Grow-Plex SP™

All Purpose Natural Trace Mineral, Carbon, and Humic Acid Based Water-Soluble Powder

Product Description:

A natural trace mineral, carbon, and humic acid based water-soluble powder derived from Menefee Humate for used as a stand alone product, or as an ingredient in balanced fertility programs as a foliar nutrient spray or soil drench for plant growth and development.

Grow-Plex SP has excellent tank mix flexibility due to its balanced formulation and neutral pH.

Product Analysis:

Calcuim (Ca)	1.7%
Sulfur (S)	0.4%
Magnesium (Mg)	0.3%
Iron (Fe)	0.06%
Carbon	11.5%
Humic Acids	60.0%
Fulvic Acid	26.0%
PH	6.2

Derived From: Menefee Humate

Suggested Application Rates:

Agriculture Applications:
Soil Applied: 4 to 8 ozs / Acre (250 to 500 gms / Hectare) of Grow-Plex SP per application.
Foliar Applied*:* 2 to 4 ozs / Acre (125 to 250 gms / Hectare) of Grow-Plex SP per application.

Turfgrass Applications:
Greens*:* Apply 1 oz. Per 2,500 square feet every 3-4 weeks with normal fertility program.
Tees & Fairways*:* Apply 1 oz. Per 5,000 square feet every 3-4 weeks with normal fertility program.

Landscape and Ornamental Plants:
***As a soil drench*:** Apply 1 oz. (30 gms) per 10 gallons (40 liters) of water every 3-4 weeks as a stand alone or with fertility products.
***As a foliar spray*:** Apply 2 oz. (60 gms) per 100 gallons (400 liters) of water ever 3-4 weeks to fast growing succulent plants. Apply 4 oz. (120 gms) per 100 gallons (400 liters) or water every 3-4 weeks to slow growing woody plants.

May be harmful if swallowed. May cause irritation of eyes, nose, throat, or skin. Avoid contact with eyes, skin, or clothing. In case of contact with eyes, flush with water. Consult a physician if irritation persists.
Notice: Seller warrants that the product conforms to its description and is reasonably fit for the purposes stated on the label with used in accordance with directions under normal conditions of use. Neither this warranty or any other warranty of merchantability or fitness for a particular use, express or implied, extends to the use of this product to label instructions, or under abnormal conditions, or conditions not reasonable foreseeable to Seller, and Buyer assumes the risk of any such use.

Manufactured for and Distributed by:
Rocky Mountain Bio Products, A Division of Bowman Construction Supply, Inc ● Denver, Colorado 80239 ● (303) 696-8964

PRODUCT INFORMATION

GROW-PLEX SP is a water-soluble source of humic acid. It also supplies levels of soluble potassium and phosphorus in readily available forms. Combined with humic acid, the potassium, phosphorus, calcium, iron and sulfur can be rapidly absorbed and incorporated into the plant whether via soil or foliar application methods.

GROW-PLEX SP is compatible with almost all starter and foliar fertilizers for more efficient uptake and more sustained nutrition. Simply, it makes the fertilizer with which it is applied work better.

APPLICATION GUIDELINES

With soil-applied liquid fertilizers, apply at a rate of 4 to 8 ounces per acre (250 to 500 g/H) of ***GROW-PLEX SP*** per application. Solubilize in water, then add to the liquid fertilizer blend and apply in drip irrigation, in-furrow, banded or sidedressed.

With foliar fertilizers, apply at a rate of 2 to 4 ounces per acre (125 to 250 g/H) of ***GROW-PLEX SP*** per application. Solubilize in water, then add to the liquid fertilizer blend. Apply through pivots, through overhead irrigation, or with ground rigs, air blast, or aerial application methods.

SOLUBLE HUMIC ACID APPLICATIONS IN AGRICULTURE AND HORTICULTURE

The benefits of humic acid usage for vigor and yield enhancement have been documented in numerous studies. Some results have been inconsistent due to use of products of variable quality or use of humic acids under conditions not conductive to a response.

GROW-PLEX SP *is the most consistent and highest quality soluble humic acid product on the market. Users may expect plant response consistent with such a high quality product. However, no guarantee of performance in any of these applications is stated or implied.*

The following list from published literature on soluble humic acids is presented as a guide to testing and illustrates application possibilities:

- Stimulates corn growth and root development whether foliar or soil applied. Low organic soils respond best. Foliar applications are effective regardless of soil condition.
- Increased root and shoot growth in corn and other crops.
- Growth stimulant for tomatoes.
- Improved germination of tomato seeds.
- Increased yield of potatoes and soybeans and increased germination in seed potatoes.
- Stimulated alfalfa regrowth after cutting.
- Increased iron uptake of grass and ornamentals, improves color.
- Yield stimulation when used in hydrophonics as a nutrient solution component.
- Stimulates soil bacteria, buffers excessive levels of micronutrients.
- Added to pop-up or in-furrow fertilizer, improves germination and early growth.
- Promotes growth of potted plants when used in watering.
- Adding ¼ to ½ pound of active material per acre to transplant water increases root growth and reduces transplant shock.
- Foliar sprays help overcome stress of excessive rain, freezing, flowering, fruiting and harvest (these points may be especially applicable to fruit trees).
- General growth stimulation.
- Improved soil wetting.
- Improved availability of iron and other trace metals.
- Improved iron uptake.
- Increased translocation of iron in plants.
- Increased zinc uptake in citrus.
- Increased movement of calcium and magnesium in soil.
- Increased phosphorous availability.
- Inhibited ammonia toxicity to citrus roots, may help correct “young tree decline.”
- Increased aeration, tilth and workability due to improved soil structure.
- Better water movement in soil.
- Increased cation exchange capacity of soil and improved retention of fertilizers by reducing leaching losses.
- Improved buffering and chelation in alkaline soils.
- With UAN, speeds stubble decomposition.
- Herbicide activator for weed control.