The Future Of Agriculture

PureCrop 1

One Organic Solution

OMRI LISTED
For Organic Use

PureCrop1

WHG
Wholesale Horticultural Group

One Organic Solution

Welcome To The Future Of Agriculture

PureCrop1 is an all-in-one organic biostimulant, insecticide and fungicide. Today the company's mission is eliminating toxic chemicals from food. Containing only seven plant-based ingredients, PureCrop1 is naturally safe for the planet, humans, animals and beneficial insects. PureCrop1 eliminates the use of antiquated toxic pesticides or insecticides. PureCrop1 increases purity, health, brix and yield of agricultural related crops and plants.

Derived From Organic Renewables

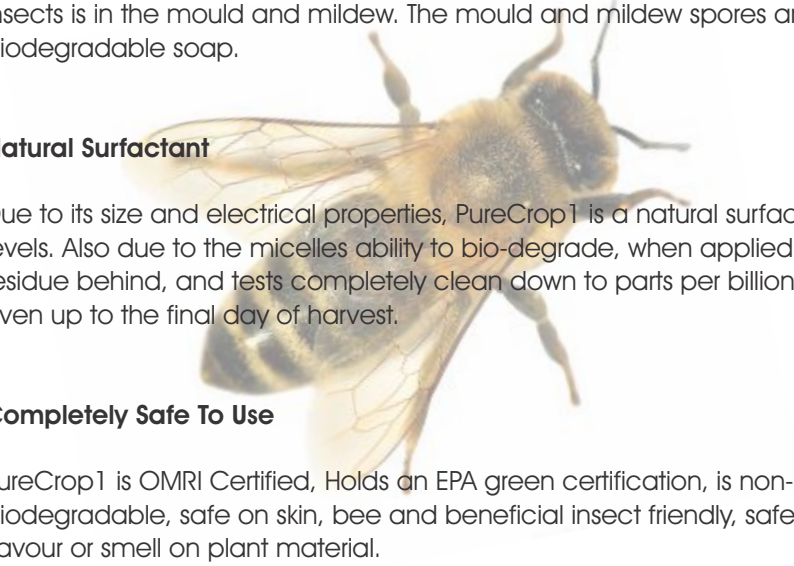
PureCrop1 is derived from renewable plant-based materials such as nuts and seed crops. The product does not contain petroleum distillates or synthetics, artificial foaming or thickening agents, builders, reagents, dyes, fragrances or microbial ingredients.

One Organic Solution For Everything

PureCrop1 is truly an environmentally superior product and delivers significant benefits to the professional farmer or anyone growing plants or crops. Use PureCrop1 for treating and preventing issues causing crop damage such as two-spotted mites, russet mites, broad mites, thrips, fungus gnats, root & leaf aphids, white flies, botrytis, powdery mildew, red blotch, fusarium wilt and downy.

Advanced Nanotechnology

PureCrop1 uses advanced biochemistry to naturally eliminate pests, mould and mildew while increasing plant health. One product made completely of plants that does it all; insecticide, fungicide and bio stimulant. Although it's active ingredients are corn and soybean oil, it is in fact NOT an oil. Through the use of nanotechnology it is a clever rearrangement of molecules to create a colloidal micelle. The micelle measures between 1-4 nanometres and does all the work. When it comes to sap sucking pests, unlike oils which acts as a suffocant, the micelle is attracted to the bacteria in their gut and will actually go through the cellular wall of the insect and disrupt the enzymes in their gut. Therefore, PureCrop1 does not harm beneficial insects, simply because they have a different bacteria in their gut that our micelle is not attracted to. When it comes to mould and mildew, the same cell type that is in the sap sucking insects is in the mould and mildew. The mould and mildew spores are sterilized and then washed off the plant as a biodegradable soap.



