

35915-12

04-09-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDE PROGRAMS

Joseph W. Burley, Ph.D.
Regulatory Manager
Sipcam Agro USA, Inc.
2520 Meridian Parkway, Suite 525
Durham, NC 27713

APR 9 2010

SUBJECT: Applications for Pesticide Notification – Label Change per PR Notice 2007-4
Atrazine 90 EPA Reg. No. 35915- 3
Atrazine 4L EPA Reg. No. 35915- 4
Sim-Trol 9DF™ EPA Reg. No. 35915-12
Applications Dated August 5, 2009

Dear Dr. Burley:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above products. The Registration Division (RD) has conducted a review of these requests for their applicability under 2007-4 and finds that the actions requested fall within the scope of PRN 2007-4. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249, or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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Please read instructions on reverse before completing form.

Form Approved .B No. 2070-0060. Approval Expires 05-31-98.



United States
Environmental Protection Agency
Washington, DC 20460

 Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 35915-12	2. EPA Product Manager Jim Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product Name Sim-Trol 9DF	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Oxon Italia S.p.A. c/o 2520 Meridian Parkway, Suite 525 Durham, NC 27713 <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
APR 9 - 2010

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product except as certified in the paragraph below. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. [See attached page for further certification statement.]

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Unit Packaging wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Joseph W. Burley	Title Regulatory Mgr., Agent for Oxon Italia S.p.A.	Telephone No. (Include Area Code) (919) 226 1297

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature Joseph W. Burley	3. Title Regulatory Mgr., Agent for Oxon Italia S.p.A.	
4. Typed Name Joseph W. Burley	5. Date 08/05/2009	



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August 5, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: **Sim-Trol 9DF**
EPA Reg. No. 35915-12
Notifications per PR Notice 2007-4 and PR Notice 98-10

Dear Sir or Madam:

In support of the above notifications, please find the following documents enclosed:

- Application for Pesticide Notification, Form 8570-1
- One copy of the product labeling, which is annotated to enable the Agency to differentiate the changes which have been made to that label
- One clean copy of the label, containing the incorporated changes
- Copy of a letter from Mr. Donald Stubbs which acknowledges that the CPDA language appropriate to approved adjuvants can be added to a registrant's label by notification under the procedures set forth in PR Notice 98-10.

For ease of review by the Agency, please note that changes to this product label are limited to those found on pages 3 and 6. Those changes have been underlined and highlighted in the annotated copy.

If you have any questions about this submission, please feel free to call me at 770-594-6356

Sincerely,

Joseph W. Burley PhD
Agent for Oxon Italia S.p.A.

cc: [illegible]
cc: [illegible]
cc: [illegible]
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Annotated

5/29

Oxon Italia

Sim-Trol™ 9DF

Dry Flowable Herbicide

For Weed Control in certain crops and ornamental plantings

NOTIFICATION

APR 9 - 2010

Active Ingredient:

Simazine (2-Chloro-4,6-bis (ethylamino)- s-triazine)	90.0%
Other Ingredients:	10.0%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF 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 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 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.

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

Emergency telephone numbers: (800) 424-9300 CHEMTREC (transportation and spills)
(800) 900-4044 Poison Control Center (human health)
(800) 345-4735 ASPCA (animal health)

See inside panel for additional precautionary statements.

Net Contents: ____ lbs (____ kg)

EPA Reg. No. 35915-12

EPA Est. No. _____

OXON ITALIA S.p.A.

Via Sempione, 195 - 20016 PERO

MILANO - ITALY

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on skin. Do not breathe spray mist.

Personal Protective Equipment

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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

Engineering Controls Statements

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

Simazine is a chemical which can travel (seep or leach) through soil and enter ground water which may be used as drinking water. Simazine has been found in ground water as a result of agricultural use. Users are advised not to apply Simazine where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well-drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and location of ground water.

DIRECTIONS FOR USE

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

ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Simazine Watershed Information Center (SWIC) to determine whether the use of this product is prohibited in your watershed. SWIC can be accessed through www.simazine-watershed.info or 1-888-365-2874. If the SWIC indicates that use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Oxon Italia for a refund.

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

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. 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, waterproof gloves and 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.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

Storage: Store in a dry place. Do not contaminate water, food, or feed by storage or disposal.

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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

GENERAL INFORMATION

Apply this herbicide before weeds emerge or after removal of weed growth. SIM-TROL 9DF controls a wide variety of annual broadleaf and grass weeds when used at selective rates in agricultural crops and ornamental plantings.

Where a range of application rates is given, use the low rate on coarser-textured soil and soil lower in organic matter; use the high rate on finer-textured soil and soil higher in organic matter.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

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Since this product enters weeds mainly through their roots, moisture is needed to move it into the root zone. Very dry soil conditions and lack of rainfall following application may necessitate shallow cultivation.

