



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

March 19, 2019

Michael A Peplowski
Manager, Product Registrations
ISK Biosciences Corporation
7470 Auburn Road, Suite A
Concord, OH 44077

Subject: PRIA Label Amendment – Add a New Disease at a Different Rate for Potato
Product Name: Omega 500F
EPA Registration Number: 71512-1
Application Date: 04/19/2018
Decision Number: 540436

Dear Mr. Peplowski:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

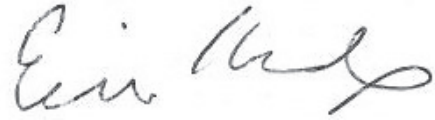
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Manjula Unnikrishnan by phone at 703-347-8520, or via email at unnikrishnan.manjula@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Erik Kraft", written in a cursive style.

Erik Kraft, Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



OMEGA® 500F

AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENT: Fluazinam*	40.0%
OTHER INGREDIENTS:	60.0%
Total.....	100.0%

*3-chloro-*N*-[3-chloro-2,6-dinitro-4-trifluoromethyl)phenyl]-5-trifluoromethyl-2-pyridinamine (CA)

Contains 4.17 pounds fluazinam per gallon (500 grams per liter)

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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.)

See side panel for additional precautionary statements.
Read entire label carefully and use only as directed.

ISK Biosciences Corporation
7470 Auburn Road, Suite A
Concord, Ohio 44077

EPA Reg. No. 71512-1 EPA Est. No.

Formulated in USA

Net Contents: 2.5 Gallons



FIRST AID	
If on skin	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
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.
If inhaled	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. - Call a poison control center or doctor for further treatment advice.
If swallowed	- Call a poison control center or doctor immediately for treatment advice. - Have person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24-Hour Medical Emergency Assistance Call 1-888-484-7546.	
For Chemical Emergency, Spill, Leak, Fire or Accident, Call CHEMTREC 1-800-424-9300.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes skin irritation. Harmful if absorbed through skin. Causes moderate eye irritation. Harmful if inhaled or swallowed. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before use.

Personal Protective Equipment (PPE)

Applicators, flaggers, and other handlers must wear coveralls worn over long-sleeved shirt, long pants, socks and chemical resistant footwear, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, and protective eyewear. Airblast applicators must also wear chemical-resistant headgear. When mixing and loading, or when cleaning equipment, also wear a chemical resistant apron.

Do not allow contact of contaminated clothing with unprotected skin.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down. Do not allow contact between contaminated sprayer parts and unprotected skin. Ensure sprayer is washed down daily.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 12 hours. Refer to use directions for each crop to see additional REI restrictions for high exposure activities (i.e., hand weeding) greater than 12 hours.

PPE required for early entry to the 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: coveralls worn over long-sleeved shirt and long pants, socks and chemical-resistant footwear, chemical resistant gloves made of any waterproof material, and protective eyewear.

Omega 500F may cause allergic skin reactions in a small number of sensitive individuals. To prevent the potential for an allergic reaction: when entering treated crops, wear protective clothing (coveralls, socks and shoes) to avoid contact of unprotected skin with foliage; wash all protective clothing (coveralls) regularly, preferable daily; remove PPE immediately after leaving treated area, wash thoroughly, as soon as possible, and change into clean clothing; keep and wash PPE separately from other laundry; when entering treated crops, avoid contact of unprotected skin with treated foliage. People who have been sensitized to Omega 500F must not use or have further contact with the product.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

Omega 500F may be applied with all types of spray equipment normally used for ground applications.

RESTRICTIONS:

Do not apply this product with mechanically pressurized handgun equipment. Aerial application or application through sprinkler irrigation systems is not allowed unless specific directions are given for a crop. See the crop table, and application and calibration instructions below.

Do not cultivate within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries) so as to allow growth of a vegetative filter strip.

Do not apply OMEGA 500F within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries). In the State of New York, do not apply within 100 feet of surface water. Do not apply OMEGA 500F by aerial equipment within 150 feet of marine/estuarine areas. Aerial application is prohibited in the State of New York.

MANDATORY SPRAY DRIFT

Aerial Applications:

- Do not release spray at a height greater than 10 ft. above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
- IMPORTANCE OF DROPLET SIZE:
An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying

larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom –

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher low rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- Adjust Nozzles – Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft. above the crop canopy unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS –

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke

that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

- WIND
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.
- BOOM-LESS GROUND APPLICATIONS:
Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.
- HANDHELD TECHNOLOGY APPLICATIONS:
Take precautions to minimize spray drift.

MIXING AND SPRAYING

OMEGA 500F can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control.

Apply OMEGA 500F in sufficient water to obtain adequate coverage of the foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume will usually range from 20 to 100 gallons per acre for dilute sprays, and 5 to 10 gallons per acre for concentrate ground and aerial sprays. For aerial applications, apply OMEGA 500F in a minimum of 5 gallons of water per acre.

Dosage rates on this label indicate pints of OMEGA 500F per acre, unless otherwise stated. Under conditions that favor disease development, use the high rate specified and the shortest application interval.

NOTE: Slowly invert container several times to assure uniform mixture.

Add the required amount of OMEGA 500F slowly into the spray tank during filling. With concentrate sprays, premix the required amount of OMEGA 500F in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

DO NOT allow spray mixture to stand overnight or for prolonged periods. Prepare only the amount of spray required for immediate use. Spraying equipment needs to be thoroughly cleaned immediately after the application.

