



OmniCoat is a seed treatment for effective suppression/control of listed plant-parasitic nematodes, plant diseases and insect pests.



Made in U.S.A.

Manufactured exclusively for:

Organisan
corporation

P.O. Box 2085 • Carrollton, GA 30112
337-445-3657 • organisancorp.com

2.5 GAL / 9.464 L

Active Ingredients:

Quillaja Extract*	8.0%
Chitosan.....	2.0%
Other Ingredients:	90.0%
Total:	100.0%

*Product contains 0.69% Saponins of Quillaja saponaria

EPA Reg No.: 92032-1
EPA Establishment No.: 91888-LA-2
Not for sale (or use) in California

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

See booklet for additional information, precautionary statements and directions for use.

Lot Number



For application as a seed treatment to control/ suppress listed plant-parasitic nematodes, plant diseases and insect pests.

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Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15–20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-800-222-1222** for emergency medical treatment information.

See booklet for additional information, precautionary statements and directions for use.

Net Contents:

☐ 1.0 GAL / 3.785 L

☐ 2.5 GAL / 9.464 L

☐ 5.0 GAL / 18.928 L

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - DANGER. Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles or face shield. After product is diluted in accordance with the directions for use, goggles or face shield is not required. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water), is:

- Long-sleeved shirt and long pants
- Shoes plus socks

SEED TREATMENT USE INSTRUCTIONS

OmniCoat is a biochemical seed treatment that provides early season protection against listed plant parasitic nematodes, plant diseases, and insects. OmniCoat also helps establish a vigorous root system that results in greater yields, more uniform foliage, and overall enhanced plant health. OmniCoat must be used only in accordance with use instructions on this label utilizing conventional acceptable seed treatment techniques, provided that the equipment can be calibrated to accurately and uniformly apply the product to the seed. OmniCoat is for both commercial and on-farm application. If OmniCoat is used for commercial seed treatment, treated seed must be labeled in accordance with the requirements of the Federal Seed Act and applicable State seed laws. If this product is intended for seed treatment at-planting, treat only those seeds needed for immediate use, minimizing the interval between treatment and planting.

Seed Quality and Storage of Treated Seed

Seed treatments applied to low vigor, poor quality, or mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. Prior to treatment of an entire seed lot, verify seed viability by treating a small portion of seed with the desired slurry mixture (OmniCoat alone or in combination with other commercial seed treatment products). Utilize standard seed germination methodologies to determine and verify seed viability. Properly store treated seed. Due to seed quality and seed storage conditions beyond the control of Organisan Corporation, no claims are made to guarantee the germination of carry-over treated seed.

Label Requirements of Treated Seeds

The Federal Seed Act requires that bags containing treated seed be labeled or tagged with the following information:

- This seed has been treated with chitosan and quillaja extract.
- Store treated seed away from food and feedstuffs.
- Wear long pants, long-sleeved shirt, and protective gloves when handling treated seed.

Mixing Instructions

Accurate application of OmniCoat to seed is required for best performance. Dilute OmniCoat with water (buffered to pH 5.0 or below) or distilled water. Apply as a water-based suspension of adequate volume to distribute product uniformly over seed surface area at a rate of 1 – 8 ounces per 100 lbs seed. The volume of suspension will vary according to seed type and whether companion seed treatments are used. Thoroughly pre-mix OmniCoat with water to ensure a uniform suspension. To verify compatibility with other seed treatment products, pre-test tank mixtures to evaluate formulation and proper physical compatibility of products. OmniCoat can be applied alone or with other seed treatment pesticides or other seed-applied products through commercial seedtreating equipment. Buffer the mixture to pH 5.0 or below before adding OmniCoat. Avoid storing wet seed as germination may be reduced if seed is not planted shortly after treatment.

When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately $\frac{1}{2}$ to $\frac{1}{2}$ of the required water (buffered to pH 5.0 or below or distilled) to the treatment slurry tank followed by the accompanying seed treatment products and OmniCoat. The order of product addition is dependent on the accompanying seed treatment products and application equipment used. Determine required amount of each tank mix component based on rate, seed size, and amount of seed to be treated. Fill mix tank with required amount of water (pH buffered or distilled) followed by OmniCoat, all seed treatment components, and seed colorant (if required). Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained. Ensure all products are uniformly mixed prior to use. After all slurry components have been added and dispersed completely add the remaining $\frac{1}{2}$ to $\frac{3}{5}$ of required water (pH buffered or distilled) for proper slurry volume and mix until uniform. Do not store mixed slurries for greater than 24 hours. Maintain adequate agitation until treatment slurry is applied.