This product is non-corrosive to equipment, non-flammable, and has low electrical conductivity.

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

FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.

ANNUAL WEEDS CONTROLLED

alyssum	common lambsquarters
annual bluegrass	nightshade
annual morningglory	pepperweed
annual ryegrass	pigweed
barnyardgrass (watergrass)	pineappleweed
burclover	prickly lettuce
carelessweed	common purslane
carpetweed	ragweed
common chickweed	rattail fescue
crabgrass (<i>Digitaria</i> spp.)	redmaids
downey brome (cheatgrass)	Russian thistle
fall panicum	sheepspurse
fiddleneck	signalgrass (<i>Brachiaria</i> spp.)
filaree	silver hairgrass
fireweed	smartweed
fivehook bassia	spanishneedles
Flora's paintbrush	speedwell
Florida pusley	tansymustard
foxtails	wild mustard
goosegrass	wild oats
groundsel	witchgrass
henbit	yellow flower pepperweed
juglerice	
knawel (German moss)	

Following many years of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and related herbicides. Where this is known or suspected, and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in registered combinations or in sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered nontriazine herbicide. Consult with your State Agricultural Extension Service for specific recommendations.

APPLICATION PROCEDURES

Ground Application: Use conventional ground sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and the same size.

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Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Unless otherwise specified, use a minimum of 20 gals. of spray mixture per acre.

Use a pump with capacity to: (1) maintain 35-40 psi at the nozzles, (2) provide sufficient agitation in the tank to keep the mixture in suspension, and (3) to provide a minimum of 20% bypass at all times. Use centrifugal pumps which provide propeller shear action for dispersing and mixing this product. The pump should provide a minimum of 10 gals./minute/100 gal. tank size circulated through a correctly positioned sparger tube or jets.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of the 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 band applications, calculate amount to be applied per acre as follows:

$$\frac{\text{band width in inches}}{\text{row width in inches}} \times \text{broadcast per acre} = \text{amount needed per acre of field}$$

Aerial Application: Use aerial application only where specified in the use directions. Apply in a minimum of 1 gal. of water for each qt. of herbicide applied per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Avoid application directly to animals or humans. Flagmen and loaders should avoid inhalation of dust or spray mist, and prolonged contact with skin.

MIXING INSTRUCTIONS

Mixing procedures - All Uses: (1) Be sure sprayer is clean and not contaminated with any material, as crop injury or sprayer clogging may result. (2) Fill tank ¼ full with clean water, nitrogen solution, or complete liquid fertilizer and start agitation. (3) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface. (4) Pour product directly from bag into the tank. (5) Continue filling the tank until 90% full. Increase agitation if necessary to maintain surface action. (6) Add tank mix herbicide(s) after this product is thoroughly suspended. (7) Finish filling tank, maintaining sufficient agitation to avoid separation of tank contents, and empty tank as completely as possible before re-filling in order to prevent buildup of oil or emulsifiable concentrate residue from possible tank mix herbicides. (8) If an oil or emulsifiable concentrate film starts to build up in the tank, drain it and clean with strong detergent solution or solvent. (9) Immediately after use, clean sprayer thoroughly by flushing system with water containing a detergent.

COMPATIBILITY TEST: To determine the tank mix compatibility of SIM-TROL 9DF with liquid fertilizer, crop oil, spreaders, or recommended pesticides, use this test method. Nitrogen solutions or complete fluid fertilizers may replace all or part of the water in the spray in corn. Since liquid fertilizers can vary, even within the same analysis, check compatibility each time before use. Be especially careful when using **complete** suspension or fluid fertilizers, as serious compatibility problems are more apt to occur. Commercial application equipment may improve compatibility in some instances. Check compatibility using this procedure:

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- 1) Add 1 pint of liquid carrier (water, fertilizer suspension or solution) to each of two (2) one-quart jars with tight lids.
- 2) To **one** of the jars add $\frac{1}{4}$ teaspoon (1.2 milliliters) of a compatibility agent approved for this use ($\frac{1}{4}$ teaspoon in one quart of compatibility test mixture is equivalent to approximately 2 pints per 100 gallons of spray mixture). Shake or stir gently to mix. When an adjuvant is to be used with this product, Oxon Italia S. p. A. recommends the use of Compex[®], Unite[®] or a Chemical Producers and Distributors Association (CPDA) certified adjuvant.
- 3) To **both** jars add the appropriate amount of herbicide(s) intended to be tank mixed. If more than one type of formulation is to be used, first add dry product(s), then flowables or liquid suspension concentrates, and emulsifiable concentrates last. After each addition, cap and shake the mixture gently to thoroughly mix. The appropriate amount of each herbicide to be used for this test is as follows (assuming a spray volume of 25 gals./A):
Dry products: For each pound per acre, add approximately 1.5 level teaspoons to each jar. Fluff up wettable powder products before measuring.
Liquid products: For each pint per acre, add 0.5 teaspoons (2.5 milliliters) to each jar. For a spray volume other than 25 gals./A, change the teaspoons added to each jar as follows:

$$\frac{25 \text{ gals.} \times \text{no. teaspoons given above}}{\text{desired gals. spray volume per acre}} = \text{teaspoons to add to each jar}$$
- 4) After adding all ingredients, put lids on and tighten, then invert each jar ten times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, grease, gels, medium to heavy oily film in the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the contents of the two jars. If either mixture separates, but can be remixed readily, the mixture probably can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (A) slurry the dry herbicide(s) in water before addition, or (B) add $\frac{1}{2}$ of the compatibility agent to the fertilizer and the other $\frac{1}{2}$ to the emulsifiable concentrate or flowable herbicide before addition to the mixture. If still incompatible, do not use the materials mixed in the same spray tank.

PERENNIAL CROP REPLANTING

If replanting perennial crops do not apply SIM-TROL 9DF in the year preceding planting these crops, unless otherwise stated in this label, or crop injury may occur.

FRUIT AND NUT CROPS

Apply the spray to the orchard or vineyard floor avoiding contact with fruit, foliage or stems. Recommended rates are based on broadcast treatment. For band applications or spot applications around fruit or nut trees, reduce the broadcast rate of this product and water per acre in proportion to the area actually sprayed.

Use Precautions and Restrictions (all fruit and nut crops): To avoid crop injury, (1) Apply only to orchards or groves where trees have been established one year or more unless specified differently. (2) Make only one application per year, except as noted otherwise. (3) Do not use on gravelly, sand, or loamy sand soil. (4) Immediately following application, limit overhead sprinkler irrigation to $\frac{1}{2}$ inch.

ALMONDS, PEACHES AND NECTARINES: (CA only): Apply 1.1-2.2 lbs. per treated acre in a 2-4 ft. band on each side of the tree row. Apply before weeds emerge in late fall or early winter.

Weeds controlled by 1.1 lbs. include burclover, common chickweed, wild mustard, and shepherdspurse. Apply only once per year.

Use Precautions and Restrictions: To avoid crop injury, (1) Do not treat trees established in the grove less than 3 years. (2) Do not treat the Mission (TX) variety of almonds. (3) Do not apply to almond trees propagated on plum rootstocks. (4) Do not replant almonds, peaches or nectarines in treated soil for 12 months after treatment. (5) Do not apply to soil with less than 1% organic matter. (6) Do not treat areas where water will accumulate.

APPLES, PEARS, SOUR CHERRIES: Apply 2.2-4.4 lbs. per acre.

AVOCADOS (CA and FL only): Apply 2.2-4.4 lbs. per acre after final preparation of grove.

BLUEBERRIES AND CANEBERRIES (blackberries, boysenberries, loganberries, raspberries): Apply 2.2-4.4 lbs. per acre in the spring or apply a split application of 2.2 lbs. per acre in the spring plus 2.2 lbs. per acre in the fall. Apply in a minimum of 40 gallons of water per acre.

On plantings less than 6 months old use ½ the above rate.

To control quackgrass, apply 4.4 lbs. per acre in the fall or split the application applying 2.2 lbs. per acre in the fall plus 2.2 lbs. per acre in the spring, when quackgrass is actively growing.

Use Precaution and Restriction: Do not apply when fruit is present, as illegal residues may result.

CRANBERRIES (MA): Apply up to 4.4 lbs. per acre either before spring growth begins or in the fall after harvest.

Other areas: Apply 2.2 lbs. per acre before spring growth begins.

FILBERTS: Apply 2.2-4.4 lbs. per acre in the fall or apply a split application of 2.2 lbs. per acre in the fall plus 2.2 lbs. per acre in the spring.

Use Precautions and Restrictions: (1) If trees are planted on a hillside, excessive soil erosion may result from the elimination of weeds. (2) Do not apply when nuts are on the ground during the harvest.

GRAPES: Apply 2.2-5.3 lbs. per acre any time between harvest and early spring.

Use Precaution and Restriction: Do not use in vineyards established less than three years, or crop injury may occur.

GRAPEFRUIT, LEMONS, ORANGES

AZ (Lemons, Oranges only): Apply a split application of 1.75 lbs. per acre in the spring plus 1.75 lbs. per acre in the fall.

CA: (Grapefruit, Lemons and Oranges): Apply 2.2-4.4 lbs. per acre in a single application, or apply 2.2 lbs. per acre in the fall and 2.2 lbs. per acre in the spring.

Use Precaution and Restrictions: Do not use in the Imperial, Coachella, or Palo Verdes Valleys, or crop injury may occur.