TANK MIX COMPATIBILITY

OMEGA 500F is physically compatible (no nozzle or screen blockage) with many products specified for control of diseases and insects on vegetable crops. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. OMEGA 500F is generally compatible with other insecticides, fungicides, fertilizers and micronutrient products provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of OMEGA 500F with tank mix partners needs to be evaluated before use. Conduct a jar test with intended tank-mix pesticides prior to preparation of large volumes. Use the following procedure: 1) Pour the specified proportions of the products into a suitable container of water, 2) Mix thoroughly and 3) Allow to stand 5 minutes. If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that OMEGA 500F must not be used in the tank-mix.

ROTATIONAL CROP (PLANTBACK) RESTRICTIONS

Areas treated with Omega 500F may be replanted with crops on this label immediately after the last treatment. All other crops can be planted 30 days after the last application.

FIELD AND ROW CROPS:

Apply OMEGA 500F in sufficient water to obtain adequate coverage of foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume usually will range from 20 to 60 gallons per acre (200 to 600 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays. Application through sprinkler irrigation systems is not allowed unless specific directions are given for a crop. See application and calibration instruction below.

INTEGRATED PEST MANAGEMENT

OMEGA 500F is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. OMEGA 500F is recommended for use as part of an Integrated Pest Management (IPM) program, which may include the use of disease resistant crop varieties, cultural practices, biological control agents, pest scouting and disease

forecasting systems aimed at preventing economic pest damage. Practices known to reduce disease development need to be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. OMEGA 500F may be used in State Agricultural Extension advisory (disease forecasting) programs that advise application timing based on environmental factors which favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. OMEGA 500F is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. OMEGA 500F has a multi-site mode of action that disrupts the energy production in the fungus. It is listed in FRAC code 29, as an uncoupler of oxidative phosphorylation. Some other fungicides, which are at risk from disease resistance, exhibit a single-site mode of fungicidal action. OMEGA 500F, with its multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of OMEGA 500F in programs that seek to minimize the occurrence of disease resistance to other fungicides. FRAC lists fluzinam as low risk for resistance and thus it is an excellent partner for those products that specify the use of a protectant or other fungicide that has a different mode of action.

For resistance management, OMEGA 500F contains a Group 29 fungicide. Any fungal population may contain individuals naturally resistant to OMEGA 500F and other Group 29 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate OMEGA 500F or other Group 29 fungicides within a growing season with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant

resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set or portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you must contact State Extension Service specialists, equipment manufacturers or other experts.

Restrictions:

DO NOT apply OMEGA 500F through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, if the need arises.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low-pressure drain, located between the irrigation

water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject OMEGA 500F into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

OMEGA 500F may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Thoroughly mix specified amount of this product for acreage to be covered into the same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from the last sprinkler head.

B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 to 45 minute period. Mix desired amount of OMEGA 500F for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Agitation is advised. OMEGA 500F can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in original container, in a secured, dry place separate from food and feed.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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 or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE			
Crop	Diseases	Rate Per Acre	Instructions
Apples	Diseases Controlled Apple Scab (<i>Venturia inaequalis</i>)	10 to 13.8 fl oz (0.326 to 0.450 lbs a.i.)	Apply Omega 500F as a broadcast spray on a preventative basis. For scab control begin applications at green tip or when conditions are favorable for primary scab development. Repeat applications at 7- to 10-day intervals. Use the high rate and shortest intervals for more susceptible varieties and heavy disease pressure.
	Flyspeck (<i>Zygophiala jamaicensis</i>)		Follow a similar early season program for control of Hawthorn leaf blight in Mayhaw.
	Sooty blotch (disease complex)		
	Bitter rot (<i>Colletotrichum cingulata</i>)	10 to 13.8 fl oz (0.326 to 0.450 lbs a.i.)	For control of flyspeck and sooty blotch begin applications before disease occurs and continue on a 7- to 10-day schedule. Use the higher rate and shorter interval when disease pressure is high.
	Black rot (<i>Botryosphaeria obtusa</i>)	13.8 fl oz (0.450 lbs a.i.)	For control of bitter rot, black rot, Brooks spot, cedar apple rust, two-spotted spider mite and European red mite begin applications before disease occurs or mites are present, continue on a 7- to 10-day schedule and shorten application intervals when disease pressure or mite infestations are high. When Omega 500F is used as a cover spray, initiate the applications at petal fall and continue applications on a 7- to 10-day schedule to within 28 days of harvest.
	Brooks spot (<i>Mycosphaerella pomi</i>)		
	Cedar apple rust (<i>Gymnosporangium juniperi-virginianae</i>)		
	Diseases Suppressed Alternaria blotch (<i>Alternaria mali</i>)	13.8 fl oz (0.450 lbs a.i.)	For diseases and mites that are only suppressed use the high rate of 13.8 fl oz (0.450 lb. a.i.) and make applications on a 7-day interval.
	White rot (<i>Botryosphaeria dothidea</i>)		Omega 500F applied as cover sprays on a 7- to 10-day schedule will provide control/suppression of mites, however if applications of Omega 500F are discontinued then the application of a specific miticide may be required.
	Quince rust (<i>Gymnosporangium clavipes</i>)		Applications are based on a tree size requiring a dilute spray of 200 gallons per acre.
Mayhaw	Mites Controlled Two-spotted spider mite (<i>Tetranychus urticae</i>)	13.8 fl oz (0.450 lbs a.i.)	Restrictions DO NOT make more than 10 applications at the high rate of 13.8 fl oz (0.450 lb. a.i.) per acre per year. DO NOT make more than 13 applications at the low rate of 10 fl oz (0.326 lb. a.i.) per acre per year.
	European red mite (<i>Panonychus ulmi</i>)		DO NOT apply more than 138 fl. oz. of Omega 500F (4.50 lbs. a.i.) per acre per year. DO NOT apply within 28 days of harvest.
	Mites Suppressed Apple rust mite (<i>Aculus schlectendali</i>)		Restricted Entry Interval (REI) = 12 hours.
	Hawthorn leaf blight (<i>Monilinia johnsonii</i>)	13.8 fl oz (0.450 lbs a.i.)	The maximum single use rate is 13.8 fl. oz. (0.450 lb. a.i.)/A with the shortest RTI of 7 days.
			(See use directions at the beginning of this section for Hawthorn leaf blight control.)