Target Pests

OmniCoat is effective against the following nematode, insect, and plant disease pests:

Nematode Pests: Root-lesion nematode (*Pratylenchus spp.*), Root-knot nematode (*Meloidogyne spp.*), Reniform nematode (*Rotylenchulus spp.*), Sting nematode (*Belonolaimus spp.*), Stem nematode (*Ditylenchus spp.*), Gall nematode (*Anguina spp.*), Soybean Cyst Nematode (*Heterodera spp.*), Guava nematode (*Meloidogyne spp.*), Potato cyst nematode (*Globodera spp.*).

Fungal and Bacterial Diseases: *Rhizoctonia spp.* (*R. solani*), Garlic and Onion White Rot, Onion Pink Root Rot, *Fusarium spp.* (*F. oxysporium*, *F. solani*, *F. graminearum*), *Aspergillus spp.*, *Pseudomonas spp.*, *Phytophthora spp.*, *Phytophthora gummosis*, *Phytophthora Root Rot*, Bacterial Soft Rot, Armillaria Root Rot, Bacterial Blast, Sooty Mold, Alternaria, Melanose, Verticillium, Curvularia, Leaf Spot, Fairy Ring, Anthracnose, Brown Patch, Gray Leaf Spot.

Insect Pests: White flies (egg, nymph), Aphids (all life stages except adult), Thrips (egg, larvae, pre-pupal, pupal), Stink Bugs (egg, nymph), Plant Bugs (egg, nymph), Psyllids (egg, all 5 instar stages), Wireworms (egg, larvae), Corn Borers (egg, larvae), Corn Root Worm (egg, larvae instars), Southern Cow Pea Weevil (egg, larvae, maggot), Pea Weevils/Curcula (all life stages except adult), Mites (all life stages except adult), Sugarcane Aphids (all life stages except adult), Corn Ear Worm (all life stages except adult), Corn Root Maggot (all life stages except adult), Borers (all life stages), Pine Beetles, Snails (all life stages), Slugs (all life stages), Grasshoppers (egg, nymph), Colorado Potato Beetle, Cereal Leaf Beetle, Leaf Miners, Mealy Bugs, Crickets (egg, larvae).

Application Rates

Specific application rates per crop are listed in the tables on pages 4 and 5. However, increased application rates of up to 8 ounces OmniCoat per 100 lbs seed can accommodate increased pest pressure and/or increased coating efficiency to account for differences in individual seed morphology and surface characteristics. Application rates vary per crop but do not exceed 8 oz. per 100 lbs seed. Product application by seed weight translates into different numbers of seeds within varieties and species which can affect coating efficiency. The rate ranges provided account for variances in individual seed weight, seed sizes, and seed morphology between crop species within the same group.

