



Made in the USA 



PureCrop1[®]

Powered by Nanotechnology & Colloidal Chemistry

Insecticide | Fungicide | Chelator | Surfactant

Active Ingredients:

Soybean Oil	10.0%
Corn Oil	5.0%
Other Ingredients*	85.0%
Total	100%

*Water, Guar Gum, Glycerin, Citric Acid, Soap, Vanillin

USE SITES: Agricultural Crops, Farmsteads, Greenhouses, Nurseries, Orchards, Ornamentals, Row Crops, Shade Houses, Sod Farms, Turf, Vineyards

PESTS: Including, but not limited to: Aphid, Asian Citrus Psyllid, Citrus Rust Mite, Spider Mite, Broad Mite, Russet Mite, Thrips, Whitefly, Leaf Hopper, Botrytis, Fusarium Wilt, Downy Mildew, Powdery Mildew

PureCrop1 is an organic pest control solution to simplify IPM and crop protection – made to eliminate all sap-sucking insects, mold, and mildew while boosting plant health, maintaining vitality, and creating systemic control.



SAFE
For Use Around Honey Bees*

*when used as directed

This product qualifies for exemption from EPA registration under Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 25(b).

CAUTION
KEEP OUT OF REACH OF CHILDREN

See Inside for Precautions, First Aid, and Directions for Use

Net Contents: 30 gallons (3,840 fl. oz. / 113,562.354 mL)

OUR STORY

PureCrop1 was developed in Hawaii by two scientists who were initially formulating a plant-based alternative to treating cancers in humans. While not a cure for cancer, the potential in agriculture was undeniable. The next decade was spent researching, testing, and perfecting the agricultural solution until the formula you know today was born. Although PureCrop1 found merit in agriculture, the company's deep roots in medicine are not forgotten.

DIRECTIONS FOR USE

CONCENTRATED FORMULA, DO NOT USE UNDILUTED. Apply by foliar spray, soil treatment, or aerial application. Directions below are for use as a standalone treatment. *Continue reading for complete mixing and application directions, and dilution rates.*

- Fill clean tank with clean water.
- Dilute PureCrop1 in water.
- **Shake or agitate well before use.**
- Add PureCrop1 last to avoid over foaming.
- Use higher rates of PureCrop1 and increase spray frequency when pest pressure is high.
- Apply solution to plant, ensuring thorough coverage of surfaces, including top and bottom of leaves.

DILUTION RATES

Preventative Foliar Spray

- **Agriculture:** 0.75% - 1% v/v every 7 - 14 days
- **Hydroponics/Home Use:** 1 ounce per gallon weekly

Curative Foliar Spray

- **Agriculture:** 1% - 1.5% v/v every 7 - 12 days
- **Hydroponics/Home Use:** 1.5 - 2 ounces per gallon every 2 - 3 days

USE RESTRICTIONS

- **Weather:** Do not apply this product when the temperature at time of application is above 90° F. Do not apply this product during hot dry winds, rain, or when these or other unsuitable weather conditions have been predicted.
- **Do not mix this product with:** Anti-foaming agents, clay carriers, methylated oils (MSO).
- **Sulfur:** Do not mix this product with sulfur or sulfur-containing products. Before using this product, make sure that spray tank and other equipment are free of sulfur residues. Do not apply PureCrop1 five days before or after sulfur application.
- **Preharvest Interval (PHI):** This product has a zero PHI and may be used up to day of harvest.
- **Restricted-Entry Interval (REI):** Workers are allowed entry to treated areas immediately. This product has a zero REI.

USE PRECAUTIONS

- Before tank mixing PureCrop1 with other chemicals perform a jar test to confirm compatibility.
 - Fill jar with appropriate volume of chemical 'A' then add appropriate volume of PureCrop1 to jar. Agitate for 10 seconds. Observe for 30 minutes. If there is coagulation/ flocculation the mixture is not compatible.
- This product has not been tested on all species or varieties of crops, ornamentals, non-bearing or commercial trees, and greenhouse plants that are listed on this label. Before treating a large area, treat a small area or a small number of plants and observe the response to treatment for several days before making a full-scale application.
- The use of a surfactant along with PureCrop1 is not recommended due to the natural surface acting agents in PureCrop1.

QR CODE

SCAN HERE
to learn more
purecrop1.com



MODE OF ACTION

PureCrop1 is derived entirely from seven organic plant-based ingredients. While the active ingredients in PureCrop1 are corn and soybean oil, it is, in fact, not an oil. PureCrop1 utilizes nanotechnology to create a self-assembling molecule, the colloidal micelle. The mode of action of the micelle is cellular membrane disruption. Measuring under four nanometers, the particle's size and ability to provide chemical and physical stability provides PureCrop1 with a unique mode of action. These powerful particles help eliminate insects, and plant disease by being bio-selective to only sap-sucking pests and harmful molds and mildews. Beneficial insects are left unharmed.

