

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 20, 2021

Don O'Shaughnessy, Ph.D. President DOC Inc. Agent for Agria S.A. c/o D. O'Shaughnessy Consulting, Inc. 206 Traditions Blvd. Bowling Green, KY 42103

Subject: Label Amendment – Addition of suppression of pear psylla nymphs; addition of resistance management language; and other minor formatting. Product Name: Fortuna 75 WDG Fungicide EPA Registration Number: 89333-1 Application Date: 11/21/2020 Decision Number: 568183

Dear Dr. O'Shaughnessy:

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.

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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 with FIFRA section 6. If you have any questions, please contact Senedu Alemu by phone at 703 305-6178, or via email at <u>alemu.senedu@epa.gov</u>.

Sincerely, Cfgiles-Parker

Cynthia Giles-Parker, Chief Fungicide Branch Registration Division (7505P)

Enclosure -stamped "accepted" label

MANCOZEB GROUP

M3 FUNGICIDE



# Fortuna<sup>™</sup> 75 WDG Fungicide

#### ACTIVE INGREDIENT

Mancozeb (a coordination product of zinc ion and manganese

OTHER INGREDIENTS

 ethylenebisdithiocarbamate)
 15.0%

 zinc
 1.9

zinc ..... ethylenebisdithiocarbamate ion 75.0 %

<u>25.0%</u> 100.0 %



Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89333-1

KEEP OUT OF REACH OF CHILDREN

58.1%

# CAUTION

#### **FIRST AID** 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 eye open and rinse slowly and gently with water for 15 to 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Call 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC at 1-800-424-9300.

EPA Reg. No. 89333 - 1

EPA Est. No. 88475-BGR-1

Net Contents \_\_\_\_\_

Batch No. \_\_\_\_\_

Produced by: AGRIA S.A. Asenovgradsko Shose Plovdiv 4009, Bulgaria Tel. +1 270 537-5139 Product of Bulgaria

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### **Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are nitrile rubber, natural rubber, or butyl rubber.

#### Mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt
- long pants
- shoes and socks
- chemical-resistant gloves made of any waterproof material.

In addition, for aerial application of Fortuna 75 WDG Fungicide on broccoli, cabbage, lettuce (leaf and head), and peppers, occupational handlers performing mixing / loading operations must wear a particulate respirator with an N, R, P or HE filter NIOSH approval prefix TC-84-A.

For walnut applications, mixers and loaders must wear a dust/mist filtering respirator (MSHA / NIOSH approval number TC-84-A) or a NIOSH approved respirator with any N, R, P, or HE filter.

For potato seed piece treatment, handlers must wear a particulate respirator with an N, R, P or HE filter NIOSH approval prefix TC-84-A.

See engineering controls for additional requirements.

#### **User Safety Requirements**

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

#### **Engineering Controls**

**Enclosed Cockpits:** Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)]. When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Mechanical Flagging Engineering Controls:** Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

# Users should:

# **User Safety Recommendations**

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

This pesticide is toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters or rinsate. Cover or incorporate spilled treated seed.

# DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 24 hours.

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

Coveralls

- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

#### **Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Commercial seed treatments and applications to lawn grasses, golf courses, industrial (office park), and municipal lawns are not within the scope of the Worker Protection Standard. Do not enter or allow others to enter treated areas until sprays have dried.

#### FUNGICIDE RESISTANCE MANAGEMENT

For resistance management, Fortuna 75 WDG Fungicide contains a Group M3 fungicide . Any fungal population may contain individuals naturally resistant to mancozeb and other Group M3 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/bactericide resistance, take one or more of the following steps:

- Rotate the use of Fortuna 75 WDG Fungicide or other Group M3 fungicides within a growing season sequence 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.
- For further information or to report suspected resistance contact Agria S.A.at https://agria-zenithcropsciences.com/en/. You can also contact your pesticide distributor or university extension specialist to report resistance.

#### **INSTRUCTIONS FOR USE**

FORTUNA Fungicide is a broad-spectrum fungicide for use on outdoor and greenhouse-grown crops and ornamentals. A regularly scheduled preventative spray program will provide optimal control. An agricultural surfactant labeled for use with fungicides will enhance performance by providing a more uniform foliar coverage, and enhanced fungicide retention during wet weather.

