MADE IN THE USA

NanoCrop

Insecticide | Fungicide | 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, Right-of-Way, Row Crops, Shade Houses, Sod Farms, Turf, Vineyards

PESTS & DISEASES: *Including, but not limited to:* Aphid, Asian Citrus Psyllid, Broad Mite, Citrus Rust Mite, Spider Mite, Russet Mite, Thrips, Whiteflies, Lygus, Stink Bug, Leaf-Footed Plant Bug, Meelybug, Scale, Botrytis, Fusarium Wilt, Downy Mildew, Powdery Mildew, Alternaria, Anthracnose, Bacterial Blast, FireBlight.

Powered by Nanotechnology & Colloidal Chemistry

NanoCrop is an organic pest control solution to simplify crop protection — helps to eliminate sap-sucking insects, mold, and mildew while boosting plant health, maintaining vitality, and providing translaminar protection.

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

PLANT BASED

OMRI LISTED
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ZERO HOUR REI & PHI

0 51497 33209 5

CAUTION
KEEP OUT OF REACH OF CHILDREN
See Inside for Precautions, First-Aid, and Directions for Use

NET CONTENTS: ☐ 2 ½ gallons ☐ 30 gallons ☐ 55 gallons ☐ 275 gallons

USE RESTRICTIONS

- **Weather:** Do not apply this product when the temperature at the time of application is above 90°F. Do not apply this product during hot, dry winds, winds over 10MPH, rain, or when these or other unsuitable weather conditions have been predicted.
- **Do not mix this product with:** Anti-foaming agents, methylated oils (MSO).
- **Sulfur:** Do not apply NanoCrop one day before or after sulfur application. Use caution when mixing with sulfur; refer to *Use Precautions* section.
- **For terrestrial uses**, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

USE PRECAUTIONS

- Before mixing NanoCrop with other chemicals, perform a jar test to confirm compatibility:
  1. Add an apportionate amount of the product(s) to the jar. Fill the jar with chemical 'A' first, then add NanoCrop to the jar.
  2. Agitate for 10 seconds.
  3. Observe for 30 minutes.
  4. 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 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 with NanoCrop is not recommended due to the natural surface acting agents in NanoCrop.
- **Preharvest Interval (PHI):** This product has a zero PHI and can be used up to day of harvest.
- **Restricted-Entry Interval (REI):** This product has a zero REI. Workers are allowed entry to treated areas immediately after NanoCrop application.

DILUTION RATES

CONCENTRATED FORMULA, DO NOT USE UNDILUTED.

See *Mixing Instructions* after determining desired dilution rate. NanoCrop is an emulsifiable 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 and economic threshold.

MODE OF ACTION

NanoCrop is derived entirely from seven plant-based ingredients. While the active ingredients in NanoCrop are corn and soybean oil, it is, in fact, not an oil. NanoCrop 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 NanoCrop 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 destructive fungal pathogens. Beneficial insects are left unharmed.

INSECTICIDE AND FUNGICIDE FOLIAR USE				
Crop	**Pest**	**Use**	**Concentration Rate of NanoCrop to Water**	**Spray Interval**
See Crops	*See Pests*	Preventative Foliar Spray	• **Agriculture:** 0.75% - 1% v/v • **Hydroponics/Home:** 1 oz. per gallon	**Ag:** 7 - 14 Days **Hydro/Home:** Weekly
See Crops	*See Pests*	Curative Foliar Spray	• **Agriculture:** 1% - 2% v/v • **Hydroponics/Home:** 1.5-2 oz. per gallon	**Ag:** 7 - 12 Days **Hydro/Home:** 2-3 Days
See Crops	*See Pests*	Curative Root Zone	• **Agriculture:** 0.50% v/v • **Hydroponics/Home:** 0.5 oz. per gallon	Every Water
See Crops	*See Pests*	Replace Crop Oils	• **Agriculture:** 0.50% - 0.75% v/v	From dormant to bloom through in-season
See Crops	*See Pests*	Dormant Spray	• **Agriculture:** 0.25% - 0.75% v/v	From leaf fall to bud break

SURFACTANT, ADJUVANT, AND PENETRANT USE	
Use	**Concentration Rate of NanoCrop to Water**
Penetrant, Surfactant, or Adjuvant	• **Agriculture:** 1 pint - 2 quarts per 100 gallons

MIXING INSTRUCTIONS

CONCENTRATED FORMULA - DO NOT USE UNDILUTED

AS A STANDALONE MIXTURE:

NanoCrop is an emulsifiable concentrate and requires only water for the appropriate use dilution.

1. Fill clean tank 90% with clean water.
2. Add desired volume of NanoCrop according to *Dilution Rates* Section.
3. Top off tank with clean water.
4. Lightly agitate to prevent over-foaming.

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 NanoCrop according to *Dilution Rates* Section.
3. Top off tank with clean water.
4. Lightly agitate to prevent over-foaming.
5. Always use the spray solution promptly.

MIXING NOTES:

- Make sure the tank and equipment are clean of residue before adding NanoCrop.
- It is essential to add NanoCrop last to the tank to avoid over-foaming.
- **Additional surfactant is not required.**
- Best results are achieved by using spray water with a temperature of 50°F or warmer.
- When using other chemistries, always use the spray solution promptly after mixing and do not allow the mixture to sit for more than 48 hours.

[Continued on next page]

[CONTINUED] MIXING INSTRUCTIONS

- Buffering water to pH 5.8 is recommended when dealing with impurities in water, including high bicarbonates or high salts.
- When mixing nutrients in the same tank with NanoCrop, pesticidal activity may be effected.