FL (Grapefruit and Oranges only): Apply 4.4 lbs. of SIM-TROL 9DF to weed-free soil during the spring and/or fall to control weeds expected to emerge during these periods. Apply prior to emergence of weeds or after emerged weeds have been controlled with a contact herbicide. Use caution to keep the treatment off the foliage, fruit, or trunk of citrus trees.

For control of difficult species, such as balsamapple vine and spanishneedles, and partial control of honeyvine milkweed, apply 8.8 lbs. of SIM-TROL 9DF as a single application in the spring as a 50% band application to the grove acre. Apply in the spring growing season between January and

April. Do not make a fall application if this treatment was used in the spring. When emerged weeds are present, apply this product in tank mixture with a recommended contact herbicide. Follow all directions, precautions, limitations, etc. on the tank mix products.

TX (Grapefruit & Oranges only): Apply 4.4-5.3 lbs. per acre.

Use Precautions and Restrictions (All areas): To avoid crop injury, (1) Do not use in nurseries. (2) Do not apply to bedded grapefruit, lemons or oranges (except for FL grapefruit and oranges). (3) Do not apply to trees under stress from freeze damage for one year after the freeze. (4) In FL, do not exceed 8.8 lbs. of this product during any one growing season.

MACADAMIA NUTS: Apply 2.2-4.4 lbs. in 50 gallons of water per acre before harvest and just prior to weed emergence. Repeat application as necessary.

Use Precaution and Restriction: Do not apply when nuts are on the ground during the harvest period, as illegal residues may result.

OLIVES: Apply 2.2-4.4 lbs. per acre following grove preparation in the fall. Repeat annually in midwinter.

PEACHES, PLUMS, SWEET CHERRIES: Apply 1.75-4.4 lbs. per acre. Apply in late fall to early spring prior to weed emergence.

Use Precautions and Restrictions: To avoid crop injury, (1) Peaches: use only in AR, LA, MO, OK, TX, and the states east of the Mississippi River. For CA, see specific directions in the Almonds, Peaches, and Nectarines (CA only) section. (2) Plums and sweet cherries: use only in MO and states east of the Mississippi River except, TN.

PECANS: Apply 2.2-4.4 lbs. per acre before weeds emerge in the spring.

Use Precautions and Restrictions: To avoid crop injury, (1) Do not use west of the Pecos River in TX or in NM, AZ or CA, as injury will occur. (2) Do not make applications to transplanted trees that have been established less than two years in the grove. (3) Do not apply when nuts are on the ground, or illegal residues may result. (4) Do not allow animals to graze treated areas.

STRAWBERRIES (OR and WA Only): For control of chickweed, groundsel, mustard, and shepherdspurse, apply broadcast 1.1 lbs. per acre. In fields where overhead irrigation is used to activate this product, apply after harvest at time of bed renovation. In fields where overhead irrigation is not available, apply during early October through November.

Use Precautions and Restrictions: To avoid crop injury, (1) Make only one application per growing season. (2) Do not apply within 4 months after transplanting.

WALNUTS: Apply 2.2-4.4 lbs. per acre.

Use Precautions and Restrictions: (1) Leveling and furrowing operations after application will lessen effectiveness of weed control. (2) Do not apply when nuts are on the ground, or illegal residues may result.

Tank Mixture with Bromacil 80W for Grapefruit and Oranges (Florida only)

Use on grapefruit and oranges in FL for control of balsamapple, black nightshade, carpetweed, crabgrass, cudweed, dayweed, Florida pusley, horseweed, pepperweed, pigweed, poorjoe, ragweed, rattlebox, spanishneedles and sandbur, and for partial control of bermudagrass, bahiagrass, pangolagrass, paragrass, and torpedograss. Apply 4.4 lbs. of SIM-TROL 9DF plus 2.4-3.2 lbs. ai of bromacil 80W per acre beneath trees in a minimum of 40 gals. of water per acre before

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or soon after weed growth begins. Use caution to keep the spray off the foliage, fruit, or trunk of citrus trees. Temporary yellowing of citrus leaves may occur following treatment.

Follow use and precautionary directions on the bromacil label.

Use Precautions and Restrictions: To avoid crop injury, (1) Do not use in nurseries, or where trees are under stress from freeze damage for one year after the freeze. (2) Do not use on soil with less than 1% organic matter or on poorly drained soil. (3) Do not treat trees planted in irrigation furrows. (4) Do not treat diseased trees such as those with foot rot. (5) Do not use in groves interplanted with other trees or desirable plants, nor in home grapefruit or oranges plantings, or in areas where roots of other valuable plants or trees may extend. (6) Treated areas may be planted to citrus trees one year after application. (7) Do not rotate to other crops within two years after application. (8) Apply only once per year and avoid contact with foliage and fruit with spray or mist, or illegal residues may result.