Natural Surfactant

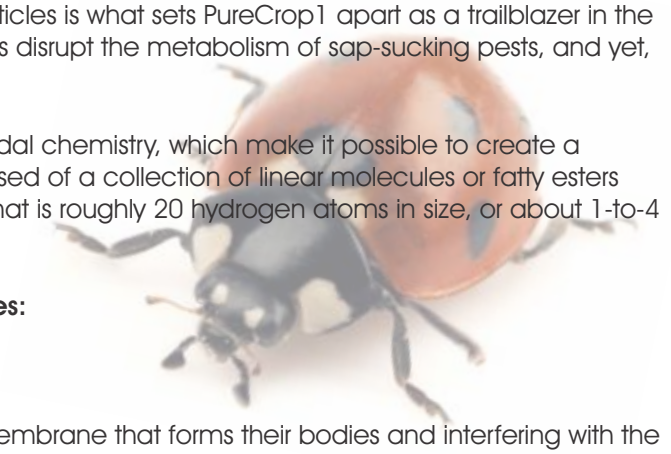
Due to its size and electrical properties, PureCrop1 is a natural surfactant, carrier of nutrients and increases sugar levels. Also due to the micelles ability to bio-degrade, when applied as a foliar spray or root drench, it leaves no residue behind, and tests completely clean down to parts per billion. This product can be used on all stages of growth even up to the final day of harvest.

Completely Safe To Use

PureCrop1 is OMRI Certified, Holds an EPA green certification, is non-hazardous, has a zero OSHA rating, is completely biodegradable, safe on skin, bee and beneficial insect friendly, safe for mammals and humans, and leaves no taste, flavour or smell on plant material.

PureCrop1 - A Multi-Faceted Approach To Plant Health.

Organic compounds like vanillin naturally boost plant vitality, while a surfactant causes pesky mould spores to slip off leaves. However, the use of ultramicroscopic colloidal particles is what sets PureCrop1 apart as a trailblazer in the future of organic agriculture. These powerful colloidal particles disrupt the metabolism of sap-sucking pests, and yet, remain entirely inert to the rest of the biosphere.



PureCrop1 is produced by advanced developments in colloidal chemistry, which make it possible to create a microscopic particle called a 'micelle.' The micelle is composed of a collection of linear molecules or fatty esters and fatty acids clumped together in the shape of a sphere that is roughly 20 hydrogen atoms in size, or about 1-to-4 nanometers.

PureCrop1 can be used for the following plant related issues:

Insects:

PureCrop1 eliminates sap-sucking insects by dissolving the membrane that forms their bodies and interfering with the digestive enzymes in the gut that process their food.

Mould and Mildew:

PureCrop1 lifts from the surface, washes away, and completely biodegrades mould & mildew. This action is similar to using soap with the addition of biodegradation. The activities of our other ingredients increase the health of the plant and create an environment unfavourable to mould & mildew growth on the leaf surface.

Plant Health:

Nutrients feed the plant through minerals that need to be processed by the plant consuming energy (Fatty acids). PureCrop1 delivers these fatty acids directly to the phloem and xylem inside the plant, where they are distributed and made immediately available for its use. PureCrop1 also distributes soluble and insoluble macro and micro-nutrients throughout the plant…leading to healthier plants that grow faster, develop roots & foliage quickly, and ripen early.

Colloidal Action:

Colloids, also known as micelles, are microscopic substances that possess a particularly profound ability to reduce or penetrate surface tension. Their physical action is electrical in nature, with each end maintaining an opposite charge, which, along with its small size, can allow easy penetration of specific biological membranes. The electrical activity of these colloids has a disruptive effect on an insect's ability to breathe. Promptly, various enzymes that support their simple life support system are unable to metabolize or tolerate diluted colloids and their constant expansion, effectively killing the insect.

Ingredients And Their Purpose:

Our ingredients may seem unusual, but that is due to the peculiar nature of our formula. Two processes occur in the manufacturing of PureCrop1, the first being saponification, or the creation of soap by combining fatty acids and an alkyl solvent. The second is the formation of micelles through precise temperature control over a specific period. Two oils are used for their concentrations of myristic, palmitic, stearic, oleic, and linoleic acids.

- Soybean Oil – Fatty acid molecules that form the micelle.
- Corn Oil – Fatty acid molecules that form the micelle.
- Filtered Water – Solvent used to arrange or cast & assemble molecules.
- Glycerin – A release of glycerin from the fatty acid chain occurs as a part of saponification, the process used to make soap. Glycerin is also added to "super-fat" the soap, making it "softer" and able to hold more non-polar molecules.
- Guar Gum – Arabinogalactan is a biopolymer consisting of arabinose and galactose monosaccharides. In plants, it is a significant component of many gums, including guar gum. It is often attached to proteins, and the resulting arabinogalactan protein (AGP) functions as both an intracellular signalling molecule and a glue to seal plant wounds.
- Citric Acid – Provides compounds with ethanol and antibacterial properties.
- Soap – Micelles formed from soap. However, not all soap becomes micelle.
- Vanillin – Boosts the performance of phytoalexins in the plant, improving response to attacks by insects and pathogens.