#### **APPLICATION INSTRUCTIONS**

**AS A SPRAY** (Ground or Aerial Equipment) - Apply FORTUNA 75 WDG FUNGICIDE at the rate shown; use sufficient water to provide thorough coverage: use 20 to 100 gallons per acre for ground equipment and no less than 2 gallons per acre for aircraft. Add FORTUNA 75 WDG FUNGICIDE slowly to water in the spray tank with agitation, or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Continuous agitation is required to keep the product in suspension. A spreader-sticker spray adjuvant may be used with this product if needed; contact your local product distributor for specific recommendations. If tank mixed, follow more restrictive labeling of any tank mix partner. Do not tank mix with any product that contains a prohibition on tank mixing.

#### **Disease Monitoring**

FORTUNA 75 WDG Fungicide is a broad-spectrum fungicide. Scout crops on a weekly basis If not applied on a routine protectant spray schedule.

Apply this product at the required label use rate and spray schedule, at the first sign of disease, report of disease in the area, or during environmental conditions favorable for disease development.

#### Foliar Applications

#### RESTRICTIONS

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season:

If more than one product containing an EBDC active ingredient (maneb, mancozeb or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season:

If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active

ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

#### SEED TREATMENT

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops which have registered seed treatment uses.

#### **Chemigation**

#### **Sprinkler Irrigation**

This product must be applied on a regular protectant fungicide schedule, not on an irrigation schedule. If irrigation cycles are less frequent than specified application intervals on this label, ground or aerial applications must supplement chemigation applications to achieve adequate disease control.

#### **Chemigation Requirements**

• Apply FORTUNA 75 WDG Fungicide only through sprinkler irrigation systems including centerpivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply product through any other type of irrigation system.

• Crop injury, lack of fungicidal effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

• If you have questions about calibration, you should contact a State Extension Service specialist, equipment manufacturers, or other experts.

• Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water system are in place.

• A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### Specific Instructions for Public Water Systems:

1. 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, reducedpressure zone, backflow 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.

3. 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.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### Specific Instructions for Sprinkler Irrigation Systems:

1. 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.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated 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.

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

5. 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.

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.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

8. Good agitation is required in the injection tank.

9. In moving systems, apply specified dosage of FORTUNA 75 WDG FUNGICIDE as a continuous injection. In non-moving systems inject FORTUNA 75 WDG FUNGICIDE for 15 to 30 minutes at end of cycle. Use the least amount of water possible consistent with uniform coverage. 10. Mix the amount of FORTUNA 75 WDG FUNGICIDE needed for acreage to be treated into the quantity of water determined during prior calibration. For moving systems inject into the system continuously for one complete revolution of the field. For non-moving systems inject into system for the time established during calibration.

11. Stop injection equipment after treatment is completed and continue to operate irrigation equipment until all FORTUNA 75 WDG FUNGICIDE is flushed from system.

#### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

#### Wind Speed

Do not apply at wind speeds greater than 15 mph.

#### **Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### **Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

#### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### Additional requirements for aerial applications:

• The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

# Additional requirements for ground boom application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

CROP AND RATE TABLE			
CROP	DISEASES CONTROLLED	RATE OF FORTUNA 75 WDG (LB / ACRE) PER APPLICATION	TIMING / INTERVALS
Almond	Anthracnose Blossom Blight (Monilinia spp.) Shothole (Stigmina spp.) Rust Scab	6.4	Begin application at dormant to popcorn stage, full bloom or petal fall. Reapply every 7 to 10 days if bloom is staggered and weather is rainy. Do not use less than 10 gallons of spray volume per acre if aerially applied.
RESTRICTIONS Do not apply more that than 5 weeks after pet not apply this product	al fall. Do not graze live	lbs. ai) per acre p stock in treated a	er use season. Do not make last application later rea. Minimum retreatment interval is 7 days. Do
Asparagus	Cercospora Leaf Spot, Rust	2	Start applications when rust first appears and repeat at 10 day intervals.
	gus ferns after spears ha		d. Do not apply within 180 days of harvest in all lbs product (6 lbs active) per acre per season.
Banana (Including Plantain)	Sigatoka	2-3	Apply when leaves first appear and repeat every 14 to 21 days if needed. Use sufficient water to provide adequate coverage.
RESTRICTIONS Do not apply more tha days.	an 30 lbs product (22.5 lk	os active) per acre	e per growing cycle. Minimum preharvest interval 0
Barley, Oat, Rye, Wheat (Including Triticale)	Helmintho- sporium Leaf Spot, Leaf Rust, Septoria Glume Blotch, Septoria Leaf Spot, Tan Spot	2	Start application at onset of disease or when plants are in the tillering to jointing stage and repeat at 7 to 10 day intervals.
per crop. Do not apply PHI for barley, rye, and	y within 26 days of harve	st. th Stage 10.5 (typ	pply more than 6 lbs product (4.5 lbs active) per acre ically 35-45 days), but no less than 26 days. Do not
Broccoli	Alternaria Leaf Spot Downy Mildew	1.6-2.1	Begin applications prior to disease development and when conditions are favorable for disease development. Apply at 7 to 10-day intervals, if needed. Use higher specified rates when conditions favor disease.
Minimum preharvest i Aerial application of F mixing/loading operat	interval is 7 days. Do no ortuna 75 WDG Fungici ional handlers performin	t apply this produ de on broccoli rec g mixing/loading	season. Minimum retreatment interval is 7 days. ct with a U-boom device. juires that occupational handlers performing operations observe the additional mitigation filter, NIOSH approval prefix TC 84-A.

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Cabbage	Alternaria Leaf Spot Downy Mildew	1.6-2.1	Begin applications prior to disease development and when conditions are favorable for disease development. Apply at 7 to 10-day intervals, if needed. Use higher specified rates when conditions favor disease.
Minimum preharvest in Aerial application of For mixing/loading operation	nterval is 7 days. Do no ortuna 75 WDG Fungicio onal handlers performin	t apply this produ le on cabbage re g mixing/loading	season. Minimum retreatment interval is 7 days. Ict with a U-boom device. quires that occupational handlers performing operations observe the additional mitigation filter, NIOSH approval prefix TC 84-A.
Corn Sweet Corn for Fresh Use or Processing; Popcorn; and Sweet Corn for Seed Production, including Hybrid Seed	Common Rust, Helminthosporium Leaf Blight, Gray Leaf Spot	1.5	Use sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4 to 7 day intervals.
	lays of harvest. Do not a AR and LA. Do not appl AR and LA. ivestock.		22.5 lbs product (17 lbs active) per acre per crop east bs product (5.6 lbs active) per acre per crop west of
Field and Field Corn for Hybrid Seed Production	Common Rust, Helminthosporium Leaf Blight, Gray Leaf Spot	1.5	Use sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4 to 7 day intervals.
RESTRICTIONS Do not apply within 40 Do not feed forage to l		t apply more thar	n 15 lbs product (11.25 lbs active) per acre per crop.
Cranberry	Fruit Rot	3-6	Start applications at mid-bloom and repeat at 7 to 10 day intervals.
RESTRICTIONS Do not apply within 30 season.	days of harvest. Do no	t apply more thar	18 lbs product (13.5 lbs active) per acre per
Cucumber	Anthracnose, Cercospora Leaf Spot, Downy Mildew, Gummy Stem Blight, Scab	2-3	Start applications when plants are in the two- leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces.
RESTRICTIONS / CO Do not apply within 5 c not make more than 8	days of harvest. Do not	apply more than	24 lbs product (18 lbs active) per acre per crop. Do
<u>Cucurbit crop</u> group: Chayote Chinese wax gourd	Anthracnose, Cercospora Leaf Spot, Downy Mildew, Gummy Stem Blight,	2-3	Start applications when the plants are in the two- leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces. For aerial applications, the minimum spray volume is 2 gallons per acre.

