

U.S. ENVIRONMENTAL PROTECTION

Office of Chemical Safety and Pollution Prevention
Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

NOTICE OF PESTICIDE:

X_Registration
__Reregistration
(under FIFRA, as amended)

EPA Reg. Number: Date of Issuance:

7969-300

MAY 1 8 2012

Term of Issuance: Unconditional

Name of Pesticide Product: BAS 650 00F Fungicide

Name and Address of Registrant (include ZIP Code):

BASF Corporation 26 Davis Drive P.O. Box 13528

Research Triangle, NC 27709-3528

Mailed to the attention of Dr. Jeffrey Birk Regulatory Manager

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

Page 1 of 2

Signature of Approving Official:

Date:

MAY 1 8 2012

Marcel Howard

Acting Product Manager 20, Fungicide Branch

EPA Form 8570-6

Notice of Pesticide Registration BAS 650 00F EPA Reg. No. 7969-300 Page 2 of 2

On page 1,

2. Change the product registration number to 7969-300.

On page 4,

3. Within the Storage and Disposal box, second paragraph, insert a less than or equal to symbol (≤) in the first sentence replacing the box (□) currently present between "capacity" and "5 gallons".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. Submit one copy of the revised final printed label for the record before the product is released for shipment.

The basic and alternate CSF A; both dated 1/4/12, are acceptable and will be added to the regulatory file. A copy of the label stamped "Accepted with Comments" is enclosed for your records. If you have any questions, please contact Shaunta Hill at 703-347-8961 or hill.shaunta@epa.gov or myself at 703-305-6784 or howard.marcel@epa.gov.

Sincerely,

Marcel Howard

Acting Product Manager 20

Yaraf Coward

Fungicide Branch

Registration Division (7505P)

Enclosure: Label stamped "Accepted with Comments" Product Chemistry review Acute Toxicity review



Group

45

Fungicide

BAS 650 00 F fungicide

For disease control in the following crops: Brassica leafy vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, grapes, hops, leafy vegetables, and tuberous and corm vegetables

Active Ingredient*:

* Equivalent to 1.67 pounds ametoctradin per gallon

EPA Reg. No. 7969-GNN

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

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

See inside for additional First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

ACCEPTED with COMMENTS In EPA Letter Dated

MAY 1 8 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

Net Contents:

BASF Corporation 26 Davis Drive, Research Triangle Park, NC 27709

	FIRST AID
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 a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	 Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. 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.
	HOTLINE 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 BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. 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.

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. For more options, refer to **Category A** on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene, and/or barrier laminate)
- · Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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

DO NOT apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

Groundwater

Ametoctradin and its degradates have properties and characteristics associated with chemicals detected in groundwater. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water

Ametoctradin and its degradates may impact surface water quality through spray and runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. Ametoctradin and its degradates are classified as having high-to-medium potential for reaching surface water via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of ametoctradin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

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), notification to workers, 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.

PPE required for early entry into 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
- Chemical-resistant gloves, made of any waterproof material (such as nitrile, butyl, neoprene, and/or barrier laminate)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, well-ventilated area. **DO NOT** allow to become overheated in storage. Keep container closed when not in use.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

(continued)

STORAGE AND DISPOSAL (continued)

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity □ 5 gallons) 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 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.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

• CHEMTREC 1-800-424-9300

BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to be taken in case material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

This package contains **BAS 650 00 F fungicide**, a suspension concentrate (SC) with the active ingredient ametoctradin. The active ingredient in **BAS 650 00 F** is a strong inhibitor of mitochondrial respiration in complex III (cytochrome bc1) of Oomycetes fungi. Preventive applications optimize disease control. To maximize disease control, apply **BAS 650 00 F** in a regularly scheduled protective spray program and use in a rotation program with other fungicides.

BAS 650 00 F is not for use in greenhouse or transplant production.

Mode of Action

BAS 650 00 F contains the active ingredient ametoctradin. Ametoctradin, a strong inhibitor of mitochondrial respiration in complex III (cytochrome bc1) of Oomycetes fungi, is classified as a Group 45 fungicide.

Resistance Management

BAS 650 00 F contains ametoctradin, a Group 45 fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of target site Group 45.