Tank Mixture with Paraquat

This tank mix is effective in the following fruit and nut crops for kill of existing vegetation and for residual control of the annual broadleaf and grass weeds claimed for this product applied alone. This combination is also effective for top kill and suppression of perennial weeds. In FL, this mixture may be applied in spring or fall to emerged weeds.

Use this tank mix on these crops:

Almonds (CA only)	Macadamia nuts*
Apples	Olives
Avocados (CA & FL ¹ only)	Oranges ²
Cherries (sour and sweet ⁴)	Peaches ³
Filberts	Pears
Grapefruit (CA & TX only)	Pecans
Grapes	Plums ⁴
Lemons (AZ & CA only)	Walnuts

Apply the SIM-TROL 9DF rate given under the appropriate crop on this label plus 0.56-0.94 lbs. Paraquat cation in 50-200 gals. (30-50 gals. for pecans) of water per acre to the orchard floor avoiding contact with fruit, foliage, or stems. Add a nonionic surfactant, such as X-77[®], at 0.5 pt. per 100 gals. of spray. Apply when weeds are succulent and new growth is 1-6 inches tall. For mature woody weeds or difficult to control perennial weeds, re-treat or spot treat with paraquat if regrowth occurs.

Add this product to the spray tank first (refer to **Mixing procedures** section of this label), then add paraquat, and add the surfactant last. Provide constant agitation during mixing and application to keep the mixture in suspension.

Use Precautions and Restrictions: To avoid crop injury, (1) Apply the tank mix only once per year. (2) Use a shield for young trees or vines.

Refer to the labels of both products for further directions, specific weeds controlled, and precautions and limitations on each crop.

¹In avocados in FL, this tank mix also controls balsamapple, rattail amaranth, and at the higher rate of each herbicide, it suppresses coral vine.

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²In oranges in FL, apply 4.4 lbs. of this product per acre per application during Spring or Fall. Do not exceed 8.8 lbs. of SIM-TROL 9DF during any one growing season.

³Limited to AR, CA, LA, MO, OK, TX, and states east of the Mississippi River. As appropriate, refer to the sections **Almonds, Peaches, and Nectarines (CA only)** or **Peaches, Plums, and Sweet Cherries** for rate of this product and other information.

⁴Limited to MO and states east of the Mississippi River except TN.

Tank Mixture with Glyphosate

This tank mixture is effective in grape vineyards and in the following bearing or nonbearing tree crops for control of existing vegetation and for residual control of the annual broadleaf and grass weeds claimed for this product applied alone. This combination is also effective for partial control of perennial weeds contacted by the spray mixture during application.

Use this tank mixture on these crops:

Almonds** (CA only)	Macadamia nuts**
Apples*	Oranges* (AZ, CA, FL & TX)
Avocados* (CA & FL only)	Peaches* ¹
Cherries (sour and sweet ²)	Pears*
Filberts**	Pecans**
Grapefruit* (CA, FL, TX)	Plums* ²
Grapes*	Walnuts**
Lemons* (AZ and CA)	

Use the appropriate rate given elsewhere on this label for SIM-TROL 9DF applied alone to the crop being treated. Add to the spray tank 1-5 lbs. ai of glyphosate per acre depending on weeds present and their growth stage. Also add an agriculturally approved nonionic surfactant at 0.5% by volume of spray solution only if glyphosate product does not have nonionic surfactant added. Apply the mixture in 10-40 gals. of water per acre as a postemergence spray to the weeds at the appropriate weed growth stage given on the glyphosate product label.

Add SIM-TROL 9DF to the spray tank first, then add glyphosate product. Provide constant agitation during mixing and application to keep the mixture in suspension. Refer to **Applications Procedures** section of this label for further directions.

Use Precautions and Restrictions: To avoid crop injury, take extreme care to avoid contact of herbicide solution, spray, drift, or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of trees or vines. Observe precautions on both the SIM-TROL 9DF and glyphosate product labels for each crop involved.

Refer to the labels of both herbicides for further directions, specific weeds controlled, precautions and limitations on each crop.

*Allow a minimum of 14 days between last application and harvest of these crops.

**Allow a minimum of 21 days between last application and harvest of these crops.

¹Limited to AR, CA, LA, MO, OK, TX, and states east of the Mississippi River. For CA, see specific directions in the **Almonds, Peaches, and Nectarines (CA only)** section.

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²Plums and sweet cherries: limited to MO and states east of the Mississippi River except TN.

Tank Mixture with Norflurazon (Solicam®)

For improved control of such weeds as clover (except CA), cutleaf evening primrose (except CA), dandelion (except CA), henbit, horseweed or marestail, lambsquarters, and puncture vine, apply SIM-TROL 9DF in tank mixture with norflurazon on these crops:

Oranges grapefruit lemons

Apply 4.4 pounds per acre of SIM-TROL 9DF plus 3.1-3.9 lbs. ai of norflurazon in 20-100 gallons of water per acre. Use the same rates in all coarse-textured soils. Do not apply this combination more than 2 times per year. SIM-TROL 9DF + norflurazon may be applied in tank mixture with paraquat or glyphosate.

