

# Fitness (CA)

Registrant: Loveland Products, Inc.

## GENERAL

<b>EPA Registration Number:</b>	34704-1031	<b>Signal Word:</b>	WARNING
<b>CA Registration Number:</b>	34704-1031-AA		
<b>Active Ingredient:</b>	41.8 - Propiconazole	<b>Application Methods:</b>	Ground, Chemigation, Air
<b>Label Version:</b>	072214 V2D 09B15	<b>Mode of Action:</b>	FRAC 3
<b>Physical State:</b>	Liquid (8.67 lb / ga)	<b>Toxic To:</b>	Fish, Shrimp
<b>Product Type:</b>	Fungicide	<b>Rainfastness:</b>	
<b>Formulation Type:</b>	Emulsifiable Concentrate OR Emulsion Concentrate		

## ADDITIONAL INFORMATION

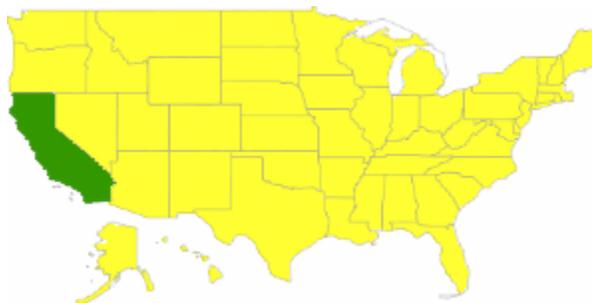
<b>Federally Restricted:</b>	No	<b>Organic Certifications:</b>	None
<b>Posting Required:</b>	No	<b>Closed Mixing System Required:</b>	All applications in All States/Provinces: Not required
<b>Oral Notification Required:</b>	No	<b>Avoid Grazing:</b>	See Label

## CALIFORNIA

<b>Registration #:</b>	34704-1031-AA	<b>CA Restricted:</b>	No
<b>CA NOI Required:</b>	No		

## REGISTERED FOR USE IN

CA



## PACKAGE TYPES

1 GA Package(s) (4 / Case)	2.5 GA Package(s) (2 / Case)	30 GA Package(s)
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**\*\*Specific Notices will not be shown until a pest is selected.**

## SAFETY

<b>PPE Information:</b>	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 all 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.
<b>Re-Entry PPE Information:</b>	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.
<b>Transport Information:</b>	LAND TRANSPORT DOT Shipping Description: 119 GALLONS OR LESS: NOT REGULATED. DOT Shipping Description: GREATER THAN 119 GALLONS: NA1993, COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM DISTILLATES), III, ERG GUIDE 128 U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120; CLASS: 60)
<b>Response Number:</b>	800-424-9300
<b>Medical Number:</b>	866-944-8565
<b>SDS Hazard ID Signal Word:</b>	Warning

### GENERAL NOTICE 1

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.

### GENERAL NOTICE 2

Ground Application: For tree crops, apply Fitness Fungicide in a minimum of 50.0 gallons of water per acre unless otherwise specified. For all other crops, apply Fitness Fungicide in a minimum of 10.0 gallons of water per acre unless otherwise specified.

### GENERAL NOTICE 3

Aerial Application: For tree crops, apply Fitness Fungicide in a minimum of 10.0 gallons of water per acre unless otherwise specified. For all other crops, apply Fitness Fungicide in a minimum of 2.0 gallons of water per acre unless otherwise specified.

## GENERAL NOTICE 4

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 specified 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. CHEMIGATION INSTRUCTIONS 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 non-uniform 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.

## GENERAL NOTICE 5

MIXING INSTRUCTIONS Please see the Application Rate Reference Table located on page 4 of the Fitness label. 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.

## GENERAL NOTICE 6

Spray Equipment Thorough coverage is necessary to provide good disease control. 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.

## GENERAL NOTICE 7

Fungicide Resistance Management Fitness Fungicide belongs to the sterol demethylation inhibitor (DM1) class of fungicides and is classified as Group 3 Fungicide. 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. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. 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. Fitness Fungicide should not be alternated or tank mixed with any fungicide to which resistance has already developed.

## GENERAL NOTICE 8

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 using the recommend application timing based upon environmental factors favorable for disease development.

## GENERAL NOTICE 9

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(R) 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 pound active ingredient per acre during the previous year.

## GENERAL NOTICE 10

Product Information Fitness Fungicide is a broad-spectrum fungicide for the control of certain diseases in almonds, berries, carrots, celery, cereals (wheat, barley, rye, oats, and rice), citrus (non-bearing), corn, cranberries, filberts, mint, onions and other bulb vegetables, sorghum, soybean, stone fruit (apricots, nectarines, peaches, plums, and prunes), peanuts, pecans, pineapple, sugarcane, tree nuts, turf grown for seed, and turfgrass and ornamentals. 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.

## GENERAL NOTICE 11

ENVIRONMENTAL HAZARDS This product is toxic to fish and shrimp. Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

## GENERAL NOTICE 12

Spray Drift Management A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application 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. - Droplet Size: Apply as a medium or coarser spray (ASAE Standard 572). - 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 propiconazole. Where states have more stringent regulations, they must be observed. - Equipment: All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. - Aerial application: 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. - Ground boom application: Do not apply with a nozzle height greater than 4 feet above the crop canopy.

## TANK MIX INFORMATION

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 1.0 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 can 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.

## SPECIAL INSTRUCTIONS

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.