"With zero OSHA rating, no protective gear is required for spraying PureCrop1"

How To Use PureCrop1:

Tip 1:
PureCrop1is extremely hydrophilic and will strip and carry most oil molecules. This includes residue left from the manufacturing process of new plastic bottles and chemicals from non food grade plastics. Avoid using cheap/low quality plastic spray devices. Always rinse the new reservoir first with 10 mL/L of PureCrop1. Shake vigorously for a minute and discard the contents before proceeding with any application.

Tip 2:
PureCrop1 is a super molecular surfactant. It will increase the spreading and penetrating properties of a liquid by lowering its surface tension. PureCrop1 may be applied via any quality atomising or spraying device, however for best results the use of a ULV Micron Fogger is recommended.

Tip 3:
Always mix PureCrop1 with luke-warm water. PureCrop1 is most soluble at around 25° C.

Tip 4:
To avoid excessive foaming add luke warm water to the reservoir first and PureCrop1 last. Secure the lid and shake well before use.

DIRECTIONS FOR USE:

- **Cuttings and Seedlings**
  5 mL/L every 7 days
- **General Use (prevention):**
  10 mL/L every 4-7 days.
- **Treatment:**
  20 mL/L every day until desired results are achieved (typically 3-4 days). Stop nutrient feeding entirely and use water only until pests, mould or mildew have gone.
- **Preparation:**
  Shake well after mixing and before every use.
- **Application:**
  Thoroughly spray the entire plant including under sides from start to harvest. Spray early morning or late evening. Avoid spraying in direct sunlight or under intense artificial lighting.
- **Root Drench - Sciarid Fly/Fungus Gnats:**
  10 mL/L of PureCrop1. Apply the solution thoroughly and evenly to the entire media with a watering can. Crimp drains if possible and flood the pots for 5 minutes. Repeat every day until gone.

Testimonials From PureCrop1 Users

"..the results of the trial clearly demonstrated that PureCrop1 could be used as an effective fungicide for powdery mildew (Sphaerotheca pannosa) control and can perform as well or better than a leading commercial fungicide."
Brook C. Murphy, Ph.D.

"It works better than anything I have tried. And that list is up to about 10 different products. It is OMRI."
Anthem.

"The product is testing clean parts per million on several 90 day grows. The full disclosure SDS sheet reflects unique ingredient compositions, superior colloidal micelle formulation, and we have experienced earlier bloom and more vibrant looking crops on our farms including non Cannabis grows. This product is the best we have ever utilised on over 500,000 sq ft of grows."
Nano Expert.

"I can tell you this product is not the same as other oil based products. I have a microscope and a bottle of Purecrop1, and had a great big nasty population of root aphids . They melt. Just go find a nice dirty plant with spider mites or what ever your pest is, hit them with the diluted 20 mL per litre then stick em under a scope and time the death rate. Most die within less than a minute."
Kelron

"We have been farmers for 20 years and our indoor grows are always a struggle with fighting off mites or mould. Mites in the spring summer. Mould in the winter. We committed 1 full grow to this product. Using it once a week from the time they were clones all the way to 3 days before we pulled. We are 2 weeks from pulling our second grow with the same exact results. No sign of mould. No sign of mites. Our plants are greener and healthier than they've ever been. The buds are bigger & way frostier. If we only would have had access to this product during the outdoor grow season."
sparkes259

"So far, this product has been effective toward ALL of the pests that we've tested it on, Broad and Russet included. Aside from its effectiveness with IPM, it's also shown to dramatically increase SAR, resilience toward extreme environmental temperatures, overall health, vigor and potency of your end product. We've only begun to scratch the surface by applying the product via root drench... Did I mention that it's completely organic? We had our buds tested in California after the test grow and they tested completely clean. Test attached."
GR33NL3AF

"149% increase in terpenes. A powerful organic agricultural formula that tests clean of residue when used up to day of harvest."
Brook C. Murphy, Ph.D.

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WHG
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Contact us for your nearest reseller:

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