



34704-1031

11-18-2009

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 U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)	EPA Reg. Number: 34704-1031	Date of Issuance: NOV 18 2009
	Term of Issuance: Unconditional	
	Name of Pesticide Product: FitnessTM Fungicide	
Name and Address of Registrant (include ZIP Code): Loveland Products, Inc. 7251 W. 4th Street Greeley, CO 80632-1286		
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.		
<p>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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none">1. Submit and/or cite all data required for registration of your product under FIFRA section 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.		
Signature of Approving Official:  Shaja B. Joyner, Product Manager (20) Fungicide Branch, Registration Division (7505P)	Date: NOV 18 2009	

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2. Make the following changes to the label submitted November 17, 2009:

- a. Change the product registration number to "EPA Reg. No. 34704-1031"
- b. On page 2, "**First Aid**" the Acute Toxicity Review does not require "If on skin or clothing", or "If inhaled". You may delete at your discretion.
- c. On page 2, "**Hazards to Humans and Domestic Animals**" per the Acute Toxicity Review, you may to revise to read: "Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing." The additional sentences are optional, and may be removed or retained at your discretion.
- d. On page 3:
 1. Change the header "**Directions for Use**" to all capital letters.
 2. Add a subheader "**Restrictions**" immediately above the **Agricultural Use Requirements** box.
- e. On page 4 in the **Non-Agricultural Use Requirements** box delete "without protective clothing"
- f. On page 6 in the section **General Information** delete "and wild rice" and "non-bearing citrus"; change "grasses grown for seed" to "turf grown for seed"; add "turfgrass and ornamentals"
- g. At the very end of page 9 delete the extra period.
- h. On page 11 move the header "Rotational Crops" and the following paragraph to page 3 under the subheader "**Restrictions**"
- i. On page 11 under the subheader **Cereals**:
 1. On the second line, delete wild rice, and revise to read as "rice". Additionally, delete "wild rice" from the third line.
 2. In the box in the column for **Application Timing for early season suppression** change "Reapply up to Feekes....long control." to "Make a second application for season long control." Application for Feekes growth stage is restrictive to wheat only.
 3. In column 4 on page 12 change the entry for Preharvest Intervals to read: "Wheat: do not apply after Feekes growth stage 10.5 (straw and grain)", and "Do not apply within 30 days of harvest for forage or hay".

Other Cereals (Barley, rye, triticale, oats): Do not apply within 30 days of harvest for forage or hay", and "Do not apply within 45 days of harvest for grain and straw for cereals other than wheat".

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- j. On pages 23 through 27 print the name of the disease in the first column in bold type (**anthracnose, brown patch, etc.**)
 - k. **Snow Gray Mold.** In column 5 of the last row of page 25 and the first row of page 26 change "For optimum disease control...label rates." to "For optimum disease control, the 0.75 and 1.1 fl. oz. Fitness Fungicide rates should be tank mixed with chlorothalonil at label rates." Tank mixing is not prohibited with PCNB.
 - l. **Summer Patch/Poa Patch.** Please add the following directions for use: "Use the 1.5 fl.oz./1000 sq. ft. rate on 28-day schedule, and the 0.75 fl. oz./1000 sq. ft. rate on a 14-day schedule."
 - m. **Take-All Patch.** On page 26 in column 5 for take-all patch change "Make fall...in April and May...." to "Make fall applications at 0.35 to 0.75 fl. oz/1000 square feet in September and October or when night temperatures drop below 55°F, and spring applications at 0.35 to 0.75 fl. oz/1000 square feet in April and May depending on local recommendations."
 - n. On page 26 in column 2 of the last row change "1.1 – 1.45" to "1.10 to 1.45"
 - o. On page 27 in column 2 of the zoysia patch row "1.1 – 1.45" to "1.10 to 1.45"
 - p. On page 28 add the following to the Note (paragraph 2 on the page): "For general disease control in landscapes, apply 2.2-3.0 fl. oz./100 gals. water every 21 days. For best control, begin Fitness Fungicide applications before disease development."
 - q. On page 30 in paragraph [C] of Table 3 change "For pecans, apply the 4.5 fl oz rate." to "For pecans, apply the 12 fl oz rate."
 - r. Add the following at the bottom of page 30: "**Note:** To avoid possible illegal residues, do not apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months."
 - s. On page 31 in the third paragraph change the punctuation to read as follows: "EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD AS IS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. MAKES...."
3. Submit one copy of the revised final printed label for the record before the product is released for shipment.


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.

Note: The two page Confidential Statement of Formula (CSF) dated November 12, 2009 is acceptable. The one page CSF with the same date was withdrawn per your email dated November 17, 2009

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A copy of the label stamped "Accepted with Comments" is enclosed for your records.


Shaja B. Joyner
Product Manager (20)
Fungicide Branch
Registration Division (7505P)

Enclosure:

Label stamped "Accepted with Comments"
Acute Toxicity Review DP366167 dated September 15, 2009
Product Chemistry Review DP366166 dated September 15, 2009

Fitness™ Fungicide

For control of certain diseases in celery, cereals, corn, peanut, pecan, pineapple, rice, stone fruits, sugarcane, turfgrass grown for seed, turfgrass and ornamentals.

Active Ingredient:

propiconazole: 1 -[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	41.8%
Other Ingredients	58.2%
Total	100.0%

Contains petroleum distillates.

Contains 3.6 lb active ingredient per gallon.

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.)

EPA Reg. No. 34704-

EPA Est.

Net Contents: _____ Gal. (_____ L)

Formulated For:

Loveland Products, Inc.