Fungal isolates resistant to **Group 45** fungicides may eventually dominate the fungal population if **Group 45** fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species, especially if resistance to **Group 45** fungicides is already present in the pathogen population. This may result in reduction of disease control by **BAS 650 00 F** or other **Group 45** fungicides.

To maintain the performance of BAS 650 00 F in the field, DO NOT exceed the total number of sequential applications of BAS 650 00 F per season stated in the Restrictions and Limitations section and Table 2. BAS 650 00 F fungicide Crop-specific Requirements. Adhere to the label instructions regarding the consecutive use of BAS 650 00 F or other target site of action Group 45 fungicides that have a similar site of action on the same pathogen.

Resistance Management Advisory

The following recommendations may be considered to delay the development of fungicide resistance:

- Tank mixtures Use tank mixtures with effective fungicides from different target site of action groups that are registered/permitted for the same use and that are effective against the pathogens of concern. Use at least the minimum labeled rates of each fungicide in the tank mix.
- 2. IPM Integrate BAS 650 00 F fungicide into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or BASF representative for additional IPM strategies established for your area. BAS 650 00 F may be used in agricultural extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.
- 3. Monitoring Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development. If a Group 45 target site fungicide, such as BAS 650 00 F, appears to be less effective against a pathogen that it previously controlled or suppressed, contact a BASF representative, local extension specialist, or certified crop advisor for further investigation.

Application Instructions

Apply rates of BAS 650 00 F as instructed in Table 2. BAS 650 00 F fungicide Crop-specific Requirements. Apply BAS 650 00 F with ground sprayer, aerial equipment or through sprinkler irrigation equipment. Check equipment frequently for calibration.

Under low-level disease conditions, use the minimum application rates; use maximum application rates and shortened spray schedules for severe or threatening disease conditions. Maximum benefit of BAS 650 00 F from foliar applications requires thorough coverage of the plant.

Cleaning Spray Equipment

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with potential to injure crops was used prior to **BAS 650 00 F**.

Ground Application

Apply **BAS 650 00 F** in sufficient water to ensure thorough coverage of foliage, blooms, and fruit. Thorough coverage is required for optimum disease control. Unless otherwise specified in this label, use no less than 20 gallons of spray solution per acre.

Instructions for Directed or Banded Crop Sprays

The application rates shown in Table 1. BAS 650 00 F fungicide Restrictions and Limitations Overview and Table 2. BAS 650 00 F fungicide Crop-specific Requirements pertain to both aerial and ground (broadcast) methods of application. BAS 650 00 F may also be applied as a directed or banded spray over the rows or plant beds, with alleys or row middles left unsprayed. For such uses, reduce the rate of BAS 650 00 F in proportion to the area sprayed. Make this adjustment to prevent applying the product at use rates higher than permitted on this label.

The following formula may be used to determine the broadcast-equivalent rate for directed or banded sprays:

Example: A directed spray application will be made to 45-inch plant beds separated by 15 inches of unsprayed row middles.

45 inches sprayed bed width + 15 inches unsprayed row middles = 60 inches total row width

The calculations to determine the appropriate equivalent rate of product to use for this situation based on a label broadcast rate of 12 fl ozs/acre follows:

Aerial Application

Use no less than 5 gallons of spray solution per acre to ensure thorough coverage of plant foliage. **DO NOT** apply when conditions favor drift from target area. Because complete coverage is important for effective disease control, aerial application may result in reduced control because of lack of canopy penetration and coverage.

Spray Drift Management

DO NOT spray when conditions favor drift beyond area intended for application. Conditions that may contribute to drift include thermal inversion, wind speed and direction, spray nozzle/pressure combinations, spray

droplet size, temperature/humidity, etc. Contact your state extension agent for spray drift prevention guidelines in your area. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers. Avoiding spray drift at the application site is the responsibility of the applicator.

Aerial Application Methods and Equipment

The interaction of many equipment-related and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

DO NOT apply under circumstances where possible drift to unprotected persons, to food, forage, or other plantings that might be damaged, or crops thereof rendered unfit for sale, use or consumption can occur.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements **DO NOT** apply to forestry applications, public health uses or to applications using dry formulations.