Crop	Diseases	Rate Per Acre	Instructions
Brassica Leafy Vegetables, Crop Group 5, Turnip greens	Club root <i>(Plasmodiophora brassicae)</i>	Transplant: 6.45 fl. oz. (0.210 lbs. a.i.) / 100 gallons Soil Incorporation: 41.6 fl. oz. (1.355 lbs. a.i.)/A	Application Directions: Transplant Soil drench: Immediately after transplanting, make a single application at the rate listed here (6.45 fl. oz. (0.210 lbs. a.i.)/100 gal) using 3.4 fluid ounces of this transplant solution per plant. Up to 955 gallons of this transplant solution containing 61.6 fl. oz. of Omega 500F (2.01 lbs. a.i.) can be used per acre per year. Soil Incorporation: Alternatively, if desired and for soil with low infiltration rates, apply 41.6 fl. oz. (1.355 lbs. a.i.) per acre in a minimum bandwidth of 9 inches along the planting row and incorporate to a soil depth of 6 to 8 inches with a precision incorporator in the same operation. Apply in a water volume of at least 50 gallons per acre. Transplant the seedlings into the treated band. If planting into a bed, a broadcast application can be made prior to forming the bed. Note: This product may delay the start of harvest by up to 8 days, cause some plant stunting, and shorten the harvest period, without adverse effects on the final yield.
Cabbage & Chinese Cabbage (Tight-heading varieties) Only	Downy Mildew <i>(Peronospora parasitica)</i> Alternaria leafspot <i>Alternaria</i> spp.	Foliar: 15.35 fl. oz. (0.5 lbs. a.i.)/A	Foliar Application: For Cabbage & Chinese Cabbage only, initiate applications when disease first appears or when conditions are favorable for disease development and repeat on a 7-day interval. Up to 6 foliar applications can be applied. Restrictions DO NOT apply more than 61.6 fl. oz. of Omega 500F (2.01 lbs. a.i.) per acre per year via the transplant soil drench application as a one-time application. DO NOT apply more than 41.6 fl. oz. of Omega 500F (1.355 lbs. a.i.) per acre per year via the soil incorporation application as a one-time application. DO NOT apply more than 6 applications at the single maximum rate of 15.35 fl. oz. (0.5 lbs. a.i.) per acre for a total of 92.1 fl. oz. of Omega 500F (3.00 lbs. a.i.) per acre per year to cabbage via foliar applications. The shortest RTI is 7 days. In addition to the foliar applications, one application via soil drench or soil incorporation may also be applied to cabbage at planting but do not exceed the amount listed above for the soil application used or exceed the combined total of 153.7 fl. oz. (5.01 lbs. a.i.) per acre per year for all applications. DO NOT apply within 20 days of harvest on leafy greens including mustard greens. DO NOT apply within 50 days of harvest on heading vegetables including broccoli. DO NOT apply within 7 days of harvest on cabbage and Chinese cabbage. Turnip roots from turnip plants treated with Omega 500F must not be used for human or livestock consumption. Restricted Entry Interval, REI = 2 days, for workers conducting hand set irrigation activities and 12 hours for all other activities.
Includes all members of Crop Group 5, Brassica	Leafy Vegetables: broccoli, Chinese broccoli, broccoli raab (rapini), Brussels sprouts, cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens. Includes turnip greens.		