P.O. Box 1286

Greeley, CO 80632-1286

7251 W 4th Street

Greeley, CO 80634

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

NOV 18 2009

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

34704-1031

First Aid

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

If swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. 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 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Remove 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.

Note to Physician: Contains petroleum distillate — vomiting may cause aspiration pneumonia.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through skin.

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist.

Personal Protective Equipment (PPE): Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category G on the EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, Chemical-resistant gloves, such as barrier laminate or viton, Shoes plus socks and Protective eyewear.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

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 160.240(d)(4-6)1, the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands thoroughly with soap and water and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove and wash contaminated clothing before reuse.
- 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 fish. 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 disposing of equipment wash waters or rinsate. Refer to product labeling for use restrictions to protect endangered species.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

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.

Agricultural Use Requirements con't.

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. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, such as barrier laminate or viton, Shoes plus socks, and Protective eyewear.

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 (WPS) 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.

Entry Restrictions for Non-WPS Uses: Do not enter into treated areas without protective clothing until sprays have dried.

Storage and Disposal

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

Pesticide Storage: Store in original container in secured dry storage area.

Prevent cross-contamination with other pesticides and fertilizers. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 5 gallons: 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 ¼ 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.

Storage and Disposal Con't.

Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a 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.

For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 a 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.

For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.

General Information

Fitness Fungicide is a broad-spectrum fungicide for the control of certain diseases in cereals (wheat, barley, rye, oats, rice, and wild rice), celery, corn, nonbearing citrus, stone fruit (apricots, nectarines, peaches, plums, and prunes), peanuts, pecans, pineapple, sugarcane, and in grasses grown for seed.

Important: Do not use in greenhouses or as a tree injection.

Failure to follow directions and precautions on this label may result in crop injury, poor disease control, or illegal residues.

Integrated Pest Management

Fitness Fungicide should be integrated into an overall disease and pest management (IPM) strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for additional IPM strategies established for your area. Fitness Fungicide may be used in state agricultural extension advisory (disease forecasting) programs that recommend application timing based upon environmental factors favorable for disease development.

Fungicide Resistance Management

Fitness Fungicide belongs to the sterol demethylation inhibitor (DM1) class of fungicides and is classified as Group 3 Fungicide by EPA. Since certain fungi can develop resistance to this class of products, the use of Fitness Fungicide should be part of a resistance management strategy that includes alternation and/or tank mixing with another fungicide mode of action. After two consecutive applications of Fitness Fungicide, another propiconazole product or another DM1, rotate to a product that is effective on the target pathogen and has a mode of action different from Fitness Fungicide. Apply the alternate products within the intervals specified on the label for Fitness Fungicide. Do not apply Fitness Fungicide at rates below those specified on the label. If tank mixing, use the full label rate of Fitness Fungicide with the full label rates of other products effective on the target pest. Consult your local or state agricultural authorities for resistance management strategies that are appropriate for your disease management program.

Spray Equipment

Thorough coverage is necessary to provide good disease control.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap as crop injury may occur.

Air assisted or air blast sprayers move spray droplets into the canopy using a forced air stream. Set up the fan to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate the sprayer before use.

Use a pump with sufficient capacity to maintain 35 to 40 psi at nozzles and provide sufficient agitation in tank to keep mixture in suspension (this requires

recirculation of 10% of tank volume per minute). Use a jet agitator or liquid sparger tube for agitation. Do not use air sparging.

Although Fitness Fungicide is an emulsifiable concentrate, it is suggested that screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16- mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom and, where required, at the nozzles. Check nozzle manufacturer's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

Mixing Instructions

Application Rate Reference Table

Application Rate of Fitness Fungicide (Fl. Oz./acre)	Active Ingredient Equivalent (lb ai/acre)	Acres per Gallon of Fitness Fungicide
2	0.056	64
4	0.1125	32
6	0.169	21.3
8	0.225	16
10	0.28	12.8
12	0.34	10.7
16	0.45	8
20	0.56	6.4
24	0.67	5.3
30	0.84	4.3
32	0.90	4

Prepare no more spray mixture than is required for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Fitness Fungicide - Alone: Add 1/2 to 2/3 of the required amount of water to the spray or mixing tank. With the agitator running, add Fitness Fungicide to the tank. Continue agitation while adding the remainder of the water. Begin application of the spray solution after Fitness Fungicide has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

Fitness Fungicide - Tank Mixes: Fitness Fungicide is usually compatible with all tank mix partners listed on this label. To determine the physical compatibility of Fitness Fungicide with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 quart of water. Add wettable powders and water dispersible granular products first, then liquid flowables and

emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. Add 1/2 to 2/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the tank mix partner into the tank. Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and Fitness Fungicide to the spray tank. Allow Fitness Fungicide to completely disperse. Spray the mixture with the agitator running. Do not apply this product in a tank mix with a dodine fungicide or crop injury may occur.

If using Fitness Fungicide in a tank mix, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations required by the label of the tank mix product. No label dosage rate should be exceeded and the most restrictive label precautions and limitations must be followed. Do not tank mix this product with any product that prohibits such mixing. Tank mixes or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Application Instructions

Fitness Fungicide is most effective when applied and allowed to dry before a rainfall. Avoid applying Fitness Fungicide under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply in a manner which results in exposure to humans or animals.

Ground Application: For tree crops, apply Fitness Fungicide in a minimum of 50 gallons of water per acre unless otherwise specified. For all other crops, apply Fitness Fungicide in a minimum of 10 gallons of water per acre unless otherwise specified.