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the fixed wingspan or 90% of rotor blade diameter.
- Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the aerial drift reduction advisory information.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. Use the largest droplet size consistent with acceptable efficacy. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see Wind; Temperature and Humidity; and Temperature Inversions).

Controlling droplet size:

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure DO NOT exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

- Number of Nozzles Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Wind

Drift potential is lowest when wind speed does not exceed 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

Low humidity and high temperatures increase the evaporation of spray droplets and, therefore, the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures. When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing that causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions because of the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light-tono wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. bodies of water or nontarget crops) is minimal and when wind is blowing away from the sensitive areas.

Directions For Use Through Sprinkler Irrigation Systems

Sprayer Preparation

Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Application Instructions

Apply BAS 650 00 F fungicide at rates and timings as required in this label.

Use Precautions for Sprinkler Irrigation Applications

- Apply BAS 650 00 F only through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems. DO NOT apply this product through any other type of irrigation system.
- . Add BAS 650 00 F to the pesticide supply tank containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop. DO NOT exceed 1/2 inch (13,577 gallons) per acre. In stationary or noncontinuous moving systems, inject the product-water mixture in the last 15 to 30 minutes of each set allowing sufficient time for all of the required pesticide to be applied by all the sprinkler heads and applying the labeled rate per acre for that crop. DO NOT apply when wind speed favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. Thorough coverage of foliage is required for good control. Maintain good agitation during the entire application period.
- Contact a state extension service specialist, equipment manufacturers or other experts for calibration questions.
- The system must contain a functional check valve, vacuum-relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- 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 pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid

- from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a
 positive displacement injection pump (e.g. diaphragm
 pump), effectively designed and constructed of
 materials that are compatible with pesticides and
 capable of being fitted with a system interlock.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- DO NOT connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide labelprescribed safety devices for public water systems are in place.

Specific Instructions for Public Water Systems

- 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 out of the year.
- 2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid

- from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Additives and Tank Mixing Information

BAS 650 00 F fungicide can be tank mixed with most recommended fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives as specified in Table 2. BAS 650 00 F fungicide Crop-specific Requirements.

The use of additives or adjuvants may improve the performance of BAS 650 00 F. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing BAS 650 00 F with other products. Therefore, before using any tank mix (fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

When an adjuvant (or a specific adjuvant product, such as a drift control agent) is to be used with this product, BASF recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant.

Consult a BASF representative or local agricultural authorities for more information concerning additives.

Mixing Order

- 1. Water Begin by agitating a thoroughly clean sprayer tank 3/4 full of clean water.
- Agitation Maintain constant agitation throughout mixing and application.
- Inductor If an inductor is used, rinse it thoroughly after each component has been added.
- 4. Products in PVA bags Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.

- Water-dispersible products (such as BAS 650 00 F, dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
- 6. Water-soluble products
- Emulsifiable concentrates (such as oil concentrates when applicable)
- 8. Water-soluble additives (such as ammonium sulfate [AMS] or urea ammonium nitrate [UAN] when applicable)
- 9. Remaining quantity of water

Make sure each component is thoroughly mixed and suspended before adding tank mix partners. Maintain constant agitation during application. See Table 2. BAS 650 00 F fungicide Crop-specific Requirements for more details.

Restrictions and Limitations

- DO NOT exceed the maximum seasonal use rate, the
 maximum rate per application, or the total number of
 applications of BAS 650 00 F per season as stated in
 Table 2. BAS 650 00 F fungicide Crop-specific
 Requirements. Preharvest Interval (PHI) restrictions
 are also included in this table.
- DO NOT use BAS 650 00 F in greenhouse or transplant production.
- Tank Mixtures When tank mixing, observe the most restrictive tank mix limitations and precautions of all products used in the tank mixture.
- Crop Rotation Restriction Crops listed on the BAS 650 00 F label may be planted immediately following the last application. All other crops can be planted 14 days after the last application.