Citron melon Cucumber Gherkin Gourd, edible Momordica spp. Muskmelon Pumpkin Squash, Summer Squash, Winter Watermelon RESTRICTIONS Do not apply more tha	Scab, Alternaria Leaf Spot	2 lbs. active ingre	dient) per acre per year. Do not make more than 8
	Early Blight, Late Blight		Begin in plant beds at emergence. Repeat at 7 to
RESTRICTIONS / CC Do not apply within 14 Do not graze livestocl	DMMENTS: 4 days of harvest. Do no	t apply more thar	10 day intervals. 16 lbs product (12 lbs active) per acre per crop.
Ginseng	Alternaria Blight	2	Start applications when disease first threatens and repeat every 7 to 10 days as needed.
	Do not apply within 30 da		per acre per year. Do not apply more than 12 Wisconsin, apply with ground equipment and a Apply in sufficient water to provide thorough coverage starting when new shoots are 1/2 to 1
Mountains)	Deadarm, Downy Mildew		1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and then at 7 to 10 day intervals until fruit is set. For late season control of black rot, deadarm and downy mildew, the use of other approved fungicides is suggested.
RESTRICTIONS Do not apply within 66	δ days of harvest. Do no	t apply more thar	a 24 lbs (18 lbs active) per acre per season.
Grapes (West of the Rocky Mountains)	Black Rot, Bunch Rot, Deadarm, Downy Mildew	1.5-2.5	Apply in sufficient water to provide thorough coverage starting when new shoots are 1/2 to 1 1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and then at 7 to 10 day intervals until fruit is set. For late season control of black rot, deadarm and downy mildew, the use of other approved fungicides is suggested.
	6 days of harvest except an 7.5 lbs product (5.6 lb		application can be made after bloom. a per season.
Lettuce (Head, Leaf)	Anthracnose Downy Mildew	1.6-2.1	Begin applications prior to disease development and when conditions are favorable for disease development. Apply at 7 to 10 day intervals, if needed. Use higher specified rates when conditions favor disease.
	n head lettuce by strippin		ancozeb)/A/ crop and do not apply within 14 days of

In states other than California, do not apply more than 12.8 lbs product (9.6 lbs mancozeb)/A/crop and do not apply within 10 days of harvest.

For all states: minimum retreatment interval is 7 days. Do not apply this product with a U-boom device. Aerial application of Fortuna 75 WDG Fungicide on lettuce (leaf and head) requires that occupational handlers performing mixing/loading operational handlers performing mixing/loading operations observe the additional mitigation measures of wearing a particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.

<b>Melon:</b> Cantaloupe, Casaba, Crenshaw, Honeydew, Watermelon	Alternaria Leaf Spot, Anthracnose, Downy Mildew, Gummy Stem Blight, Cercospora Leaf Spot	2-3	Start applications when plants are in the two-leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces. Some varieties are sensitive to FORTUNA 75 WDG fungicide. Consult State Cooperative Extension Service Specialist prior to use.
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#### RESTRICTIONS

Do not apply within 5 days of harvest. Do not apply more than 24 lbs product (18 lbs active) per acre per season. Do not make more than 8 applications per year.

Some cantaloupe varieties (i.e. Harvest Queen, Gold Star, Super Star, Sweet and Early, and Saticoy) are sensitive to Fortuna 75 WDG Fungicide. Consult State Cooperative Extension Service Specialist prior to use.

Onion (Dry Bulb), Garlic, Shallot	Botrytis Leaf Blight, Downy Mildew, Neck Rot, Burgle Blotch	3	Follow a protective spray schedule starting when diseases are first reported in the area and repeat at 7 day intervals throughout the season.
	Purple Blotch		

#### RESTRICTIONS

Do not apply within 7 days of harvest. Do not apply to exposed bulbs. Do not exceed 30 lbs product (22.5 lbs ai) per acre per crop.

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#### RESTRICTIONS

Do not use more than 2.25 lbs active per acre (29,000 linear feet of furrow) with an 18 inch row spacing.

Papaya	Anthracnose (Colletotricum), Phytophthora Fruit Rot, Black Spot (Cercospora)	2.0-2.5 (minimum 50 gals per acre)	Begin at flowering; treat central column crown, blossom area and developing fruit. Repeat at 14 to 21 day intervals.		
	RESTRICTIONS Do not use more than 37 lbs product (28 lbs active) per acre per year, i.e. do not make more than 14 applications				

per year. Minimum pre-harvest interval 0 days.