Aerial Application: For tree crops, apply Fitness Fungicide in a minimum of 10 gallons of water per acre unless otherwise specified. For all other crops, apply Fitness Fungicide in a minimum of 2 gallons of water per acre unless otherwise specified.

Chemigation Application: This product may be applied through properly equipped chemigation systems for disease control in the labeled crops. Refer to crop specific use directions for application rates, timing and frequency of application. Do not apply Fitness Fungicide by chemigation to other labeled crops except as specified in Loveland Products supplemental labeling or product bulletins. When applying this product by chemigation, do not exceed labeled rates or apply more frequently than recommended for conventional application methods. Fitness Fungicide, alone or in combination with other pesticides that are registered for application through irrigation systems, may be applied through irrigation systems. For chemigation application to labeled crops, apply in 0.1 to 0.25 inches of water unless otherwise specified. Chemigation with excessive water may lead to a decrease in efficacy.

Precautions:

- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. 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, contact State Extension Service specialists, equipment manufacturers, or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- 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.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer 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 flow 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.

Note: Do not inject Fitness Fungicide at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 10 parts water to 1 part Fitness Fungicide. Fitness Fungicide is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used but should be replaced once a year. Do not use viton, Buna-N, Neoprene, or PVC seals.

Specific Equipment Requirements

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

Center Pivot Irrigation Equipment

- Use only with drive systems that provide uniform water distribution.
 - Do not use end guns when applying Fitness Fungicide through center pivot systems because of nonuniform application.
 - Determine size of area to be treated.
 - Determine the time required to apply 1/8 to 1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. When applying Fitness Fungicide through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80 to 95% of the manufacturer's rated capacity.
 - Using only water, determine the injection pump output when operated at normal line pressure.
 - Determine the amount of Fitness Fungicide required to treat the area covered by the irrigation system.
 - Add the required amount of Fitness Fungicide and sufficient water to meet the injection time requirements of the solution tank.
 - Make sure the system is fully charged with water before starting injection of Fitness Fungicide. Time the injection to last at least as long as it takes to bring the system to full pressure.
 - Maintain constant solution tank agitation during the injection period.
 - Stop injection equipment after treatment is completed. Continue to operate the system until the solution of Fitness Fungicide has cleared the sprinkler head.
- Solid-Set, Hand Move, and Moving Wheel Irrigation Equipment**

- Determine the acreage covered by the sprinkler.
- Fill the injector solution tank with water and adjust flow rate to use the contents over a 20- to 30-minute interval. When applying Fitness Fungicide through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of Fitness Fungicide required to treat the area covered by the irrigation system.
- Add the required amount of Fitness Fungicide into the same quantity of water used to calibrate the injection equipment.
- Maintain constant solution tank agitation during the injection period.
- Operate the system at normal pressures recommended by the manufacturer of the injection equipment and used for the time interval established during the calibration.

- Inject Fitness Fungicide at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until the solution of Fitness Fungicide has cleared the last sprinkler head.

Rotational Crops

To avoid possible illegal residues, do not plant any other crop intended for food, grazing, or any component of animal feed or bedding within 105 days of an application of Fitness Fungicide to the preceding crop unless the second crop appears on this label. Alfalfa can be planted 75 days after the last application of Fitness Fungicide if the total application of propiconazole has not exceeded 0.22 lb active ingredient per acre during the previous year.

Uses

Celery

Apply Fitness Fungicide by either ground equipment in a minimum of 10 gallons of water per acre or aerial equipment in a minimum of 5 gallons of water per acre.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
early blight (<i>Cerocospora api</i>) late blight (<i>Septoria apicola</i>)	4	Apply on a 7-day schedule. If desired, a spreader-sticker may be used.	• Do not apply more than 16 fl oz of Fitness Fungicide (0.45 lb active ingredient) per acre per season. Preharvest Interval: Do not apply within 14 days of harvest.

Cereals

Including barley, buckwheat, pearl millet, proso millet, oats, rice, rye, teosinte, triticale, wheat, wild rice and other commodities included in the cereal grains crop grouping. For rice and wild rice, see specific use directions elsewhere on the label. Apply Fitness Fungicide by ground, aerial, or chemigation equipment.

Target Disease	Application Rate (Fl oz/acre)	Application Timing	Use Restrictions
early season suppression of: glume blotch (<i>Stagonospora nordorum</i>) leaf blight (<i>Septoria tritici</i>)	2-4	Apply in the spring. Reapply up to Feekes growth stage 10.5 for season long control. The minimum	• Do not apply more than 8 fl oz of Fitness Fungicide (0.22 lb active ingredient) per acre per season.

powdery mildew (<i>Blumeria</i> spp., <i>Erysiphe</i> spp.) tan spot (<i>Pyrenophora tritici- repentis</i>)		retreatment interval is 14 days.	<ul style="list-style-type: none">• Do not apply more than 4 fl oz of Fitness Fungicide (0.11 lb active ingredient) per acre per season if forage or hay will be harvested.• Preharvest Interval: Do not apply within 30 days of harvest for forage, within 40 days of harvest for grain and straw, and within 45 days of harvest for hay.
control of leaf diseases: barley scald (<i>Rhynchosporium secalis</i>) barley stripe (<i>Pyrenophora graminea</i>) glume blotch (<i>Stagonospora nordorum</i>) helminthosporium leaf blight (<i>Drechslera tritici- repentis</i>) leaf blight (<i>Septoria tritici</i>) net blotch (<i>Pyrenophora teres</i>) powdery mildew (<i>Blumeria</i> spp., <i>Erysiphe</i> spp.) rust (<i>Puccinia</i> spp.) spot blotch (<i>Bipolaris sorokiniana</i>) tan spot (<i>Pyrenophora tritici- repentis</i>)	4	Protecting the flag leaf is important for maximizing the potential yield. Highest yields are normally obtained when Fitness Fungicide is applied when the flag leaf is 50% to fully emerged. The minimum retreatment interval is 14 days. Using an oil base adjuvant may improve the spray coverage and canopy penetration.	
foot rot (<i>Pseudocercospora</i> spp.)		Apply with half rates of EPA registered fungicides such as thiophanate-methyl. Apply at tillering but before elongation has occurred.	
fusarium head blight suppression		Apply at approximately 50% flowering.	