Crop	Diseases	Rate Per Acre	Instructions
Bushberry, Subgroup 13-07B,	Twig blight and fruit rot (<i>Phomopsis vaccinii</i>) Anthracnose (Ripe rot) (<i>Colletotrichum acutatum</i>) (<i>C. gloeosporioides</i>) Botrytis fruit rot (<i>Botrytis cinerea</i>)	20 fl. oz. (0.652 lbs. a.i.)	Application Directions: Make applications for fruit rots on a 7- to 10-day interval, corresponding roughly to applications at green tip, pink tip, early bloom, full bloom, blossom drop and small green fruit to some blue fruit. Use adequate water to provide coverage of foliage, flowers and fruit. Restrictions DO NOT apply more than 6 applications of Omega 500F at the rate of 20 fl. oz. (0.652 lbs. a.i.)/A/year. DO NOT use more than 120 fl. oz. of Omega 500F (3.91 lbs. a.i.) per acre per year. DO NOT use an adjuvant in the spray mixture with Omega 500F on this crop. DO NOT apply within 30 days of harvest (30-day PHI). Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 20 fl. oz. (0.652 lbs. a.i.)/A with the shortest RTI of 7 days.
Includes all members of the Subgroup 13-07B, Bushberry: aronia berry, blueberry (highbush and lowbush), Chilean guava, currant (buffalo, black, red, and native), elderberry, European barberry, gooseberry, highbush cranberry, jostaberry, juneberry, lingonberry, salal, sea buckthorn, and cultivars, varieties, and/or hybrids of these.			
Carrot	Southern Blight (<i>Sclerotium rolfsii</i>) Sclerotinia Rot (<i>Sclerotinia sclerotiorum</i>) Alternaria Blight (<i>Alternaria dauci</i>)	16 fl. oz. (0.521 lbs. a.i.)	Application Directions: Make the initial application for control of southern blight and sclerotinia rot approximately 45 days prior to harvest or earlier if disease appears. If required, a second application can be made 14 days after the initial application. Apply in 30 to 50 gallons of water per acre as a directed band spray over the crop. For control of alternaria blight initiate applications when disease conditions are favorable for disease development or when disease symptoms first appear. Repeat applications as needed at a 7-day interval. Restrictions DO NOT make more than 4 applications at the rate of 16 fl. oz. (0.521 lbs. a.i.) of Omega 500F per crop cycle. DO NOT apply Omega 500F on more than 2 crop cycles per acre per year. DO NOT apply more than 8 applications per acre per year. DO NOT apply within 7 days of harvest (7-day PHI). Restricted Entry Interval (REI) = 12 hours. DO NOT apply more than 128 fl. oz. of Omega 500F (4.17 lbs. a.i.) per acre per year (64 fl. oz. (2.085 lbs. a.i.) per acre/crop cycle). The maximum single use rate is 16 fl. oz. (0.521 lbs. a.i.)/A with the shortest RTI of 7 days.

Crop	Diseases	Rate Per Acre	Instructions
Ginseng	Rhizoctonia root rot (<i>Rhizoctonia solani</i>) Alternaria blight (<i>Alternaria panax</i>) Botrytis blight (<i>Botrytis cinerea</i>) White mold (<i>Sclerotinia spp.</i>)	16 to 24 fl. oz. (0.521 to 0.782 lbs. a.i.)	Application Directions: For control of rhizoctonia root rot use 16 fl. oz. (0.521 lbs. a.i.)/A beginning at transplant then continue on a 14-day interval. For control of alternaria blight, botrytis blight, and white mold, use 16 fl. oz. (0.521 lbs. a.i.)/A beginning when the disease first appears or when conditions are favorable for disease development. Repeat applications as needed on a 7- to 14-day interval. Make a uniform application of the fungicide in a minimum of 100 gallons of water per acre. Under conditions favorable for severe disease development, use the 24 fl. oz. rate (0.782 lbs. a.i.). Restrictions DO NOT apply more than 96 fl. oz. of Omega 500F (3.13 lbs. a.i.) per acre per year. DO NOT apply more than 4 applications at the maximum rate of 24 fl. oz./A/year. DO NOT apply more than 6 applications at the low rate of 16 fl. oz./A/year. DO NOT apply within 30 days of harvest (30-day PHI). Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A with the shortest RTI of 7 days.
Lettuce, Head and Leaf	Sclerotinia Drop (<i>Sclerotinia minor</i> , <i>Sclerotinia sclerotiorum.</i>)	16 to 24 fl. oz. (0.521 to 0.782 lbs. a.i.)	Application Directions: Apply Omega 500F at 16 (0.521 lbs. a.i.) to 24 fl. oz. (0.782 lbs. a.i.) per acre as either a foliar band or broadcast spray or as a soil drench application at thinning. Use at least 50 gallons of water per acre. Use the higher rate in fields with a history of moderate to severe disease incidence. Omega may be used with all types of lettuce, however, DO NOT apply after thinning as phytotoxicity may occur. Restrictions DO NOT apply more than one application per acre per crop cycle. DO NOT apply more than 24 fl. oz. (0.782 lbs. a.i.) of Omega 500F per acre per crop cycle. DO NOT apply to more than 4 crop cycles per acre per year, not to exceed 4 applications for a total of 96 fl. oz. of Omega 500F (3.13 lbs. a.i.) per acre per year. DO NOT use an adjuvant with Omega 500F on this crop. DO NOT apply within 30 days of harvest (30-day PHI). For use on lettuce only in the State of Arizona and in the Imperial Valley of California. Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A.