MIXING INSTRUCTIONS

CONCENTRATED FORMULA - DO NOT USE UNDILUTED

AS A STANDALONE MIXTURE:

PureCrop1 is an emulsifier concentrate and requires only water for the appropriate use dilution.

1. Fill clean tank 90% with clean water.
2. Add desired volume of PureCrop1 according to Dilution Rates Section.
3. Top off tank with clean water.
4. Shake or agitate the container well before use.

MIXING WITH OTHER CHEMISTRIES:

Observe all precautions, limitations, and restrictions on labeling of all products used in tank mixing.

1. Prepare tank mix in accordance with other product label(s) to 90% total spray volume.
2. Add desired volume of PureCrop1 according to Dilution Rates Section.
3. Top off tank with clean water.
4. Shake or agitate the container well before use.
5. Always use the spray solution promptly.

MIXING NOTES:

- Make sure the tank and equipment are clean of residue before adding PureCrop1.
- It is important to add PureCrop1 last to the tank to avoid over foaming.
- **Additional surfactant is not required.**
- Best results are achieved by using a spray water with a temperature of 50°F or warmer.
- When using with other chemistries, always use the spray solution promptly after mixing and do not allow mixture to sit for more than 48 hours.
- Buffering water to pH 5.8 is recommended when dealing with impurities in water including high bicarbonates and/or high salts.

SHELF LIFE:

The shelf life of concentrated PureCrop1 is five years. When using reverse osmosis (RO) water to dilute, the shelf life remains at five years. With filtered water, the shelf life is up to 30 days. If using tap water, the shelf life is one week. Use the solution immediately if you are using well water to dilute the formula.

APPLICATION INSTRUCTIONS

Apply PureCrop1 as a foliar spray, soil treatment (soil drench, in-furrow, drip-applied) or by aerial using thoroughly clean equipment. Applications can be made with any powered or manual pesticide application equipment including high volume, low volume, electrostatic, air blast, and fogging equipment. Follow the original equipment manufacturer's instructions. These application directions apply to all use sites. See Pests Section for insects and plant diseases controlled by PureCrop1.

INSECTICIDE AND FUNGICIDE FOLIAR USE:

- Refer to Mixing Instructions and Dilution Rates Sections before continuing with application.
- Apply mixed solution to plant by foliar spray using desired application equipment.
- Use higher rates of PureCrop1 and increase spray frequency when pest pressure is high. Refer to Dilution Rates Section for specific spray intervals and rates.

SPRAY NOTES:

- PureCrop1 is most effective when applied before or as soon as pests are detected.
- **Coverage:** Apply with sufficient amounts of water and adequate spray pressure to achieve thorough coverage of plant surfaces, ensuring that both the top and bottom of leaves are wetted. Avoid pooling or run off.
- **Timing:** Spray early in the morning or in the evening for best results. Avoid spraying under conditions of high humidity and high temperature (>90°F).
- **Rainfastness:** PureCrop1 has a rainfastness of 2 hours. Apply two hours before rain. Repeat application if it rains within two hours of spraying.
- Adjust water volumes to prevent over wetting in cosmetic crops.

SURFACTANT, ADJUVANT AND PENETRANT USE INSTRUCTIONS:

- Mixes well with most chemistries. Refer to Use Restrictions, Precautions, and Mixing Instructions Sections before mixing with other products.
- PureCrop1 can be used as a surfactant at 1-2 quarts per 100 gallons of water. In some instances less than 1qt will suffice. Refer to Dilution Rates Section for complete rates.
- Always add PureCrop1 last to the tank, after other chemistries.

CHEMIGATION INSTRUCTIONS:

Apply this product through in-furrow, drip (trickle), sprinkler, pivot or misting irrigation system(s). Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

DILUTION RATES

Refer to the concentration rate that applies to your volume measurement. See Mixing Instructions after determining desired dilution rate. PureCrop1 is an emulsifier concentrate and requires only water for the appropriate use dilution. Frequency and dilution rates depend on the crop, growing methods, climate, geography, and variation in crops. Adjust your intervals based on your specific pressures.

INSECTICIDE AND FUNGICIDE FOLIAR USE

Crop	Pest	Use	Concentration Rate of PureCrop1 to Water	Spray Interval
See Crops	See Pests	Preventative Foliar Spray	<ul style="list-style-type: none">• Agriculture: 0.75% - 1% v/v• Hydroponics/Home Use: 1 ounce per gallon	Ag: 7 - 14 Days Hydro/Home: Weekly
See Crops	See Pests	Curative Foliar Spray	<ul style="list-style-type: none">• Agriculture: 1% - 1.5% v/v• Hydroponics/Home Use: 1.5-2 ounces per gallon	Ag: 7 - 12 Days Hydro/Home: 2-3 Days
See Crops	See Pests	Curative Root Zone	<ul style="list-style-type: none">• Agriculture: 0.50% v/v• Hydroponics/Home Use: 0.5 ounce per gallon	Every Water