		Adding a penetrating type of adjuvant may increase fusarium head blight suppression.	
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Rice

Apply Fitness Fungicide by aerial equipment only.

The active ingredient in this product may have effects on federally listed threatened and endangered species or critical habitat in some counties. When using this product, you must follow the measures contained in the County Bulletin for the county in which you are applying the pesticide. To determine whether your county has a bulletin consult <http://www.epa.gov/espp/usa-map.htm>. Bulletins may also be available from local pesticide dealers, extension offices, or state pesticide agencies.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
aggregate sheath spot (<i>Rhizoctonia oryzae-sativa</i>) black sheath rot (<i>Gaeumannomyces graminis</i>) brown leaf spot (<i>Heiminthosporium oryzae</i>) false smut (<i>Ustilaginoidea virens</i>) (suppression only) kernel smut (<i>Tilletia barclayana</i>) leaf smut (<i>Entyloma oryzae</i>) narrow brown leaf spot (<i>Cercospora oryzae</i>) sheath blight (<i>Rhizoctoria solani</i>) sheath spot (<i>Rhizoctonia oryzae</i>) stem rot (<i>Sclerotium oryzae</i>)	6 - 10	Timing of application depends upon disease severity, disease complex and rice variety/growth stage. Consult local extension experts for local economic thresholds established for various rice varieties and diseases. Apply at first internode elongation (up to 2-inch panicle) using one of the following schedules: A. Apply 6 fl oz per acre and repeat at swollen boot. Make the second application 14	Do not apply more than 12 fl oz of Fitness Fungicide (0.34 lb active ingredient) per acre per season. • Preharvest Interval: Do not apply within 35 days of harvest. • Do not apply to stubble or ratoon crop rice. • Do not use in rice fields where commercial farming of crayfish will be practiced. • Do not drain water from treated rice fields into ponds used for commercial fish farming. • Do not use water drained from treated fields to irrigate other crops.

(suppression only)		<p>days later but before the boot splits and head emerges. Sheath blight is best controlled when the first application is applied at disease appearance in the field. The first application is recommended when 5% or fewer of the tillers are infected.</p> <p>B. Apply 10 fl oz per acre. This rate is recommended if greater than 10% of the tillers are infected with sheath blight. If disease reappears, use another registered fungicide for the second application. Tank mix option: Apply 6 fl oz of Fitness Fungicide in a tank mix with registered fungicides for control of rice diseases.</p>	
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Corn (Field Corn, Sweet Corn, Popcorn, and Corn Grown for Seed,)
Apply Fitness Fungicide by ground, aerial, or chemigation equipment.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
helminthosporium leaf blights (<i>H. maydis</i> , <i>H. turcicum</i> , <i>H.</i>	2 - 4	Apply when disease first appears and reapply on a 7 to	Field corn, popcorn, corn grown for seed

<i>carbonum</i>) northern corn leaf blight <i>(Setosphaeria turcica)</i> northern corn leaf spot <i>(Cochliobolus carbonum)</i> southern corn leaf blight <i>(Cochliobolus heterostrophus)</i>		14 day schedule. Use the low rate when disease pressure is low and the high rate under heavy disease pressure or if conditions favor for disease development.	<ul style="list-style-type: none"> • Do not apply more than 16 fl oz of Fitness Fungicide (0.45 lb active ingredient) per acre per season. • Do not apply more than 8 fl oz of Fitness Fungicide (0.22 lb active ingredient) per acre per season on field corn harvested for forage:
eye spot <i>(Aureobasidium zeae)</i> gray leaf spot <i>(Cercospora zeae-maydis)</i> rusts (<i>Puccinia</i> spp.)	4	Apply when disease first appears. If conditions favor disease development, reapply on a 7 to 14 day schedule. For best disease control, early applications at initial disease onset perform better.	<ul style="list-style-type: none"> • Preharvest Interval: Do not apply within 30 days of harvest for forage, grain and stover. • Sweet corn • Preharvest Interval: Do not apply within 14 days of harvest for ears or forage.

Peanut

Apply Fitness Fungicide by ground, aerial, or chemigation equipment.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
early leaf spot <i>(Cercospora arachidicola)</i>	2.5 - 4	Apply beginning 35 to 40 days after planting or at the first appearance of disease and reapply on a 10- to 14-day schedule. Under heavy disease pressure, use the higher rate. Fitness Fungicide	<ul style="list-style-type: none"> • Do not apply more than 16 fl oz of Fitness Fungicide (0.45 lb active ingredient) per acre per season. • Preharvest Interval: Do not apply within 14 days of harvest with the low use
late leaf spot <i>(Cercosporidium personatum)</i> rust (<i>Puccinia arachidis</i>) web blotch <i>(Phoma arachidicola)</i>	4		