OmniCoat Application Rates

Crop Grouping	Including	Application Rate
Cereal Grains	Barley, Buckwheat, Corn (sweet and field), Millet, Oats, Quinoa, Rice, Rye (annual and cereal), Sorghum, Milo, Wheat, Grain Amaranth	1-4 oz/100 lbs seed
Berries and Small Fruit	Bayberry, Bearberry, Bilberry, Blackberry, Blueberry, Buffaloberry, Che, Chilean guava, Chokeberry, Cloudberry, Cranberry, Currant, Elderberry, Gooseberry, Grape, Huckleberry, Kiwifruit, Lingonberry, Loganberry, Mulberry, Raspberry, Strawberry	2-4 oz/100 lbs seed
Brassica (Cole) Leafy Vegetables	Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Broccoli, Chinese Cabbage (Bok Choy), Chinese Cabbage (Napa), Chinese Mustard Cabbage (Gai Choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, and Rape Greens	2-4 oz/100 lbs seed
Bulb Vegetables	Leek, Garlic, Onion (Bulb and Green) and Shallot	2-4 oz/100 lbs seed
Citrus	Lemon, Orange, Lime, Grapefruit, Kumquat, Pummelo, Mandarin, Satsuma	2-4 oz/100 lbs seed
Cotton		4-6 oz/100 lbs seed
Cucurbit Vegetables	Cucumber, Edible Gourds, Muskmelon, Cantaloupe, Pumpkin, Watermelon, and Winter and Summer Squash	1-4 oz/100 lbs seed
Fruiting Vegetables	Tomato, Tomatillo, Pepper, Ground cherry, Pepino, Okra and Eggplant	1-4 oz/100 lbs seed
Grass Forage, Fodder and Hay	Bermuda grass; bluegrass; and brome grass or fescue, Bahia grass (<i>Paspalum spp.</i>) Orchard grass, Timothy grass, Crested Wheat Grass, Intermediate Wheat Grass	1-4 oz/100 lbs seed
Hemp		2-4 oz/100 lbs seed
Leafy Vegetables	Arugula, Celery, Corn Salad, Cress, Dandelion, Dock, Edible Chrysanthemum, Endive, Fennel, Head Lettuce, Leaf Lettuce, Parsley, Purslane, Radicchio, Rhubarb, Spinach and Swiss Chard	2-4 oz/100 lbs seed
Legume Vegetables (Succulent or Dried)	Bean (Lupinus) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); bean (Phaseolus) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); bean (Vigna) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean); broad bean (fava); chickpea (garbanzo); guar; jackbean; lablab bean; lentil; pea (Pisum) (includes dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea); pigeon pea; soybean; soybean (immature seed); sun hemp; sword bean	2-4 oz/100 lbs seed

OmniCoat Application Rates (continued)

Crop Grouping	Including	Application Rate
Oilseed Crops	Rapeseed, canola, sunflower, safflower, flax seed, cottonseed, sesame, borage, calendula, castor oil plant, crambe, cuphea, echium, euphorbia, evening primrose, gold of pleasure, hare's ear mustard, jojoba, lesquerella, lunaris, meadowfoam, milkweed, mustard seed, niger seed, rose hip, oil radish, poppy seed, stokes aster, sweet rocket, tallowwood, tea oil plant, vernonia	2-4 oz/100 lbs seed
Peanut		2-4 oz/100 lbs seed
Root and Tuber Vegetables	Artichoke, Black Salsify, Carrot, Cassava, Celeriac, Chayote Root, Chicory, Chinese Artichoke, Edible Burdock, Garden Beet, Ginger, Ginseng, Horseradish, Jerusalem Artichoke, Oriental Radish, Parsnip, Potatoes, Radish, Rutabaga, Salsify, Skirret, Spanish Salsify, Sugar Beet, Sweet Potatoes, Tumeric, Turnip, Turnip-rooted Chervil, Turnip-rooted Parsley and Yams	2-4 oz/100 lbs seed
Sugarcane		2-4 oz/100 lbs seed
Tobacco		2-4 oz/100 lbs seed
Tree Nurseries	Christmas trees, Fir, Pine, Oak, Spruce, Noble Fir, Scotch Pine, Balsam Fir, Douglas-Fir, Elm, Ash, Hickory, Poplar, Cedar, Locust, and other tree varieties for commercial use or reforestation	2-4 oz/100 lbs seed
Turfgrass	Ornamental lawns, golf courses, sod farms	1-2 oz/100 lbs seed
Herbs and Spices	Allspice, Angelica, Anise, Star Anise, Annatto, Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Cardamom, Cassia (buds and bark), Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove buds, Coriander, Cilantro, Costmary, Culantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of Paradise, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper (white and black), Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff, Wormwood	2-4 oz/100 lbs seed
Stalk, Stem, and Leaf Petiole Vegetables	Agave, Aloe Vera, Asparagus, Bamboo shoots, Cardoon, Celery, Celtuce, Fennel, Fern, Fuki, Kale, Kohlrabi, Palm hearts, Prickly pear, Rhubarb, Udo, Zuiki	2-4 oz/100 lbs seed
Hops		2-4 oz/100 lbs seed
Nongrass Animal Feeds	Alfalfa, Velvet Bean, Clover, Lespedeza, Lupin, Sainfoin, Trefoil, Vetch (crown and milk), Bahia grass (<i>Paspalum spp.</i>)	1-2 oz/100 lbs seed

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool dry place. Avoid freezing.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program.

Container Handling:

Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

NOTICE ON CONDITIONS OF SALE

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. 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 Seller. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Seller makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Seller is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Seller disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Seller election, the replacement of product.