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Peanut	Ascochyta Web Blotch, Cercospora Leaf Spot, Rust	1-2	Start application when disease first appears or is reported in area. Repeat sprays at 7 to14 day intervals. Reduce sprays to a 7 day interval during humid weather.
RESTRICTIONS Do not apply within 14 days of harvest. Do not use more than 16 lbs product (12 lbs active) per acre per crop. Do not feed treated vines to livestock.			
Pepper west of the Mississippi	Anthracnose Bacterial Spot (Xanthomonas axonopodis pv.	1.6-2.1	Begin applications prior to disease development and when conditions are favorable for disease development. Apply at 7 to 10 day intervals, if

Minimum preharvest i Aerial application of F mixing/loading operati	nterval is 7 days. Do no ortuna 75 WDG Fungicio ional handlers performin	t apply this produ de on peppers, re g mixing/loading (	needed. Use higher specified rates when conditions favor disease. crop. Minimum retreatment interval is 7 days. ct with a U-boom device. quires that occupational handlers performing operations observe the additional mitigation	
measures of wearing a Pepper east of the Mississippi	a particulate respirator w Anthracnose Bacterial Spot (Xanthomonas axonopodis pv. vesicatoria) Cercospora Leaf Spot (Frogeye Spot) Phytophthora Blight Ripe Rot	/ith an N, R, or P 1.6-3.2	filter, NIOSH approval prefix TC 84-A. Begin applications prior to disease development and when conditions are favorable for disease development. Apply at 7 to 10 day intervals, if needed. Use higher specified rates when conditions favor disease.	
Minimum preharvest i Aerial application of F mixing/loading operati	RESTRICTIONS Do not apply more than 19.2 lbs product (14.4 lbs mancozeb)/A/crop. Minimum retreatment interval is 7 days. Minimum preharvest interval is 7 days. Do not apply this product with a U-boom device. Aerial application of Fortuna 75 WDG Fungicide on peppers, requires that occupational handlers performing mixing/loading operational handlers performing mixing/loading operations observe the additional mitigation measures of wearing a particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.			
Pome Fruit Apple, Pear, Crabapple, Quince <u>Pre-bloom / bloom</u> <u>use</u>	Rusts, Scab, Fabrea Leaf Spot Pear psylla nymphs (supression only)**	6.0	Pre-Bloom/BloomUse: Begin application at 1/4 to 1/2 inchgreen tip and continue on a 7 to 10 dayschedule through bloom. Use either the "Pre-Bloom/Bloom" or "Extended Application"schedule.DO NOT COMBINE OR INTEGRATE THETWO TREATMENT SCHEDULESMaximum per acre use rate based onthorough coverage dilute sprays.Use 50 gal minimum per acre.Consult State Extension Service if necessaryto adjust for variable tree size	
RESTRICTIONS Do not apply more than 6 lbs product (4.5 lbs active) per acre per application. Do not apply after bloom. Do not apply more than 24 lbs (18 lbs active) per acre per year. Do not graze livestock in treated areas. It is recommended that this product be used in an Integrated Pest Management Program. **ADDITIONAL RESTRICTIONS FOR USE FOR PEAR PSYLLA NYMPH SUPPRESSION Do not combine this use with the "Extended Application Schedule" use below. Do not apply within 77 days of harvest. Do not apply by aerial or application or through any type of irrigation system. Do not graze livestock in treated areas.				
<b>Pome Fruit</b> Apple, Pear, Crabapple, Quince	Rusts, Scab, Fabrea Leaf Spot	3.0	<b>Extended Application Schedule or for</b> <b>Use in Tank Mixtures:</b> For implementation of IPM programs, applications based on tree- row volume, or for use as a resistance management tool: begin applications at 1/4 to	