		also may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based upon environmental factors favorable for disease development.	rate of 4 fl oz per acre. Do not apply within 21 days of harvest with the high use rate of 8 fl oz per acre. • Do not feed hay from treated fields to livestock if the high rate of 8 fl oz per acre was used.
southern stem rot (<i>Scierotium rolfsii</i>)		Apply to the crown and pegging zones of the plant by chemigation or directed ground application using one of the following schedules: A. Apply 4 fl oz per acre. Begin applications 45 days after planting or at the first appearance of disease. Repeat on a 14-day interval. B. Apply 8 fl oz per acre. Make the first application at pegging (approximately 60 days after planting) or at the first appearance of disease. Make the second application 3 to 4 weeks later. When applying in irrigation water for southern stem rot	

		control, use a minimum of 0.25 to 0.5 inches of water per acre. Use enough water so the fungicide penetrates the peanut canopy and reaches the crown of the plant where the disease is most active. When applying via irrigation or as a directed ground application, additional methods should be employed for leaf spot control.	
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Pecan

Apply Fitness Fungicide by ground or aerial equipment in a minimum of 20 gallons of water per acre.

The active ingredient in this product may have effects on federally listed threatened and endangered species or critical habitat in some counties. When using this product, you must follow the measures contained in the County Bulletin for the county in which you are applying the pesticide. To determine whether your county has a bulletin consult <http://www.epa.gov/esplusa-map.htm>. Bulletins may also be available from local pesticide dealers, extension offices, or state pesticide agencies.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
pecan scab (<i>Cladosporium caryigenum</i>)	4 - 8	Apply on a 14-day schedule during bud break and pre-pollination sprays. Apply 6 to 8 fl oz per acre during nut formation and cover sprays. Use higher rates when disease pressure is	<ul style="list-style-type: none"> • Do not apply more than 32 fl oz of Propiconazole EC (0.9 lb active ingredient) per acre per season. • Do not apply after shuck split. • Do not graze livestock in treated areas or cut treated cover

downy spot (<i>Mycosphaerella canjigena</i>) liver spot (<i>Gnomonia caryae pv pecanae</i>) powdery mildew (<i>Microsphaera penicillata</i>) vein spot (<i>Gnomonia nerviseda</i>) zonate leaf spot (<i>Cristulariella moricola</i>)		heavier,	crop for feed.
		Apply 4 fl oz per acre with other products registered for pecans and labeled for these mid to late season foliar diseases. Observe all directions, precautions, and limitations for the other products.	

Pineapple - (For use only in Hawaii)

Target Disease	Application Rate (Fl. oz/100 gal. of water)	Application Timing	Use Restrictions
Butt rot (<i>Ceratocystis paradoxa</i>)	0.75 (1:17,000)	Treatments can be made in either a cold or hot water dip. Cold water dip: Immerse crowns to give thorough wetting, remove, and allow to drain. Hot water dip: Maintain water temperature at 125°F (52°C). Soak crown for 20 to 30 minutes, remove, and allow to drain.	<ul style="list-style-type: none"> • Do not use treated crowns for food or feed. • Do not graze while plant is growing. • Do not graze tops until fruit is harvested. • Dispose of used dip solution according to local, state, and federal regulations.

Stone Fruits

Including apricot, chickasaw plum, damson plum, Japanese plum, nectarine, peach, plum, plumcot, prune, sweet cherry, tart cherry, and cultivars and/or hybrids of these included in the stone fruits crop grouping

Apply Fitness Fungicide by ground or aerial equipment in a minimum of 15 gallons of water per acre. Diseases on stone fruits are most effectively controlled by ground applications.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
brown rot blossom blight (<i>Monilinia</i> spp.)	4	Apply at early bloom stage. If disease pressure is low, a second application may be made as needed through petal fall. Under conditions of high disease pressure and/or very susceptible varieties, make a second application from 75 to 100% bloom and a third application at petal fall.	<ul style="list-style-type: none"> • Do not apply more than 20 fl oz of Fitness Fungicide (0.56 lb active ingredient) per acre per season. • Preharvest Interval: 0 days • Applications of Fitness Fungicide during bloom to stanley plums have occasionally caused fruit to be less oval in shape and smaller in size at harvest. To avoid this, do not apply to stanley plums earlier than 21 days before harvest.
fruit brown rot (<i>Monilinia</i> spp.)		Apply a maximum of 2 sprays as needed during the preharvest period up to the day of harvest, If high inoculum and severe disease conditions persist, apply another registered fungicide after applying Fitness Fungicide twice.	
cherry leaf spot (<i>Blumeriella jaapii</i>) powdery mildew (<i>Podosphaera</i> spp.) rust (<i>Tranzschelia discolor</i>)		See brown rot blossom blight. Make up to 2 Additional applications on a 10 to 14 day interval from the end of petal fall to harvest.	

Sugarcane

Target Disease	Application Rate (Fl. oz/100 gal. of water)	Application Timing	Use Restrictions
pineapple disease (<i>Ceratocystic paradoxa</i>)	0.75 (1:17,000)	Apply to cut seed pieces using one of the following methods: Cold water dip: Immerse seed pieces to give thorough wetting, remove, and allow to drain. Hot water dip: Maintain water temperature at 125°F (52°C). Soak seed pieces for 20 to 30 minutes, remove, and allow to drain. Conveyor belt treatment: Treat seed pieces with a solution of Fitness Fungicide and water using in-line directed spray sufficient to wet cut ends.	<ul style="list-style-type: none"> • Do not use treated seed pieces for food or feed. • Dispose of used dip solution according to local, state, and federal regulations.