Crop Group**	Maximum Product Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Brassica Leafy Vegetables Group	21	2.	63	0
Bulb Vegetables Group	.21	2	63	0
Cucurbit Vegetables Group	21	2	63	0
Fruiting Vegetables Group	21	2	63	4
Grapes	21	2	84	14
Hops	21	2	63	7
Leafy Vegetables Group (except Brassica)	21	2	63	0
Tuberous and Corm Vegetables Subgroup	21	2	63	4

^{*} See Table 2. BAS 650 00 F fungicide Crop-specific Requirements for complete directions.

^{**} For a complete list of crops within a crop group, see Table 2. BAS 650 00 F fungicide Cropspecific Requirements.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Brassica Leafy Vegetables Group Head and Stem	Downy mildew (Peronospora parasitica)	21	2	63	0
Broccoli Brussels sprouts					
Cabbage Cauliflower					
Cavalo broccolo					
Chinese broccoli Chinese cabbage (Napa)					
Chinese mustard Kohlrabi					
Leafy Broccoli raab Chinese cabbage (Bok choy)					
Collards Kale Mizuna					
Mustard greens Mustard spinach Rape greens					

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Bulb Vegetables Group	Downy mildew (Peronospora destructor)	21	2	63	0
Garlic Garlic, great- headed Leek Onion, dry bulb Onion, green Onion, Welsh Shallot					

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Cucurbit Vegetables Group	Downy mildew (Pseudoperonospora cubensis)	21	2	63	0
Includes all types and hybrids of:	Phytophthora blight or Crown rot (Phytophthora capsici)				
Cantaloupe Chayote Chinese waxgourd Citron melon Cucumber Edible gourds Gherkin Muskmelon Pumpkin Summer squash Watermelon Winter squash Zucchini					
Momordica spp. (Includes: Balsam apple Balsam pear Bitter melon Chinese cucumber)					

For *Phytophthora capsici*, begin applications when plants are 4- to 6-inches high or prior to the onset of disease infection and spray to runoff.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Fruiting Vegetables Group	Late blight (Phytophthora infestans)	21 2	63	4	
Eggplant Ground cherry Pepino Pepper (all varieties) Tomatillo Tomato	Phytophthora blight or Crown rot (Phytophthora capsici)				

Spray volume should be proportional to the amount of plant tissue to be covered such that 100 gallons of spray per acre are used on mature plants.

For *Phytophthora capsici*, begin applications when plants are 4- to 6-inches high or prior to the onset of disease infection and spray to runoff. The minimum application interval is 5 days.

Resistance Management. To limit the potential for development of resistance, DO NOT make more than three (3) applications of BAS 650 00 F per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Grapes	Downy mildew (Plasmopara viticola)	16 to 21	2	84	14

Resistance Management. To limit the potential for development of resistance, DO NOT make more than four (4) applications of BAS 650 00 F per season.

DO NOT make more than two (2) sequential applications of **BAS 650 00 F** before alternating to a labeled fungicide with a different mode of action.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Hops	Downy mildew (Pseudoperonospora humili)	16 to 21	2	63	7

Application Directions. Begin applications of **BAS 650 00 F** prior to disease development and continue on a 7-day interval. Use the higher rate when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Leafy Vegetables Group (except Brassica)	Downy mildew (Bremia lactuca)	21	2	63	0
Amaranth Arugula Cardoon Celery Celery, Chinese Celtuce Chervil Chrysanthemum , edible-leaved and garland Corn salad Cress, garden and Upland Dandelion Dock Endive Fennel, Florence Lettuce, head and leaf Orach Parsley Purslane, garden and winter Radicchio, red chicory Rhubarb Spinach Spinach Spinach New Zealand and vine Swiss chard					

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Tuberous and Corm Vegetables Subgroup	Late blight (Phytophthora infestans)	16 to 21	2	63	4
Arracacha Arrowroot Chinese artichoke Jerusalem artichoke Cassava, bitter and sweet Chayote, root Chufa Dasheen Edible canna Ginger Leren Potato Sweet potato Tanier True yam Turmeric Yam bean					

Application Directions. Begin applications of BAS 650 00 F prior to disease development and continue on a 5- to 7-day interval. Use the higher rate and shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See Additives and Tank Mixing Information and Mixing Order sections. Consult local late blight advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.

May be applied after vine kill.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **BAS 650 00 F** per season.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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