Extended Application Schedule or for Use in Tank Mixtures:			<ul> <li>1/2 inch green tip and continue applications on a 7 to 10 day schedule through the second cover spray. Use either the "Pre- Bloom/Bloom" or "Extended Application" schedule.</li> <li>DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES Maximum per acre use rate based on thorough coverage dilute sprays. Use 50 gal minimum per acre. Consult State Extension Service if necessary to adjust for variable tree size</li> </ul>
harvest. Do not apply	more than 21 lbs produc	ct (15.75 lbs activ	per application. Do not apply within 77 days of ve) per acre per year. Do not graze livestock in In Integrated Pest Management Program.
Potato	Early Blight, Late Blight, Black Dot Disease Suppression: Botrytis	1-2	Begin applications when plants are 4 to 6 inches high by applying 1 lb per acre. As the vines increase in size, apply 1.5 to 2 lbs per acre at intervals of 5 to 10 days or 1 lb per acre at 3 to 5 day intervals.
DE, FL, MA, ME, MI, I	NH, NY, OH, PA, RI, VT	, WI, and within 1	e per crop. Do not use within 3 days of harvest in CT, 14 days elsewhere. Vine-kill should occur 14 days an Integrated Pest Management Program.
Squash (Summer Squash, Including Edible Gourd)	Downy Mildew	2-3	Start applications when plants are in the two-leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces.
	days of harvest. Do not applications per year.	apply more than	24 lbs product (18 lbs active) per acre per year. Do
Sugar Beet	Cercospora Leaf Spot	1.5-2	Begin when disease first threatens. Repeat at 7 to 10 day intervals.
	days of harvest. Do no ugar beet tops to livestoo		n 14 lbs product (10.5 lbs active) per acre per crop.
Tomato (East of the Mississippi River)	Anthracnose, Early Blight, Gray Leaf Spot, Late Blight, Leaf Mold, Septoria Leaf Spot	0.75-1.5	Start application when seedlings emerge or transplants are set. Repeat at 3 to 7 day intervals throughout the season.
RESTRICTIONS Do not apply within 5 days of harvest. Do not apply more than 22.4 lbs product (16.8 lbs active) per acre per crop.			
Tomato (East of the Mississippi River)	Bacterial Speck and Spot	1.5-3	Start application when seedlings emerge or transplants are set. Repeat at 7 to 10 day intervals throughout the season.
RESTRICTIONS	<u> </u>	<u> </u>	1

Use a full rate of a fix		nk mix combinati	22.4 lbs product (16.8 lbs active) per acre per crop. on with a half to full rate of FORTUNA 75 WDG gicide label.
Tomato (West of the Mississippi River)	Anthracnose, Early Blight, Gray Leaf Spot, Late Blight, Leaf Mold, Septoria Leaf Spot	0.75-1.0	Start application when seedlings emerge or transplants are set. Repeat at 3 to 7 day intervals throughout the season.
RESTRICTIONS Do not apply within 5	days of harvest. Do not	apply more than	8.5 lbs product (6.4 lbs active) per acre per crop.
Tomato (West of the Mississippi River)	Bacterial Speck and Spot	1.5-2	Start application when seedlings emerge or transplants are set. Repeat at 7 to 10 day intervals throughout the season.
Use a full rate of a fix	days of harvest. Do not ed copper fungicide in ta the application interval o	nk mix combinati	8.5 lbs product (6.4 lbs active) per acre per crop. on with a half to full rate of FORTUNA 75 WDG gicide label.
Walnuts	Walnut blight (Xanthomonas campestris pv. Juglandis	2.4 lb / acre	Apply by ground in a minimum of 100 gallons of water per acre or by air in a minimum of 10 gallons per acre. Do not apply through any irrigation system. Begin applications at early pre-bloom prior to or when catkins are partially expanded. Make additional applications during bloom and early nutlet stage, or as needed if frequent rainfall occurs.
101 Reg. No. 352-681 The minimum reapplic more than 24 pounds <b>Pre-harvest Interval:</b> Mixers and loaders m	1, with copper hydroxide) cation interval is 7 - 10 da product (18 lbs ai) per a Do not apply within 75 d	ays. Do not make cre per use seaso days before harve ring respirator (M	
Tropical Fruits Limited to: Sugar apple Cherimoya Atemoya Custard apple Sweetsop	Anthracnose	2-2.5	Begin applications at flowering and continue at a 7 day retreatment interval. Applications made with aerial equipment must be made in a minimum spray volume of 10 gal/acre.
	an 35 lbs. product (26.25 Applications may be ma		dient) per acre per year. Do not apply more than 14 of harvest.
Tropical Fruits Limited to: Mango Star apple (caimito) Canistel Mamey sapote Sapodilla White sapote	Anthracnose, Phytophthora Fruit Rot, Black Spot (Cercospora)	2-2.5	Start applications at flowering and continue at 14 to 21 day intervals. Direct spray to crown and blossom area. Use 20 to 100 gallons water per acre.

#### RESTRICTIONS

Do not apply more than 37.3 lbs. product (28 lbs. active ingredient) per acre per year. Do not apply more than 14 applications per year. Applications may be made up to the day of harvest.