Turfgrass Grown for Seed

(For use only in Idaho, Minnesota, Nebraska, Oregon, and Washington)

Apply Fitness Fungicide by ground or aerial equipment in a minimum of 10 gallons of water per acre. Fitness Fungicide may also be applied by chemigation.

Target Disease	Application Rate (Fl. oz/acre)	Application Timing	Use Restrictions
ergot stem disease powdery mildew (<i>Erysiphe graminis</i>) rusts (<i>Puccinia</i> spp.) selenophoma	4 - 8	Apply when powdery mildew infections, <i>Seleophoma</i> infections, and/or rust pustules are noticeable and increasing in	<ul style="list-style-type: none"> • Do not apply more than 32 fl oz of Fitness Fungicide (0.9 lb active ingredient) per acre per season. • Do not feed hay

stem eyespot (<i>Selenophoma</i> spp.)		number in late spring or early summer. Apply on a 14 - 21 day interval. To maximize control of severe rust pressure, apply 8 fl oz per acre and reapply at 14 day intervals until the seed is mature. Make the last application at least 20 days before seed matures. For bluegrass, it is important to begin applications early in the growing season.	cut within 20 days of the last application. • Do not graze treated areas within 140 days of the last application.
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Turfgrass and Ornamentals

General Information

Fitness Fungicide is a systemic fungicide for use on turfgrass for the control of dollar spot (*Sclerotinia homeocarpa*), brown patch (*Rhizoctonia solani*), anthracnose (*Colletotrichum graminicola*), red thread (*Laetisaria fuciformis*), pink patch (*Limonomyces roseipellis*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), necrotic ring spot (*Leptosphaeria korrae*), spring dead spot (*Leptosphaeria korrae*, *Leptosphaeria narmari*, *Ophiosphaerella herpotricha*, *Gaeumannomyces graminis*), take-all patch (*Gaeumannomyces graminis*), leaf spot (*Bipolaris* spp., *Drechslera* spp.), gray leaf spot (*Pyricularia grisea*), pink snowmold (*Microdochium nivale*), fusarium patch (*Fusarium nivale*), gray snowmold (*Typhula* spp.), yellow patch (*Rhizoctonia cerealis*), and zoysia patch (*Rhizoctonia solani*).

Fitness Fungicide also controls numerous diseases on ornamentals and other landscape and nursery plantings, including powdery mildews, rusts, leaf spots, scabs, and blights. Refer to the appropriate section for specified diseases and plants.

General Use Precautions and Restrictions

Failure to follow the directions for use and precautions on this label may result in plant injury or poor disease control.

Chemigation: Do not apply this product through any type of irrigation system.

Do not use this product as a tree injection treatment.

Do not use Fitness Fungicide in greenhouses.

Do not apply more than 5.8 fl oz of Fitness Fungicide per 1000 sq ft per calendar year.

Mixing Instructions

Fitness Fungicide — Alone: Fill the tank 1/2 to 3/4 full of water. Add the proper amount of Fitness Fungicide and then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Fitness Fungicide — Tank Mixes: For broader spectrum disease control, Fitness Fungicide may be mixed with other fungicides. Fitness Fungicide is also compatible with numerous herbicides and insecticides. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Fitness Fungicide, other chemicals to be used, and the water before mixing in the spray tank. Once compatibility has been proven, fill the tank at least 1/2 full of clean water. Add wettable powders to the tank first, allowing them to completely suspend in the water before proceeding. This process can be hastened by premixing the product in water before adding to the tank. Add flowables or suspensions next and then add Fitness Fungicide. Add other emulsifiable concentrates last. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended. Do not leave tank mixtures in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

Add Unite compatibility agent (3 pt per 100 gallons) to tank mixes that are incompatible. Observe all directions, precautions and limitations on the labels of all products used in the tank mix. Tank mixes or other applications of products referenced on this label are permitted only in those states where referenced products are registered.

Uses

Turfgrass and Dichondra

- Use Fitness Fungicide in a preventative disease control program.
- Apply in sufficient water to ensure thorough coverage.
- Apply after mowing or allow sprayed area to dry completely before mowing.
- For control of foliar diseases, allow sprayed area to dry completely before irrigation.
- For control of soilborne diseases, Fitness Fungicide can be watered in immediately after application.
- Under conditions that are optimum for high disease pressure, use the higher rate and shorter interval.
- For optimum turfgrass quality and disease control, use Fitness Fungicide in conjunction with turf management practices that promote good plant health and optimum disease control.
- Evaluate spray additives prior to use. Label directions are based upon data obtained with no additives.

- Before using any fungicide, proper diagnosis of the organism causing the disease is important. Using diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
 - Do not apply more than 5.8 fl oz per 1000 sq ft per calendar year.
 - Do not apply more than 1.79 lb active ingredient per acre per application.
- Important: Bermudagrass can be sensitive to Fitness Fungicide. Do not exceed 1.44 fl oz per 1000 sq ft every 30 days on any variety of bermudagrass. In Florida, do not apply Fitness Fungicide to bermudagrass golf course greens when temperatures exceed 90°F.

