

Natural Plant Health Care

** All products available in Quart, Gallon, 2.5 Gallon and 5 Gallon
Larger sizes available upon request*

GROUND^{ED}

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Liquid
products
to be used
as a
drench
or
foliar
application

Vermaplex® : OMRI Listed, Certified Organic VermaPlex is a concentrated all natural microbial soil amendment as well as a plant probiotic liquid, designed to enhance plant growth, flowering and fruit production. VermaPlex is derived from pure Black Castings™ and contains liquid humate, soluble sea kelp, yucca, amino acids, beneficial microbes and other natural ingredients.

VermaMax-LE® : A liquid extract from Omri Certified Pure Black Castings™ and VermaMax®. VermaMax-LE is a microbial soil inoculant and liquid fertilizer. This probiotic liquid concentrate also contains liquid humate, yucca, and soluble sea kelp.

Black Sea Kelp : A balanced source of macronutrients and micronutrients, providing over 60 trace elements plants need in very small quantities. Kelp also contains growth-promoting hormones and enzymes. Used as a growth enhancer, kelp helps roots absorb nutrients more effectively from the soil. 100% organic and has been used by farmers for centuries. Not known to clog emitters.

Hydrolyzed Fish + Kelp : Hydrolyzed Fish can be mixed with most liquid fertilizers during seeding, pre-planting, side dress, and irrigation. This fertilizer uses every piece of the fish through a cold pasteurizing technique, retaining the most nutrients and amino acids naturally found in fish. Kelp extract is included, increasing nutrition in the form of Humic acid, Fulvic acid, and Colloidal minerals. This mixture also contains natural rooting hormones that improve root length and root mass. In conjunction with beneficial microbe activity, hydrolyzed fish + kelp allows the absorption of nutrients more efficiently. NPK = 2 - 5 - 0 * Strong odor, may clog emitters, do not tank mix with herbicides.

Granular
and
Powder
products
to be tilled
into soil
or used as
top-dress
above
roots

Black Castings™ : OMRI Listed, Certified Organic 99.9% Pure Earthworm Castings produced from a blend of pure organic materials.

This proprietary process of cultivation results in a consistent, slow release, bio-diverse organic fertilizer produced by earthworms. Castings are rich in minerals and natural microorganisms enhancing the natural soil food web. NPK = 1.0 - 0.5 - 0.2

VermaMax® : OMRI Listed Certified Organic plant food made from Pure Black Castings™ and organic poultry compost (chicken litter) treated with VermaPlex® for extra nitrogen needs. Enhances plant growth, flowering and fruit production. This all purpose, indoor/outdoor all natural organic plant food provides extra nitrogen and 6.72% Calcium. NPK = 3.0 - 2.8 - 1.8

Granular Kelp Meal : A granular seaweed product derived from *Ascophyllum nodosum*, the species of kelp best suited for agricultural and horticultural applications. Kelp meal is an excellent source of potash, for root development, and will aid in plant resistance to nematodes, disease and small pests.

Nutri-cast : is a blend of Pure Black Castings™ and NutriSmart™ Bio-Fertilizer. Loaded with beneficial enzymes, microorganisms, and humic acids, Nutri-Cast provides an organic energy source for biological activity in the soil. This micronutrient blend stimulates germination, root system development, increases plant stress tolerance and pest/disease resistance. Nutri-Cast influences metabolic activity such as photosynthesis, respiration, nucleic acid synthesis and iron uptake. Also used as a soil conditioner to neutralize excessive salts built up in the soil through repeated applications of chemicals and high salt fertilizers.

Palm Perfection : Another high quality blended product made from Omri Certified Pure Black Castings™, Black Sea Kelp and Liquid Yucca Extract. Florida sandy soils are often deficient in a multitude of trace elements; this blend of micronutrients restores nutrients to the soil while stabilizing them from the threat of leaching.

Amend
products
directly
into soil
for specific
plant needs
or
condition
soil for
general
health

Coral Calcium 34% : Sustainably farmed, Coral calcium is composed primarily of calcium carbonate (CaCO₃), with small amounts of magnesium and other trace minerals. Used to increase the pH of the soil (make more alkaline) while increasing water penetration and nutrient uptake of NPK when growing in acidic soils.

Leonardite : A granular source of humic acid (up to 90%) is used as a soil conditioner to improve the soil's physical qualities. Humic acid will bind cations (positively charged elements), such as Mg⁺⁺, Ca⁺⁺, Fe⁺⁺, and other trace elements of value to plants. In this way, it grabs minerals locked up in the soil and holds onto newly applied fertilizer, preventing leaching. Leonardite facilitates the uptake of the ions (nutrients) by holding them until plants can and need to access them.

Liquid Humate Plus : A liquid source for increasing the Cation Exchange Capacity (CEC). Liquid humate plus will bind and hold elements in a localized area for root system uptake. Used in conjunction with VermaPlex® probiotic microbes, macronutrients (NPK) and micronutrients (trace elements) will be in an available form, increasing the efficiency of each application of fertilizer, reducing the need for frequent applications.

Fulvic Acid 5% : Due to the relatively small size of Fulvic acid molecules they can readily enter plant roots, stems, and leaves. As they enter these plant parts they carry trace minerals from plant surfaces into plant tissues. Fulvic acids are key ingredients of high quality foliar fertilizers due to oxygen content twice that of humic acids, and increased chemical reactivity of multiple carboxyl (COOH) and hydroxyl (OH) groups.

Yucca Liquid Extract : 100% natural wetting agent derived from *Yucca schidegera*. Yucca increases soil permeability, allowing water and nutrients to reach plants faster while improving the soil's water holding capacity. Use as a surfactant when applying biological pest control or liquid fertilizers for increased surface area coverage and longer staying capacity on each leaf for residues to be most effective.