Crop	Diseases	Rate Per Acre	Instructions
Edible-podded Legume Vegetables, Subgroup 6A, except pea Succulent Shelled Pea and Bean, Subgroup 6B, except pea Dried Shelled Pea and Bean, except soybean, Subgroup 6C, except pea	White mold, (<i>Sclerotinia sclerotiorum</i>) Gray mold, (<i>Botrytis cinerea</i>)	8 to 13.6 fl. oz. (0.261 to 0.443 lbs. a.i.)	Application Directions: For control of white and gray molds, make the first application at 10-30% bloom (i.e. when 10-30% of the plants have at least one (1) open bloom). If needed, a second application may be applied 7 to 10 days later. Use adequate water to provide coverage of foliage and flowers. Under conditions favorable for severe disease development, use the 13.6 fl. oz. rate (0.443 lbs. a.i.). Restrictions DO NOT use more than 27.2 fl. oz. of Omega 500F (0.886 lbs. a.i.) per acre per crop cycle. DO NOT apply more than 2 applications at the rate of 13.6 fl. oz. (0.443 lbs. a.i.) per acre per crop cycle. DO NOT apply more than 3 applications at the rate of 8 fl. oz. (0.261 lbs. a.i.) per acre per crop cycle. DO NOT apply to more than 3 crop cycles per acre per year, not to exceed 81.6 fl. oz. of Omega 500F (2.66 lbs. a.i.) per acre per year which allows up to 6 applications at the high rate of 13.6 fl. oz. or 9 applications at the low rate of 8 fl. oz. DO NOT apply within 14 days of harvest for edible-podded and succulent beans (14-day PHI). DO NOT apply within 30 days of harvest for dry and Lima beans (30-day PHI). Restricted Entry Interval, REI = 12 hours. OMEGA 500F may be applied through sprinkler system irrigation equipment on beans. See irrigation use directions preceding this section. The maximum single use rate is 13.6 fl. oz. (0.443 lbs. a.i.)/A with the shortest RTI of 7 days.
Edible-podded Legume Vegetables Subgroup 6A, except pea includes: Bean <i>Phaseolus</i> spp. runner bean, snap bean, wax bean; Bean <i>Vigna</i> spp. asparagus bean, Chinese longbean, moth bean, yardlong bean, jackbean, sword bean. Succulent Shelled Pea and Bean Subgroup 6B, except pea includes: Bean <i>Phaseolus</i> spp. lima bean (green), broad bean (succulent); Bean <i>Vigna</i> spp. blackeye pea, cowpea, southern pea. Dried Shelled Pea and Bean (except soybean) Subgroup 6C, except pea includes dried cultivars of the following beans: Bean <i>Lupinus</i> spp. grain lupine, sweet lupine, white lupine, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean; Bean <i>Vigna</i> spp. adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, rice bean, southern pea, urd bean, broad bean; chick pea, garbanzo bean; guar; lablab bean.			

Crop	Diseases	Rate Per Acre	Instructions
Onion, Bulb Subgroup 3-07A	Botrytis Leaf Blight (<i>Botrytis squamosa</i>) Botrytis Neck Rot (<i>Botrytis allii</i>) Downy Mildew (<i>Peronospora destructor</i>) Purple Blotch (<i>Alternaria porri</i>)	16 fl. oz. (0.521 lbs. a.i.)	Application Directions: Initiate applications when conditions are favorable for disease development or when first disease symptoms appear. Repeat applications on a 7 to 10-day schedule. Use sufficient water to obtain adequate coverage but no less than 5 gallons per acre. Restrictions DO NOT make more than 6 applications of Omega 500F per acre per year. DO NOT apply more than 96 fl. oz. (3.13 lbs. a.i.) of Omega 500F per acre per year. DO NOT use an adjuvant with Omega 500F on this crop. DO NOT apply within 7 days of harvest (7-day PHI). Restricted Entry Interval, REI = 24 hours for hand weeding activities and 12 hours for all other activities. The maximum single use rate is 16 fl. oz. (0.521 lbs. a.i.)/A with the shortest RTI of 7 days. OMEGA 500F may be applied through sprinkler system irrigation equipment on onions. See irrigation use directions preceding this section.
Includes all members of the Subgroup 3-07A, Onion, Bulb, including: daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, Chinese, bulb; onion, pearli; onion, potato, bulb; and cultivars, varieties, and/or hybrids of these.			
Cucurbit Vegetables, Melon Subgroup 9A	Phytophthora Blight (<i>Phytophthora capsici</i>) Downy Mildew (<i>Pseudoperonospora cubensis</i>) Alternaria Leaf Spot (<i>Alternaria cucumerina</i>) Gummy Stem Blight (<i>Didymella bryoniae</i>)	12 to 24 fl. oz. (0.391 to 0.782 lbs. a.i.)	For Phytophthora blight control make the first application at 24 fl. oz. (0.782 lbs. a.i.)/A as a banded soil drench at transplant or when the plants have the first true leaves. Make subsequent foliar applications for Phytophthora blight and downy mildew at 12 to 16 fl. oz. (0.391 to 0.521 lbs. a.i.)/A on a 7 – 10-day interval beginning when disease first appears or when conditions are favorable for disease development. Use the low rate when conditions are favorable for disease development or when disease pressure is low to moderate. Use sufficient water to provide coverage of the foliage. For Phytophthora blight and gummy stem blight, applications need to be directed to provide coverage of the lower stem area. Use the low rate and longest interval for preventative applications and when disease pressure is low. Increase the rate and decrease the interval as disease pressure increases. For high disease pressure use the 24 fl. oz. (0.782 lbs. a.i.) rate on a weekly interval. Restrictions DO NOT apply more than 144 fl. oz. of Omega 500F (4.69 lbs. a.i.) per acre per year. DO NOT apply more than 6 applications of Omega 500F per acre per year. DO NOT apply within 30 days of harvest (PHI = 30 days) Restricted Entry Interval (REI) = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A with the shortest RTI of 7 days. OMEGA 500F may be applied through sprinkler system irrigation equipment on cantaloupe. See irrigation use directions elsewhere on the Omega 500F label.
Includes all members of the Cucurbit Vegetables, Melon Subgroup 9A, including: Citron melon; Muskmelon, including hybrids and/or varieties of <i>Cucumis melo</i> (including true cantaloupe, cantaloupe, casaba, Santa Claus melon, honeydew melon, honey balls, Persian melon, golden pershaw melon, mango melon, pineapple melon, snake melon); and watermelon, including hybrids and/or varieties of <i>Citrullus spp.</i>			