Note: Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

Specific Diseases, Rates and Application Timing

Disease	(fl oz/ 1000 sq ft)	(fl oz/acre)	Application Interval (Days)	Specific Use Instructions
Turfgrass				
anthracnose (<i>Colletotricum graminicola</i>)	0.37 - 0.75	16 - 32	14- 28	Apply when conditions favor disease development. When disease pressure is high, use a higher rate and shorter interval. For broad spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 0.73 fl oz of Propiconazole EC per 1000 sq ft with the label rate of a registered contact fungicide.
brown patch (<i>Rhizoctonia solani</i>)			14 - 21	Begin application in May or June before disease is present. Tank mix with the label rate of a contact fungicide

				registered for control of brown patch. Under conditions of high temperature and humidity, use a higher rate and shorter interval.
dollar spot (<i>Sclerotinia homeocarpa</i>)	0.18	8	7	Apply when conditions favor disease development.
			14	Tank mix with low label rate of a contact fungicide containing chlorothalonil.
	0.37	16	21 - 28	Tank mix with low label rate of a contact fungicide containing chlorothalonil
	0.37 - 0.73	16 - 32	14 - 28	If using the 0.37 - 0.73 fl oz/1000 sq ft rate without tank mixing, make no more than 3 consecutive applications for control of dollar spot before rotating to an alternate EPA registered fungicide having a different mode of action.
fusarium patch (<i>Fusarium nivale</i>)	0.73 — 1.45	32 - 63	fall - early spring	Apply when conditions favor disease development.
gray leaf spot (<i>Pyricularia grisea</i>)	0.37 - 0.73	16 - 32	14	Apply when conditions favor disease development. If using the 0.37 fl oz/1000 sq ft rate,

				tank mix with a registered contact fungicide at the label rate.
melting out, leaf spot (<i>Bipolaris</i> spp.) (<i>Drechslera</i> spp.)		16 -63		Under light to moderate pressure, apply Fitness Fungicide to reduce the severity of leaf spot and melting out. For broad spectrum disease control, tank mix the 0.37 fl oz/1000 sq ft rate with a registered contact fungicide at the label rate.
necrotic ring spot (<i>Leptosphaeria korrae</i>)	1.45	63	Fall or spring	Apply in fall and/or the early spring depending upon local recommendations.
pink patch (<i>Limonomyces roseipellis</i>) red thread (<i>Laetisaria fuciformis</i>)	0.37	32	14 - 21	Apply when conditions favor disease development.
powdery mildew (<i>Erysiphe graminis</i>) rust (<i>Puccinia graminis</i>)	0.37 - 0.73	16 - 32	14 - 28	Apply when conditions favor disease development. If disease is present, use 0.73 fl oz of Fitness Fungicide per 1000 sq ft.
snow mold gray (<i>Typhula</i> spp.) pink (<i>Microdochium nivale</i>)	0.73 — 1 .45	32 - 63	Late fall	Make 1 application in the late fall before snow cover. Do not apply on top of snow. For optimum disease

				control, tank mix with either PCNB or chlorothalonil at label rates.
spring dead spot (<i>Leptosphaeria korrae</i>), (<i>Leptosphaeria narmari</i>) (<i>Ophiosphaerella herpotricha</i>), (<i>Gaeumannomyces graminis</i>)	1.45	63	30	Make 1 to 3 applications. If a single application is made, apply in September or October. For multiple applications, begin sprays in August.
stripe smut (<i>Ustilago striiformis</i>), (<i>Urocystis agropyri</i>)	0.37 - 0.73	16 - 32	Fall or spring	Apply once in the fall after turfgrass becomes dormant or in the early spring before turfgrass starts to grow.
summer patch poa patch (<i>Magnaporthe poae</i>)	0.73 1.45	32 63	14 28	Apply Fitness Fungicide beginning in April.
take-all patch (<i>Gaeumannomyces graminis</i>)	0.73 — 1.45	32 - 63	spring and fall	Apply Fitness Fungicide to reduce the severity of take-all patch. Make fall applications in September and October or when night temperatures drop below 55°F, and spring applications in April and May, depending upon local recommendations.
yellow patch (<i>Rhizoctonia cerealis</i>)	1.1 — 1.45	48 — 63	late fall	Make 1 application in the late fall before snow cover. Do not apply on top

				of snow. If using the 1.1 fl oz/1000 sq ft rate, tank mix with a registered contact fungicide at the label rate.
zoysia patch, large patch of zoysia (<i>Rhizoctonia solani</i>)	1.1 — 1.45	48 — 63	early fall	Make 1 application in the early fall (mid September to mid October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.
Dichondra				
dichondra rust (<i>Puccinia dichondrae</i>)	0.73	32	14 - 21	Apply when conditions favor disease development.

Establishment of Cool Season Turfgrass

Fitness Fungicide controls many turfgrass diseases; its primary use is as a fungicide for use against the diseases listed on this label. As an additional benefit, Fitness Fungicide improves the rate of establishment when it is applied to cool season turfgrass seedlings or sod.

New Seedlings: Apply 0.35 fl oz per 1000 sq ft at the 2 to 3 leaf stage of growth for faster root development and top growth.

Sod: Apply 0.35 fl oz per 1000 sq ft 2 to 6 weeks before cutting for increased sod knitting and faster establishment after laying.

Ornamentals

- Use Fitness Fungicide in a preventative disease control program. To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number(s) in parentheses following the listed plant species refers to the disease(s) controlled in Table 2. Find the disease in Table 2. The letter in brackets following the disease refers to the application regime in Table 3
- Allow spray to dry before applying overhead irrigation.

- Optimum benefit of Fitness Fungicide is obtained when used in conjunction with sound disease management practices.

Fitness Fungicide may be used at rates of 0.75 to 8.7 fl oz per 100 gallons of water for disease control in ornamentals (see Tables 1, 2 and 3). For best control, begin applications before disease development.

Note: For outdoor uses, up to 2 gallons of Fitness Fungicide may be applied per acre per calendar year.