# OTHER CROPS AND RATES

CROP	DISEASES CONTROLLED	RATE OF FORTUNA 75 WDG	SPECIFIC USE DIRECTIONS	
Asparagus Crown (Planting Stock)	Crown Rot	1.0 lb/100 gals	Dip clean, loosely packed crowns into continuously agitated fungicide suspension for 5 minutes. Drain and plant as soon as possible.	
RESTRICTIONS Wash dirty crowns befo	ore dip treatment. Repla	ce suspension in	clean tank when discolored by soil.	
Caprifig (Non-Food Use)	Endosepsis (Fusarium), Mold	4 lbs/100 gals	Prepare mamme figs by making a shallow cut through the eye and then hand dividing to avoid wasp injury. Submerge mamme figs in the continuously agitated suspension for at least 15 minutes. Drain before placement in trees.	
RESTRICTIONS Use fresh dipping susp	pension after treating 4	to 5 batches of fig	S.	
Potato (Seedpiece Treatment)	Fusarium Decay, Seedborne Common Scab	1.25 per 50 gal	Dip whole or cut potato tubers in 1.25 lbs FORTUNA 75 WDG FUNGICIDE fungicide per 50 gallons of water. Place treated tubers in a clean container following treatment and plant as soon as possible. Spread treated seedpieces in a cool place if held before planting.	
The Federal Seed Act bagged for future use - This seed has been - Do not use treated s	<ul> <li>Seed Bag Label Requirements</li> <li>The Federal Seed Act requires that seed-pieces that have been treated with this product that are then packaged or bagged for future use shall be labeled with the following statements:</li> <li>This seed has been treated with Fortuna 75 WDG Fungicide, a fungicide containing mancozeb.</li> <li>Do not use treated seed for feed, food, or oil purposes.</li> </ul>			
<ul> <li>with mancozeb:</li> <li>Store treated seed-pieces away from food and feedstuffs.</li> <li>Do not allow children, pets or livestock to have access to treated seeds.</li> <li>When opening this bag or loading/pouring the treated seed/seed-pieces</li></ul>				
After the seed pieces have been planted, do not enter or allow worker entry into treated areas during the restricted- entry interval (REI) of 24 hours. Exception: Once the seed pieces are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the soil/ media subsurface.				
When opening this bag or loading/pouring the treated seed-pieces, wear long-sleeved shirt, long pants, shoes, socks, chemical resistant gloves, and observe the additional mitigation measures of wearing a particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.				
Christmas trees (fir, spruce, pine)	Ascochyta, Alternaria, Botrytis, Cephalosporium,	1 to 2 lb per acre or 1 to 2 lb per 100 gal	Aerial application: Apply 1 to 2 lbs per acre using a minimum rate of 10 gallons of spray per acre during aerial applications.	

	Cladosporium, Cronartium, Fusarium, Lophodermium, Melampsora, Monchaetia, Phomopsis, Rhizoctonia, Septoria, Sirococcus, Sphaeropsis	Application of dilute sprays: Apply as thorough coverage spray using 1 to 2 lbs per acre of 1 to 2 lbs per 100 gallons of water. Begin application at first sign of disease and repeat every 7 to 10 days. Use the shortest spray interval during periods of frequent rain, when severe disease conditions persist or during periods of rapid plant growth. This product may be used alone or in combination with other fungicides.
Douglas fir	Swiss needle cast	

#### SEED TREATMENTS

For commercial treatment only. Do not treat seed at or immediately before planting. Users making commercial seed applications must follow provisions within the Non-Agricultural Use Requirements Box.

Users conducting seed treatments on agricultural establishments must follow provisions within the Agricultural Use Requirements Box.

Seed to be treated must be clean and well-cured prior to treatment.

FORTUNA 75 WDG FUNGICIDE must be applied to dry seed with conventional slurry or mist seed treating equipment, or as a plant-box application. For best results, seed must be covered uniformly with fungicide.

For seed treatment, a dye must be added to the Fortuna 75 WDG Fungicide treating slurry which will impart an unnatural color to the seed. Seed Bag Label Requirements

The Federal Seed Act requires that seed-pieces that have been treated with this product that are then packaged or bagged for future use shall be labeled with the following statements:

- This seed has been treated with [insert product], a fungicide containing mancozeb.

- Do not use treated seed for feed, food, or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with mancozeb:

- Store treated seed-pieces away from food and feedstuffs.