SURFACTANT, ADJUVANT, AND PENETRANT USE

Use	Concentration Rate of PureCrop1 to Water
Penetrant or Surfactant	• Agriculture: 1 pint - 2 quarts per 100 gallons
Replace Crop Oils	• Agriculture: 0.75% v/v

USE SITES

Use sites include agricultural crops, farmsteads, greenhouses, nurseries, orchards, ornamentals, row crops, shade houses, sod farms, turf, and vineyards. Can be used on the following crops including, but not limited to:

CROPS, PLANTS

Root Vegetables	Carrot, Radish, Sugar beets, Parsnip, Rutabaga, Sweet Potato, Yam, Artichoke, Potato
Blub Vegetables	Garlic, Leek, Onion, Shallot, Chive
Leafy Vegetables	Spinach, Arugula, Celery, Chrysanthemum, Corn Salad, Garden Cress, Dandelion, Endive, Fennel, Lettuce, Orach, Parsley, Radicchio, Rhubarb, Swiss Chard, Cilantro, Collards, Dillweed, Kale, Mustard Greens, Primrose
Brassica Vegetables	Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Bok Choy
Legume Vegetables	Beans, Chickpea, Guar, Lentil, Soybean, Pigeon Pea, Peas
Fruiting Vegetables	Eggplant, Groundcherry, Pepino, Pepper, Tomatillo, Tomato, Okra
Cucurbit Vegetables	Cucumber, Gherkin, Gourd, Melon, Squash, Watermelon, Cantaloupes
Citrus & Tropical Fruits	Citrus, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange, Pummelo, Avocado, Banana, Date, Fig, Guava, Olive, Papaya, Pineapple, Pomegranate
Pome & Stone Fruit	Apricot, Cherry, Nectarine, Peach, Plum, Plumcot, Prune, Apple, Crabapple, Pear
Berries	Blackberry, Blueberry, Elderberry, Gooseberry, Huckleberry, Loganberry, Cane Berry, Raspberry, Cranberry, Grape, Juneberry, Kiwifruit, Mulberry, Strawberry
Tree Nuts	Almonds, Brazil Nut, Butternut, Cashew, Chestnut, Hickory Nut, Macadamia Nut, Pecan, Walnut, Chestnut, Coconut, Ginkgo, Hazelnut, Pine Nut, Pistachio
Cereal Grains	Barley, Buckwheat, corn, Pearl Millet, Proso Millet, Oats, Popcorn, Rice, Rye, Sorghum, Teosinte, Wheat, Wild Rice
Non-Grass Animal Feed	Alfalfa, Bean, Clover, Lupin, Sainfoin, Trefoil, Vetch Popcorn, Rice, Rye, Sorghum, Teosinte, Wheat, Wild Rice

CROPS, PLANTS cont.

Herbs and Spices	Basil, Chamomile, Chive, Cinnamon, Clove buds, Cumin, Curry, Leaf Dill, Fennel, Mint, Mustard, Nutmeg, Pepper, Peppermint, Poppy, Rosemary, Sage, Tarragon, Wintergreen
Miscellaneous Crops	Canola, Coffee, Cotton, Hops, Peanut, Sunflower, Sesame, Hemp, Sunflower, Tobacco

PESTS: INSECTS, MITES, NEMATODES, AND DISEASES

Refer to Application Instructions Section for dilution rate recommendations. Use for treating and preventing the following issues including, but not limited to:

PESTS

Insects	Aphids, Asian Citrus Psyllid, Broad Mites, Citrus Rust Mite, Russet Mites, Spider Mites, Thrips, Whiteflies, Leaf Hoppers
Plant Diseases	Botrytis, Fusarium Wilt, Downy Mildew, Powdery Mildew

CONDITIONS OF SALE AND WARRANTY

Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of PureCrop¹, the manufacturer or seller. All such risks shall be assumed by the buyer. To the extent consistent with applicable law, the seller makes no warranty, expressed or implied, of merchantability, fitness or otherwise concerning use of this product. To the extent permitted by applicable law, the user assumes all risks of use, storage or handling that are not in strict accordance with the accompanying directions.



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See Booklet for Complete Directions for Use



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PO Box 931
Ukiah, CA 95482

For Support, Call: 707-621-8939

PRECAUTIONARY STATEMENTS

CAUTION

KEEP OUT OF REACH OF CHILDREN

Avoid spraying into eyes. May cause eye irritation; eye protection is recommended.

FIRST AID

IF IN EYES:

- Hold eye open, rinse slowly and gently with water for 15-20 minutes.
- If present, remove contact lenses after the first 5 minutes, then continue rinsing.

STORAGE AND DISPOSAL

STORAGE:

Keep out of reach of children and animals. Store in a cool, dry place and avoid freezing. Store in original containers only.

Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

IN CASE OF SPILL: Use absorbent to soak up the spill, then mop or wash away with water. Use caution as the area may be slippery.

DISPOSAL: When the container is empty, rinse out with water. Recycle if available, or dispose in the trash. Always dispose as per federal, state, and local restrictions.