SHELF LIFE:

The shelf life of concentrated NanoCrop is five years. When using reverse osmosis (RO) water to dilute, the shelf life remains 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 use well water to dilute the formula.

APPLICATION INSTRUCTIONS

Apply NanoCrop as a foliar spray, soil treatment (soil drench, in-furrow, drip-applied), or aerial using thoroughly cleaned equipment. Applications can be made with any powered or manual pesticide application equipment, including high-volume, low-volume, electrostatic, air-blast, and fogging equipment — do not use C02 pressurized sprayers with NanoCrop. 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 NanoCrop.

INSECTICIDE AND FUNGICIDE FOLIAR USE:

- Refer to *Mixing Instructions* and *Dilution Rates* Sections before continuing with the application.
- Apply the solution to plants by foliar spray using your preferred application equipment.
- Use higher rates of NanoCrop and increase spray frequency when pest pressure is high. Refer to *Dilution Rates* Section for specific spray intervals and rates.

SPRAY NOTES:

- **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 entirely wet. Avoid pooling or run-off.
  - ▸ Adjust water volumes to prevent over-wetting in cosmetic crops.
- **Timing:** Spray early in the morning or evening for best results.
  - ▸ Avoid spraying under conditions of high humidity and high temperature (>90°F)
  - ▸ NanoCrop is most effective when applied *before* or as soon as pests are detected.
- **Rainfastness:** NanoCrop has a rainfastness of two hours. Apply two hours before rain. Repeat application if it rains within two hours of spraying.

SURFACTANT, ADJUVANT, AND PENETRANT USE:

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

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, but not limited to the following:***

CROPS, PLANTS	
Root Vegetables	Carrot, Radish, Sugar beets, Parsnip, Rutabaga, Sweet Potato, Yam, Potato, and other root vegetables
Bulb 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, Dill Weed, Kale, Mustard Greens, Primrose, and other leafy vegetables
Brassica Vegetables	Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Bok Choy
Legumes	Beans, Chickpea, Guar, Lentil, Soybean, Pigeon Pea, Peas, Bean Dry, Beans Green
Fruiting Vegetables	Eggplant, Ground Cherry, Pepino, Pepper, Tomatillo, Tomato, Okra
Cucurbit Vegetables	Cucumber, Gherkin, Gourd, Melon, Squash, Watermelon, Cantaloupe, and other cucurbit vegetables
Citrus, Tropical & Sub-Tropical Fruits	Citrus, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange, Pummelo, Avocado, Banana, Date, Fig, Guava, Olive, Papaya, Pineapple, Pomegranate, and other tropical fruits
Pome & Stone Fruit	Apricot, Cherry, Nectarine, Peach, Plum, Plumcot, Prune, Apple, Crabapple, Pear, and other pome & stone fruit
Berries	Blackberry, Blueberry, Elderberry Gooseberry, Huckleberry, Loganberry, Cane Berry, Raspberry, Cranberry, Juneberry, Kiwifruit, Mulberry, Strawberry, and other berries
Grapes	Table Grapes, Wine Grapes, and Raisin
Tree Nuts	Almonds, Brazil Nut, Butternut, Cashew, Chestnut, Hickory Nut, Macadamia Nut, Pecan, Walnut, Chestnut, Coconut, Ginkgo, Hazelnut, Pine Nut, Pistachio, and other tree nuts
Cereal Grains	Barley, Buckwheat, Corn, Pearl Millet, Proso Millet, Oats, Popcorn, Rice, Rye, Sorghum, Teosinte, Wheat, Wild Rice

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[CONTINUED] CROPS, PLANTS	
Forage Cereal Grains and Non-Grass	Alfalfa, Bean, Clover, Lupin, Sainfoin, Triticale, Trefoil, Vetch, Popcorn, Rice, Rye, Sorghum, Teosinte, Wheat, Wild Rice
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	Artichoke, Canola, Coffee, Cotton, Hops, Peanut, Sunflower, Sesame, Hemp, Sunflower, Tobacco

PESTS: INSECTS, MITES AND PLANT DISEASES

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

PESTS	
Insects & Mites	***Including, but not limited to:*** Aphid, Asian Citrus Psyllid, Broad Mite, Citrus Rust Mite, Spider Mite, Russet Mite, Thrips, Whiteflies, Lygus, Stink Bug, Leaf-Footed Plant Bug, Meelybug, Scale, Botrytis, Fusarium Wilt, Downy Mildew, Powdery Mildew, Alternaria, Anthracnose, Bacterial Blast, FireBlight.
Plant Diseases	***Including, but not limited to:*** Agricultural Crops, Farmsteads, Greenhouses, Nurseries, Orchards, Ornamentals, Right-of-Way, Row Crops, Shade Houses, Sod Farms, Turf, Vineyards.

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 NanoCrop, 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 consistent with applicable law, the user assumes all risks of use, storage or handling that are not in strict accordance with the accompanying directions.

NanoCrop

Powered by
Nanotechnology and Colloidal Chemistry

Insecticide | Fungicide | Surfactant

OMRI LISTED
For Organic Use · OMRI.org

ZERO HOUR REI & PHI

Active Ingredients:

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

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

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

See Booklet for Complete Directions for Use

NanoCrop

West Coast Ag Products
PO Box 1246
Ukiah, CA 95482
For Support, Call: 707.972.5650

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.

Made in the USA

Please Recycle