Plant tolerances to Fitness Fungicide have been found acceptable for the specific genus and species of plants listed under the Directions for Use. Other plant species may be sensitive to Fitness Fungicide and diseases other than those listed may not be controlled. Before using Fitness Fungicide on plants or for diseases that are not listed in the Directions for Use, first test Fitness Fungicide on a small scale basis. Do not apply Fitness Fungicide to African violets, begonias, Boston fern, or geraniums. Apply according to listed rates for a particular disease type, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

Table 1. Ornamental Plant Species

Number in parentheses (-) refer to diseases controlled in Table 2.

Herbaceous Ornamentals	Woody Ornamentals
calendula (4a)	amelanchier (4d)
carnation (5f)	ash (4c)
chrysanthemum (2a)	azalea (2c, 4b)
delphinium (4a)	bayberry (3n)
English ivy (3e)	camellia (3e)
gomphrena (3a)	cotoneaster (3i)
impatiens (3a, 3b, 4a)	crabapple (3c, 3g, 4c, 5a)
iris (5d)	crape myrtle (4a)
marigold (3a)	dogwood (3h, 4c)
monarda (4c)	douglas fir (5b)
phlox (4c)	elm (4c)
snapdragon (5d)	euonymus (3e, 4c)
sweet william (3k) (<i>Dianthus barbatus</i>)	hawthorn (5a)
zinnia (4c)	holly (3r)
	juniper (1a)
	lilac (4c)
	linden (3e, 3b, 4b)
	magnolia (3e, 4b)
	maple (3e, 4f)
	oaks (3p)
	pinus (1b, 1c)
	poplars (5b)
	pyracantha (3o)
	red tip photinia (3i)

	raphiolepis (3e, 3i) rhododendron (2c, 3n) roses(3g,4e,5c) (outdoor use only) shasta fir (5e) sweetgum (3b, 3c, 3n) sycamore (3e) tulip tree (3e, 4a) wax myrtle (3n)
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Table 2. Plant Diseases

Letters in brackets [-] refer to application regimes in Table 3.

1. Conifer Blights

- a. *Phomopsis juniperovora* (phomopsis blight) [B]
- b. *Sirococcus strobolus* (tip blight) [D]
- c. *Sphaeropsis sapinea* (diplodia tip blight) [B]

2. Flower Blight

- a. *Ascochyta chrysanthemi* (ray blight) [C]
- b. *Molinia* spp. [A]
- c. *Ovulinia* spp. [B]

3. Leaf Blights/Spots

- a. *Alternaria* spp. [B]
- b. *Cercospora* spp. (brown leaf spot) [C]
- c. *Cladosporium* spp. (scab) [C]
- d. *Coccomyces hiemalis* [A]
- e. *Collectrichum* spp. [B]
- f. *Cristulariella* spp. (zonate leaf spot) [C]
- g. *Diplocarpon rosae* (blackspot) [B]
- h. *Discula* spp. (anthracnose) [A]
- i. *Fabraea maculata* (syn. *Entomosporium maculata*) [B]
- j. *Gnomonia leptostyla* (anthracnose) [C]
- k. *Heterosporium echinulatum* [B]
- l. *Mycosphaerella caryigena* (downy spot) [C]
- m. *Mycosphaerella fructicola* (greasy spot) [E]
- n. *Septoria* spp. (leaf scorch) [C]
- o. *Spilocaea pyracanthae* [B]
- p. *Tubakia dryina* [D]
- q. *Venturia inaequalis* (scab) [A]
- r. *Rhizoctonia* web blight [B]

4. Powdery Mildew

- a. *Erysiphe* spp. [B]
- b. *Microsphaera* spp. [C]
- c. *Oidium* spp. [B]

- d. *Podosphaera* spp. [B]
- e. *Sphaerotheca pannosa* [B]
- f. *Phyllactinia* spp. [B]

5. Rust

- a. *Gymnosporangium juniperi-virginianae* [A]
- b. *Melampsora occidentalis* [D]
- c. *Phragmidium* spp. [B]
- d. *Puccinia* spp. [8]
- e. *Pucciniastrum goeppertianum* [D]
- f. *Uromyces dianthi* [B]

Table 3. Application Regimes

[A] Mix 0.73 to 1.5 fl oz of Fitness Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Reapply every 14 to 21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply Fitness Fungicide when there is 5 to 10% bloom and again at 70 to 100% bloom. For dogwoods, apply the 0.73 to 1.5 fl oz rate every 14 days, or apply 3 fl oz of Fitness Fungicide every 28 days.

[B] Mix 1.8 to 3 fl oz of Fitness Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply as needed, beginning when conditions favor disease development. For blackspot, apply in tank mix with a registered contact fungicide labeled for blackspot. For calendula, apply every 30 days. For diplodia tip blight, make a total of 3 applications every 14 days prior to the major period of infection. For juniper phomopsis blight, make an initial application as soon as junipers start to grow and reapply every 14 to 21 days during the period of active growth.

[C] Mix 3 to 4.5 fl oz of Fitness Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions favor disease development. For pecans, apply the 4.5 fl oz rate. Beginning at bud break, make a total of 3 applications 14 days apart. For walnuts, apply 3 fl oz every 14 to 21 days. For ray blight, apply 4.5 fl oz every 7 days or 7.5 fl oz every 14 days. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl oz.

[D] Mix 6 fl oz of Fitness Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14 to 28 days beginning when conditions favor disease development. For douglas fir needle rust, apply once in May. For tip blight, make an initial application in mid- to late winter, and 3 additional applications at 2-month intervals.

[E] Mix 7.5 to 8.7 fl oz of Fitness Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply within the June to August time period.

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