- Do not allow children, pets or livestock to have access to treated seeds.
- When opening this bag or loading/pouring the treated seed-pieces, wear long-sleeved shirt, long pants, shoes, socks, chemical resistant gloves, and observe the additional mitigation measures of wearing a particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- After the seeds have been planted, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the soil/media subsurface.
- Excess treated seed may be used for ethanol production only if (1) byproducts are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol byproducts that are used in agronomic practice."

CROP	DISEASES	SEED TREATMENT RATE Apply as a slurry	
		OZ PRODUCT PER BUSHEL	OZ PRODUCT PER 100 lb
Barley	Bunt, Covered Smut, Damping-Off, Fake Loose Smut, Seed Decay, Seedling Blights	1.3-2.0	2.7-4.2
Corn	Damping-Off, Seed Rot, Seedling Blights	1.5 -3.0	2.7-5.4
Cotton – acid delinted	Damping-Off, Seedling Blights	-	3.0
Cotton – reginned	Damping-Off, Seedling Blights	-	6.0
Flax	Seed Decay, Seedling Blights, Damping-Off	2.0-4.0	3.6-7.1
Oats	Damping-Off, Seedling Blights, Seed Decay, Smuts	1.3-2.0	4.0-6.3
Peanuts (shelled)	Damping-Off, Seed Rots, Seedling Blights	2.0-4.0	8.0-16.0
Rice	Achyla, Other Soil and Seedborne Fungi Causing Seed Rot and Reduced Seedling Vigor	-	2.0 to 4.0 Apply before, during or after soaking in water
Rye	Bunt, Covered Smut, Damping-Off, Seed Decay, Seedling Blights	1.3-2.0	2.3-3.6
Safflower	Puccinia carthami (Which Causes Foot-and- Rot Disease and Foliage Rust Disease)	-	2.0
Sorghum	Covered Kernel Smut, Damping-Off, Seedling Blights, Seed Rots	1.5-2.5	2.7-4.5
Tomato	Damping-Off, Seedling Blights, Seed Rots	-	8.0
Wheat and Triticale	Bunt, Covered Smut, Damping-Off, Seed Decay, Seedling Blights	1.3-2.0	2.2-3.3

### **CHRISTMAS TREES: Plantations and Nurseries**

Crem	Discoss Controlled		Directions
Crop	Diseases Controlled	FORTUNA 75 WDG	Directions
		Fungicide rate per	
		application	
Christmas trees (fir,	Ascochyta,	1 to 2 lb per acre	Aerial application: Apply 1 to 2 lbs per
spruce, pine)	Alternaria, Botrytis,	or 1 to 2 lb per	acre using a minimum rate of 10 gallons
	Cephalosporium,	100 gal	of spray per acre during aerial
	Cladosporium,		applications.
	Cronartium,		Application of dilute sprays: Apply as
	Fusarium,		thorough coverage spray using 1 to 2 lbs
	Lophodermium,		per acre of 1 to 2 lbs per 100 gallons of
	Melampsora,		water.
	Monchaetia,		Begin application at first sign of disease
	Phomopsis,		and repeat every 7 to 10 days. Use the
	Rhizoctonia,		shortest spray interval during periods of
	Septoria,		frequent rain, when severe disease
	Sirococcus,		conditions persist or during periods of
	Sphaeropsis		rapid plant growth. This product may be
			used alone or in combination with other
			fungicides.
			Turigiolado.
Douglas fir	Swiss needle cast		

# STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a dry area. Keep away from sources of ignition, (e.g. sparks and open flame.) Close bag when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

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

CONTAINER DISPOSAL: Non-refillable container. No not reuse or refill this container. Completely empty bag into application equipment. Non-recyclable container. Dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

**ATTENTION:** This product contains mancozeb and ETU, chemicals known to the State of California to cause cancer. ETU is also known to the State of California to cause birth defects or other reproductive harm in laboratory animals.

#### WARRANTY AND CONDITIONS OF SALE

Agria SA warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for use therein described when used in accordance with the Directions for Use set forth in the label.

To the extent consistent with applicable law, any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages, such as loss of profits or values or any other special or indirect damages. **Agria SA.** makes no other express or implied warranty including any other express or implied warranty of FITNESS or MERCHANTABILITY. If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.