Refer to the labels of the respective herbicides in the mixtures when applying tank mixtures.

Use Precaution and Restriction: Keep SIM-TROL 9DF + norflurazon mixtures from contacting foliage, fruits and stems of citrus trees during spraying.

Tank Mixture with Oryzalin (Surflan®)

Use the tank mix in the following crops for preemergence control of all weeds claimed on both labels:

Almonds	Grapes	Pears
Apples	Grapefruit	Pecans
Avocados	Lemons	Plums
Caneberries	Orange	English Walnuts
Cherries	Peaches	

Filberts [crop was omitted on last submission, was on previous EPA stamped label dated 11/9/95]

Apply the SIM-TROL 9DF rate given under the appropriate crop on this label plus 2-4 lbs. ai of oryzalin in 20-40 gals. of water per acre. Refer to the oryzalin product label for complete tank mix directions. Observe all precautions and limitations on the SIM-TROL 9DF and oryzalin labels.

FIELD AND FORAGE CROPS

CORN: Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier. Determine the physical compatibility of this product with fertilizer before use. Refer to the **General Information** section of this label for a compatibility test. Do not apply after corn has emerged, as there is danger of liquid fertilizers causing crop injury.

PREEMERGENCE: Apply before weeds and corn emerge. Use the appropriate rate in the table below.

PREPLANT: Apply in the spring after plowing at the appropriate rate in the table below. Apply before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. Best results will be obtained when this product is applied within 2 weeks before planting. Under dry weather conditions, preplant applications may give better weed control. If weeds develop, particularly under relatively dry conditions, a shallow cultivation will generally result in better weed control.

Soil Texture	Broadcast* Rate/Acre
Coarse-textured soil: Sand, silt, and loam that	2.2 lbs.

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is low in organic matter	
Medium-textured soil: Soil containing a moderate amount of clay and organic matter	2.6 lbs.
Fine-textured soil: Loam high in organic matter and clay (including dark prairie soils of Corn Belt)	3.3 lbs.
Organic soil: Peal, muck, and high-organic clay	4.4 lbs.

*For calculation of band treatment rate, see the **General Information** section.

TO CONTROL QUACKGRASS: Apply 3.3-4.4 lbs. per acre in the fall. Plow two to three weeks later, or if erosion is a problem, delay plowing until spring. Do not plant any crop except corn in the spring following treatment. Do not graze treated area.

Winter Annual Broadleaf Control - Preemergence Fall Application

For preemergence control of winter annual weeds, such as common chickweed, henbit, shepherdspurse, tansymustard, wild mustard, annual bluegrass, downy brome, and others, broadcast 1.1 lbs. per acre of SIM-TROL 9DF after harvest of the preceding crop and prior to weed emergence on land to be planted to corn the following year. A tillage operation may precede the application. Do not apply to frozen ground. If this product is used in the fall corn weed control program, do not exceed 2.2 lbs. of this product preemergence in the spring.

Use Precautions and Restrictions: (1) Do not apply more than 4.4 lbs. per acre to corn per year. (2) Do not rotate to any crop except corn until the following year, as injury may occur. (3) After harvest, plow and thoroughly till the soil in fall or spring to minimize possible injury to spring-seeded rotational crops, regardless of the rate used. (4) If more than 3.3 lbs. is used per acre (or equivalent rate in a band), a crop of untreated corn should precede the next rotational crop. (5) Do not apply preplant incorporated in corn in the High Plains and Intermountain areas of the West (including central and western KS, western NE, western OK, and the Panhandle of TX) where rainfall is sparse and erratic or where irrigation is required. (6) In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use this product to control weeds in corn only when corn is to follow corn or when a crop of untreated corn is to precede another rotational crop. (7) In western MN and eastern parts of the Dakotas, NE, and KS, do not plant soybeans following corn treated with this product if more than 2.2 lbs. per acre (or equivalent rate in a band) was applied as injury may occur. (8) Injury may occur to soybeans planted in north-central and northwest IA, south-central and southwest MN, northeast NE, southeast SD, and other areas the year following application on soils having a calcareous surface layer. (9) Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and grasses the year after an application, as injury may occur.

TANK MIXTURES ON CORN

ATRAZINE: Use this product in a preplant or preemergence tank mixture with ATRAZINE 90DF, or ATRAZINE 4L for control of many annual weeds, including carpetweed, crabgrass, fall panicum, lambsquarters, morningglory, pigweed, ragweed, and velvetleaf. Refer to the Atrazine label for additional directions.