Crop	Diseases	Rate Per Acre	Instructions
Cucurbit Vegetables, Squash/ Cucurbit Subgroup 9B	Phytophthora blight (<i>Phytophthora capsici</i>) Downy mildew (<i>Pseudoperonospora cubensis</i>) Gummy stem blight (<i>Dydymella bryoniae</i>)	12 to 24 fl. oz. (0.391 to 0.782 lbs. a.i.)	For Phytophthora blight control make the first application at 24 fl. oz. (0.782 lbs. a.i.)/A as a banded soil drench at transplant or when the plants have the first true leaves. Make subsequent foliar applications for Phytophthora blight and downy mildew at 12 to 16 fl. oz. (0.391 to 0.521 lbs. a.i.)/A on a 7 – 10-day interval beginning when disease first appears or when conditions are favorable for disease development. Use the low rate when conditions are favorable for disease development or when disease pressure is low to moderate. Use sufficient water to provide coverage of the foliage. For Phytophthora blight and gummy stem blight, applications need to be directed to provide coverage of the lower stem area Use the low rate and longest interval for preventative applications and when disease pressure is low. Increase the rate and decrease the interval as disease pressure increases. For high disease pressure use the 24 fl. oz. (0.782 lbs. a.i.) rate on a weekly interval. Restrictions DO NOT make more than 1 soil application at the 24 fl. oz./A rate/year. DO NOT make more than 4 foliar applications of Omega 500F at the 24 fl. oz./A rate. DO NOT make more than 8 foliar applications of Omega 500F at the 12 fl. oz./A rate. DO NOT apply more than 120 fl. oz. of Omega 500F (3.91 lbs. a.i.) per acre per year. DO NOT apply within 7 days of harvest (PHI = 7 days) Restricted Entry Interval (REI) = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A with the shortest RTI of 7 days. OMEGA 500F may be applied through sprinkler system irrigation equipment on cucurbits. See irrigation use directions elsewhere on the Omega 500F label.
Includes all members of the Cucurbit Vegetables, Squash/Cucurbit Subgroup 9B, including: Chayote (fruit); Chinese waxgourd (Chinese preserving melon) <i>Benincasa hispida</i> ; cucumber; gherkin; edible gourd (<i>Lagenaria</i> spp. i.e. spaghetti squash, hyotan, cucurza), (<i>Luffa acutangula</i> , <i>L. cylindrica</i> i.e. hechina, Chinese okra); Momordica spp.(bitter melon, balsam pear, Chinese cucumber); pumpkin; squash, summer (<i>Cucurbita pepo</i> i.e. crookneck squash, straightneck squash, scallop squash, vegetable marrow, zucchini); winter squash, (<i>Cucurbita maxima</i> ; <i>C. moschata</i> i.e. butternut squash, Calabaza, hubbard squash), (<i>C. mixta</i> ; <i>C. pepo</i> i.e. acorn squash); including hybrids and/or varieties of these.			

Crop	Diseases	Rate Per Acre	Instructions
Fruiting Vegetable, Pepper/ Eggplant Subgroup 8-10B	Phytophthora blight (<i>Phytophthora capsici</i>)	16 to 24 fl. oz. (0.521 to 0.782 lbs. a.i.)	Make the initial application as a soil drench at transplanting at 24 fl. oz. (0.782 lbs. a.i.)/A. Begin foliar applications 7 days after transplant and continue on a 7- to 14-day schedule. For foliar applications use the low rate and longest interval for preventative applications and when disease pressure is low. For moderate disease pressure use the 16 fl. oz. (0.521 lbs. a.i.) rate on a weekly interval. For high disease pressure use the 24 fl. oz. (0.782 lbs. a.i.) rate on a weekly interval. Restrictions DO NOT apply more than 144 fl. oz. of Omega 500F (4.69 lbs. a.i.) per acre per year. DO NOT make more than 6 applications at the 24 fl. oz./A rate/year. DO NOT make more than 9 applications at the 16 fl. oz./A rate/year. DO NOT apply within 30 days of harvest (PHI = 30 days). Restricted Entry Interval (REI) = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A with the shortest RTI of 7 days. OMEGA 500F may be applied through sprinkler system irrigation equipment on peppers. See irrigation use directions elsewhere on the Omega 500F label.
Includes all members of Fruiting Vegetable, Pepper/Eggplant Subgroup 8-10B, including: African eggplant; bell pepper; eggplant; martynia; nonbell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these.			
Peanuts	Sclerotinia blight (<i>Sclerotinia minor</i>)	16 to 24 fl. oz. (0.521 to 0.782 lbs. a.i.)	Application Directions: Apply at 45-70 days after planting or when conditions become conducive to disease development, then make a second application approximately 3-4 weeks later. If disease conditions remain favorable, make a third application approximately 3-4 weeks after the second. If the high rate was used for the first two applications use the low rate for the third application. Restrictions DO NOT use more than 64 fl. oz. of Omega 500F (2.09 lbs. a.i.) per acre per year. DO NOT apply more than 2 applications at the 24 fl. oz. (0.782 lbs. a.i.) rate or 3 applications at the 16 fl. oz. (0.521 lbs. a.i.) rate, or any combination of the two rates, not to exceed 64 fl. oz. (2.09 lbs. a.i.) per acre per year. DO NOT apply within 30 days of threshing for harvest. DO NOT allow livestock to graze in treated areas. DO NOT feed hay or threshings from treated field to livestock. DO NOT apply by aerial application equipment. Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 24 fl. oz. (0.782 lbs. a.i.)/A with the shortest RTI of 21 days. OMEGA 500F may be applied through sprinkler system irrigation equipment. Use 24 fl. oz. of product per acre in solid set, portable wheel move, center pivot, motorized lateral move or traveling gun sprinkler irrigation equipment. See irrigation use directions preceding this section.

