

HUMAGROW NSC

NATURAL SOIL CONDITIONER - AGRICULTURAL USE

What is HumaGrow™ NSC?

HumaGrow NSC is an OMRI listed dry natural soil conditioner and amendment derived exclusively from the fresh water Leonardite deposits found in western Texas. **HumaGrow NSC** is beneficial to the physical, chemical and biological properties of the soil. Vital for soil fertility and plant nutrition, **HumaGrow NSC** adds humin, humic acid and fulvic acid to the soil. **HumaGrow NSC** gives the soil proper structure, improves porosity and water holding capacity and cation and anion exchange. **HumaGrow NSC** provides a good source of energy and mineral requirements for beneficial microorganisms.

HumaGrow™ NSC

- Composed primarily of carbon, oxygen, hydrogen, nitrogen and sulfur.
- Provides auxins, amino acids and organic phosphates which stimulate plant growth.
- Readily forms mineral chelates for better plant uptake.

Active Ingredients

Humic Acids	65%
Inert Substances.	35%
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Total	100%

- Good source of energy for beneficial microorganisms and animals such as algae, yeasts, bacteria, fungi, nematodes and micorrhyzae, etc.
- Contain over 60 different minerals that are in a form easily utilized by various living organisms.
- Stabilizes and inactivates soil enzymes.
- Increases germination rates.
- Enhances root initiation & increases root growth.
- Shown to reduce nitrate leaching.
- Improves porosity and water-holding capacity of soil.
- Improves drought tolerance.
- Important component of healthy soil.
- Improves soil structure and texture.



GENERAL RECOMMENDATIONS

Soil Applications:

Tees and Greens Topsoil Mix (including but not limited to grapes, cucumbers, zucchini, and melons) Initially apply 400 - 600 pounds per acre. For additional applications, apply 100 – 150 pounds per acre. Spread HumaGrow NSC 4 – 6 weeks before planting and immediately after harvest and water in.

Cereal Crops (including but not limited to wheat, alfalfa, corn) Initially apply 100 - 300 pounds per acre. For additional applications, apply 50 – 150 pounds per acre. Spread HumaGrow NSC 4 – 6 weeks before planting and immediately after harvest and water in.

Legumes (including soybeans, lentils) Initially apply 100 - 300 pounds per acre. For additional applications, apply 50 – 150 pounds per acre. Spread HumaGrow NSC 4 – 6 weeks before planting and immediately after harvest and water in.

Produce (including but not limited to celery, cole crops, iceberg lettuce) Initially apply 100 - 300 pounds per acre. For additional applications, apply 50 – 150 pounds per acre. Spread HumaGrow NSC 4 – 6 weeks before planting and immediately after harvest and water in.

Stone Fruits (including but not limited to cherries, peaches, plums, nectarines) Initially apply 300 - 400 pounds per acre, concentrating the application in and around the tree's drip zone. For additional applications, apply 100 - 150 pounds per acre, concentrating the application in and around the tree's drip zone, 2 – 4 times per year.

Root and Tuber vegetables (including but not limited to potatoes, sweet potatoes, beets, artichokes, parsley, carrots) Initially apply 100 - 300 pounds per acre. For additional applications, apply 50 – 150 pounds per acre. Spread HumaGrow NSC 4 – 6 weeks before planting and immediately after harvest and water in.

Citrus (including but not limited to oranges, lemons, limes) At time of planting, incorporate ?? per acre per tree into the backfill.

Pome Fruits (including but not limited to apples, pears) Initially apply 300 - 400 pounds per acre, concentrating the application in and around the tree's drip zone. For additional applications, apply 100 - 150 pounds per acre, concentrating the application in and around the tree's drip zone, 2 – 4 times per year.

Nut Crops (including but not limited to almonds, pecans, walnuts) Initially apply 300 - 400 pounds per acre, concentrating the application in and around the tree's drip zone. For additional applications, apply 100 - 150 pounds per acre, concentrating the application in and around the tree's drip zone, 2 – 4 times per year.

Additive to Fertilizers: Blend Leonardite into fertilizer at a rate that will deliver 50 – 500 pounds of HumaGrow NSC per acre.

Potting Soil and Soilless Media: Incorporate ?? pound of HumaGrow NSC per cubic feet bag or 6.75 pounds per cubic yard of soilless media or potting soil.

Note: For best results, when using HumaGrow NSC for the first time in an overall fertilization program, add HumaGrow NSC at a rate of 2 pounds per acre per unit of nitrogen of the dry fertilizer. After the first application reduce the amount of HumaGrow NSC to 0.5 pound per acre per unit of nitrogen of the dry fertilizer. Avoid applying excess fertilizers to soils and plant surfaces. The frequency and rate of application of plant foods can be reduced because HumaGrow NSC activates the soil and root system and allows plants to absorb nutrients more efficiently.