Apply at the rates given below. Use the 1:1 ratio for most weeds and the 2:1 ratio for expected heavy infestations of crabgrass and fall panicum.

Soil Texture	Broadcast Rate Per Acre	
	1:1 Ratio	2:1 Ratio

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	Sim-Trol 9DF	Atrazine 90DF	Sim-Trol 9DF	Atrazine 90DF
Sand, loamy sand, sandy loam	1.1 lbs.	1.1 lbs.	1.5 lbs.	0.75 lbs.
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with low organic matter	1.33 lbs.	1.33 lbs.	1.8 lbs.	0.9 lbs.
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with medium to high organic matter, and clay (including dark prairie soils of the Corn Belt)	1.6 lbs.	1.6 lbs.	2.1 lbs.	1.05 lbs.

*When using Atrazine 4L, use equivalent rates. 1.1 lb. of Atrazine 90DF equals 1 qt. of Atrazine 4L.

Refer to the Atrazine label for complete directions. Also refer to the Atrazine label and the Corn section of this label for precautions and limitations.

PARAQUAT: Use in a tank mixture where corn will be planted directly in a cover crop, established sod, or previous crop residues. This combination controls existing vegetation and provides residual control of the annual broadleaf and grass weeds listed under the **General Information** section.

Add this product to the spray tank, mix thoroughly with water, and then add paraquat and a non-ionic surfactant. Provide constant agitation during mixing and application to keep the mixture in suspension.

Apply 2.2-3.3 lbs. of this product plus 0.28-0.47 lbs. of paraquat cation in 20-60 gals. of water per acre as a broadcast spray either before or after planting but before corn emerges. Add a nonionic surfactant at the rate of 0.5 pt. per 100 gals. of spray volume.

For further information, see general information, caution and warning statements, precautions, and notes on the SIM-TROL 9DF and the paraquat labels.

NURSERIES, CHRISTMAS TREE PLANTINGS, SHELTER BELTS

NURSERIES (See list below): Apply 2.2-3.4 lbs. of SIM-TROL 9DF in at least 25 gallons water per acre in fall or spring at least one year after transplanting.

CHRISTMAS TREE PLANTING AND SHELTER BELTS (See list below): Remove weed growth before application. Apply 2.2-4.4 lbs. of SIM-TROL 9DF in at least 25 gallons of water per acre after transplanting. Use the same rate for annual maintenance applications.

For quackgrass control apply 4.4 lbs. per acre in the fall or apply a split application of 2.2 lbs. per acre in the fall plus 2.2 lbs. per acre in early spring, after quackgrass begins growth.

Use Precautions and Restrictions: To avoid tree injury, (1) Do not use on seedbeds or cutting beds. (2) In CA, OR, and WA, do not apply to Christmas trees or shelterbelts sooner than one year after transplanting. In other areas, do not apply to Christmas tree or shelterbelt transplants less than two years of age. (3) Do not use until soil is firmly settled around roots. (4) Do not apply more than once a year, except as directed for quackgrass control.

Apply to these species of trees and shrubs, as recommended above:

CONIFERS

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arborvitae	red spruce
Austrian pine	white spruce
*Bishop pine	balsam fir
*knobcone pine	Douglas fir
lodgepole pine (shore pine)	Fraser fir
*Monterey pine	white fir
Mugho pine	hemlock
red pine (Norway pine)	juniper
Scotch pine	red cedar
white pine	white cedar
blue spruce	yew (<i>Taxus</i> spp.)
Norway spruce	

DECIDUOUS TREES AND WOODY ORNAMENTALS

American elm	<i>Pieris</i> spp.
Siberian elm	(max. 3.5 lbs./ A)
barberry	red maple
boxelder	**sugar maple
bush honeysuckle	red oak
caragana	white ash
cotoneaster	Russian olive
dogwood	*oleander
eucalyptus	*palm (2.2 lbs./ A)
holly (<i>Ilex</i> spp.)	*bottle brush
(max. 3.5 lbs./ A)	*carob
honey locust	
Oregon grape	
(<i>Mahonia</i> spp.)	

*For CA only

**Note: Do not use on sugar maple trees intended for syrup production.

Oryzalin (Surflan) Tank Mix: On Christmas tree plantings, use this tank mix for preemergence control of weeds listed on the oryzalin product label. Use on field grown conifer species listed on the labels for each herbicide plus grand fir, alpine fir, Engelmann spruce, black spruce, Colorado blue spruce, Coulter pine, giant redwood, and Veitchi fir. Broadcast the mixture as a directed spray to the soil surface or as an overtop spray, using 2.2-4.4 lbs. of SIM-TROL 9DF and 2-4 lbs. ai of oryzalin. Apply in sufficient water per acre to uniformly treat the area. Follow overtop sprays with sprinkler irrigation to move the herbicide from leaf surfaces to the soil. Remove weed growth before application. Mix weed residues, prunings, or trash into the soil, or remove them before treatment. Soil should be in good tilth and free of clods at time of application. Shallow cultivation (1-2 inches) after treatment will not reduce weed control. Observe all precautions and limitations on the SIM-TROL 9DF and oryzalin labels.

