine	538 Mg/Lb
L-Arginine	546 Mg/Lb
L-Glycine	345 Mg/Lb
L-Hydroxyproline	285 Mg/Lb
L-Isoleucine	354 Mg/Lb
L-Leucine	558 Mg/Lb
L-Lysine	575 Mg/Lb
L-Methionine	103 Mg/Lb
L-Phenylalanine	300 Mg.Lb
L-Serine	338 Mg/Lb
L-Threonine	351 Mg/Lb
L-Tryptophan	73 Mg/Lb
L-Tyrosine	316 Mg/Lb
L-Valine	452 Mg/Lb

**Plant Metabolites (Intermediate)

Vitamins

B-1	16 Mg/Lb
B-2	16 Mg/Lb
B-6	16 Mg/Lb
B-12	25 Mg/Lb
Biotin	100 Mg/Lb
Choline	160 Mg/Lb

Minerals

Calcium	500 Mg/Lb
Phosphorus	216 Mg/Lb
Iodine	120 Mg/Lb
Magnesium	250 Mg/Lb
Potassium	350 Mg/Lb
Selenium	25 Mg/Lb

Tank Mixing Information:
Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least 3/4 full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:
1) Dry flowables or water dispersible granules, 2) Wettable powders, 3) Flowables,
4) Emmulsifiable concentrates, 5) Water based solutions, 6) Compatibility agents,
7) Micronutrients and Fertilizers, 8) Spray adjuvants
Before mixing multiple chemicals and/or fertilizers in the tank, confirm product compatibility by performing a jar test. Be sure to mix with plenty of water.

Caution:
Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Storage and Handling:
Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

Store above 40° F. Do not allow to freeze.

Available Container Sizes:
2 x 2.5 gal (2 x 9.46 L) Case

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