Crop	Diseases	Rate Per Acre	Instructions
Tuberous and Corm Vegetables, Subgroup 1C	Late blight (<i>Phytophthora infestans</i>)	5.5 fl. oz. (0.179 lbs. a.i.)	Application instructions: For late blight and white mold control, begin foliar applications when the plants are 6 to 8 inches tall or when conditions favor disease development. Repeat applications at intervals of 7 to 10 days. When white mold pressure is low to moderate, use 5.5 fl. oz. (0.179 lbs. a.i.). When conditions favor moderate to high white mold pressure, increase the rate to 8 fl. oz. (0.261 lbs. a.i.). Restrictions DO NOT apply more than 56 fl. oz. of Omega 500F (1.82 lbs. a.i.) per acre per year. DO NOT apply more than 7 applications at the 8 fl. oz. rate per acre per year. DO NOT apply more than 10 applications at the 5.5 fl. oz. rate per acre per year. DO NOT apply within 14 days of harvest. Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 8 fl. oz. (0.261 lbs. a.i.)/A with the shortest RTI of 7 days. OMEGA 500F may be applied by aerial application (except in the State of New York) or through sprinkler system irrigation equipment on potatoes. See irrigation use directions preceding this section.
	White mold (<i>Sclerotinia sclerotiorum</i>)	5.5 to 8 fl. oz. (0.179 to 0.261 lbs. a.i.)	
Includes all members of Tuberous and Corm Vegetables Subgroup 1C: Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen (taro); ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; yam, true; cultivars, varieties, and/or hybrids of these.			

Crop	Diseases	Rate Per Acre	Instructions
Potatoes (Continued)	Suppression of Powdery Scab (<i>Spongiospora subterranea</i>)	In-furrow 24 to 48 fl. oz. (0.782 to 1.564 lbs. a.i.)	Application Instructions (Planting time treatment): Apply Omega 500F in at least 5 to 10 gallons of water per acre. Use Omega 500F at the 24 fl. oz. (0.782 lbs. a.i.) per acre rate on fields with a history of low levels of powdery scab or with low numbers of spore balls present in the soil. Apply the 48 fl. oz. (1.564 lbs. a.i.) per acre rate to fields with a history of moderate to heavy disease pressure or with moderate to high numbers of spore balls present in the soil. Apply the product in-furrow, over the seed piece, immediately prior to covering over the seed piece with soil. Omega 500F may be applied with a single nozzle placed directly above the seed piece, covering a band of soil approximately 8 inches in width. Alternately, two nozzles may be used. The first nozzle is to be placed directly over the seed piece with the 2nd nozzle directed behind to apply Omega 500F to the soil that will be used to cover the seed piece. Omega 500F will not provide complete control of this disease as the level of control varies according to the spore load in the soil and the cultivar being grown. Omega 500F, will, however, be effective against the pathogen when used as part of a comprehensive disease management program. For best results, apply Omega 500F using methods that maximum coverage of the rhizosphere in immediate proximity to the seed piece. Resistance Management: Some plant pathogens are known to develop resistance to products used repeatedly for disease control. Omega 500F is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides, which are at risk from disease resistance exhibit a single-site mode of fungicidal action. Omega 500F, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Omega 500F in programs that seek to minimize the occurrence of disease resistance to other fungicides. No known resistance has developed to Omega 500F and thus it is an excellent partner for those products which specify the use of a protectant or other fungicide which as a different mode of action. Restrictions DO NOT apply more than 56 fl. oz. of Omega 500F (1.82 lbs. a.i.) per acre per year from all application techniques (In-furrow and foliar). If the in-furrow application is used at the 48 fl. oz. rate (1.564 lbs. a.i.), only one additional foliar application at the 8 fl. oz. rate (0.261 lbs. a.i.) is allowed for that year. If the in-furrow application is used at the 24 fl. oz. rate (0.782 lbs. a.i.), up to 4 additional foliar application at the 8 fl. oz. rate (0.261 lbs. a.i.) are allowed for that year. DO NOT apply within 14 days of harvest. Restricted Entry Interval, REI = 12 hours. The maximum single in-furrow use rate is 48 fl. oz. (1.564 lbs. a.i.)/A. The maximum single foliar use rate is 8 fl. oz. (0.261 lbs. a.i.)/A with the shortest RTI of 7 days.