Note: Length of weed control may be reduced when continuous wet soil conditions follow herbicide application.

Use Precautions and Restrictions: To avoid plant injury, (1) Do not use on seedbeds or on unrooted cuttings. (2) Do not use in greenhouses or other enclosed areas.

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TREE PLANTATIONS FOR TIMBER

Apply in the spring before weeds emerge or following removal of weed growth. Apply before or after seedling transplanting. If applying after transplanting, application may be made over the top of tree seedlings before new growth appears. If new growth is present, direct the spray to avoid tree foliage contact. Do not use on seed nurseries or injury may occur. Apply only once per year.

The following rates are based on broadcast treatment in 20-100 gallons of water per acre. For band or spot application, reduce the broadcast rate in proportion to the area actually sprayed.

BLACK WALNUTS: Apply 2.2-4.4 lbs. per acre.

SLASH PINE AND WHITE PINE: Use for establishment in the South only. Apply 4.4-6.6 lbs. per acre.

LOBLOLLY PINE: Use for establishment in the South only. Apply either 4.4-6.6 lbs. of this product per acre or a tank mix of 3.5-5.3 lbs. of this product plus 1-2 lbs. of **ATRAZINE 90** or 0.8-1.6 qts. **ATRAZINE 4L** per acre. The tank mix provides broad spectrum annual weed control (see list in **General Information** section of this label) and better weed control in limited rainfall areas than this product alone.

TURFGRASSES FOR SOD (For Florida Only)

ST. AUGUSTINEGRASS, CENTIPEDEGRASS, AND ZOYSIA GRASS: Apply 2.2-4.4 lbs. of SIM-TROL 9DF per acre, according to soil texture as indicated below.

Muck or Peat	4.4 lbs.	Old beds	within 2 days after lifting of sod
		New beds	3-4 days after sprigging or plugging
Sandy Soil	2.2 lbs.	Old beds	within 2 days after lifting of sod
		New beds	7-10 days after sprigging or plugging

If weeds regrow, apply an additional 2.2 lbs. on muck or peat, or 1.1 lbs. on sandy soil.

Use Precaution and Restriction: Do not apply within 30 days before cutting or lifting.

TURFGRASS FOR FAIRWAYS, LAWNS, SOD PRODUCTION* AND SIMILAR AREAS

*In states other than Florida.

Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysia Grass.

Apply SIM-TROL 9DF after September 1 (after October 1 for annual bluegrass) before emergence of winter annual weeds. SIM-TROL 9DF will control annual bluegrass, burclover, lawn burweed, common and mouseear chickweed, corn speedwell, henbit, hop clover, spurweed and parsley-piert. For control of summer annual weeds listed in the **General Information** section of this label, apply SIM-TROL 9DF in late winter before the weeds emerge. Apply in a minimum of 15 gallons of water per acre.

Irrigate with 1/2 inch of water if rainfall does not occur within 10 days after preemergence treatment.

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Where annual bluegrass is the major weed, use 1.1 lbs. of SIM-TROL 9DF per acre (0.4 oz./1,000 sq.ft.). Use 1.1-2.2 lbs. per acre (0.4-0.8 oz./1,000 sq.ft.) for control of other weeds. However, do not exceed 1.1 lbs. per acre per treatment on newly sprigged Turfgrass or on hybrid bermudagrass such as Tiflawn, Tifway and Ormond.

For control of summer annuals which emerge after the initial application, apply an additional 1.1 lbs. per acre at least 30 days after the initial application, but not after June 1. Do not make more than two applications per year.

Use Precautions and Restrictions: On newly sprigged turfgrass, hybrid bermudagrass, nondormant bermudagrass, or nondormant Zoysia grass, temporary slowing of growth and yellowing may occur following application. To avoid turf injury, (1) Use only on turfgrass reasonably free of infestations of insects, nematodes and diseases. (2) Do not use on golf greens. (3) Do not use north of NC, (except may be used in VA Coastal Plains) or on soil with a pH above 7.8. (4) Do not use on muck or alkaline soils. (5) Do not apply over the rooting area of trees or ornamentals not listed on this label. (6) Do not seed or overseed with desirable turfgrass within 4 months before or 6 months after treatment. (7) Do not apply this product on newly seeded grasses until they have overwintered and have a well-developed rhizome system. (8) Do not exceed 2.2 lbs. per acre within 12 months of seeding grasses.

Note: Do not graze or feed turf clippings to animals, or illegal residues may result.

NOTICE OF WARRANTY

OXON warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of OXON. In no case shall OXON be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. OXON MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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