Crop	Diseases	Rate Per Acre	Instructions
Soybean	White Mold (<i>Sclerotinia</i> <i>Sclerotiorum</i>)	12 to 16 fl. oz. (0.391 to 0.521 lbs. a.i.)	Application instructions: Make the first application of Omega 500F at R1 (early bloom) to R2 (full bloom) stage of development and, if needed, again 10- to 14-days later at early pod formation (R3). As a preventative spray or with conditions favoring low disease pressure use the low rate. For conditions favoring moderate to high disease development use the high rate. Restrictions DO NOT apply more than 32 fl. oz. of Omega 500F (1.04 lbs. a.i.) per acre per year. DO NOT apply more than 2 applications per acre per year. DO NOT allow livestock to graze treated areas. DO NOT feed hay from treated fields to livestock. DO NOT apply after growth stage R3, early pod formation. Restricted Entry Interval, REI = 12 hours. The maximum single use rate is 16 fl. oz. (0.521 lbs. a.i.)/A with the shortest RTI of 10 days. OMEGA 500F may be applied by aerial application to soybeans, except in the State of New York.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of first sale of this product by Seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use, and Buyers and users of this product assume the risk of any use contrary to such directions. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY SELLER IS AUTHORIZED TO DO SO.** To the extent consistent with applicable law, in no event shall Seller's liability for any breach of warranty or guaranty exceed the purchase price of the product as to which a claim is made. Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.

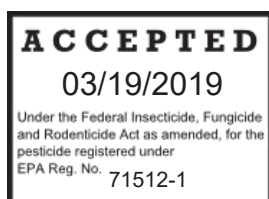
ISK Biosciences Corporation

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Omega 500F 03152019

Supplemental Labeling



SUPPLEMENTAL DIRECTIONS FOR THE USE OF

OMEGA 500F (EPA Reg. No. 71512-1)

FOR SUPPRESSION OF POWDERY SCAB ON POTATOES

This Supplemental Label Expires on March 18, 2022 and must not be used or distributed after this date.

Directions for Use:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DISEASES	PRODUCT RATE PER ACRE
CROP POTATOES	
Powdery Scab (<i>Spongospora subterranea</i>)	24 to 48 fl. oz. (0.782 to 1.564 lbs. a.i.)
APPLICATION DIRECTIONS:	
Application Instructions (Planting time treatment): Apply Omega 500F in at least 5 to 10 gallons of water per acre. Use Omega 500F at the 24 fl. oz. (0.782 lbs. a.i.) per acre rate on fields with a history of low levels of powdery scab or with low numbers of spore balls present in the soil. Apply the 48 fl. oz. (1.564 lbs. a.i.) per acre rate to fields with a history of moderate to heavy disease pressure or with moderate to high numbers of spore balls present in the soil. Apply the product in-furrow, over the seed piece, immediately prior to covering over the seed piece with soil. Omega 500F may be applied with a single nozzle placed directly above the seed piece, covering a band of soil approximately 8 inches in width. Alternately, two nozzles may be used. The first nozzle is to be placed directly over the seed piece with the 2nd nozzle directed behind to apply Omega 500F to the soil that will be used to cover the seed piece. Omega 500F will not provide complete control of this disease as the level of control varies according to the spore load in the soil and the cultivar being grown. Omega 500F, will, however, be effective against the pathogen when used as part of a comprehensive disease management program. For best results, apply Omega 500F using methods that maximum coverage of the rhizosphere in immediate proximity to the seed piece. Resistance Management: Some plant pathogens are known to develop resistance to products used repeatedly for disease control. Omega 500F is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides, which are at risk from disease resistance exhibit a single-site mode of fungicidal action. Omega 500F, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Omega 500F in programs that seek to minimize the occurrence of disease resistance to other fungicides. No known resistance has developed to Omega 500F and thus it is an excellent partner for those products which specify the use of a protectant or other fungicide which as a different mode of action.	

Restrictions

DO NOT apply more than 56 fl. oz. of Omega 500F (1.82 lbs. a.i.) per acre per year from all application techniques (In-furrow and foliar).

If the in-furrow application is used at the 48 fl. oz. rate (1.564 lbs. a.i.), only one additional foliar application at the 8 fl. oz. rate (0.261 lbs. a.i.) is allowed for that year. If the in-furrow application is used at the 24 fl. oz. rate (0.782 lbs. a.i.), up to 4 additional foliar application at the 8 fl. oz. rate (0.261 lbs. a.i.) are allowed for that year.

DO NOT apply within 14 days of harvest.

Restricted Entry Interval, REI = 12 hours.

The maximum single in-furrow use rate is 48 fl. oz. (1.564 lbs. a.i.)/A.

The maximum single foliar use rate is 8 fl. oz. (0.261 lbs. a.i.)/A with the shortest RTI of 7 days.

Omega 500F may be applied by aerial application (except in the State of New York) or through sprinkler system irrigation equipment on potatoes. See irrigation use directions on full label.

NOTE: Use of **Omega 500F** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Omega 500F**.

NOTE: This labeling must be in the possession of the user at the time of pesticide application.

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Warranty and Limitation of Damages: Seller warrants to those persons lawfully acquiring title to this product that at the time of first sale of this product by Seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use, and Buyers and users of this product assume the risk of any use contrary to such directions. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY SELLER IS AUTHORIZED TO DO SO.** To the extent consistent with applicable law, in no event shall Seller's liability for any breach of warranty or guaranty exceed the purchase price of the product as to which a claim is made. Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.