

75523-6

9-28-2004

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 75523-6	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AgValue-ORYZA, LLC/ ORYZA T&O	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) AgValue-ORYZA, LLC c/o Pyxis Regulatory Consulting, Inc. 11324 17th Ave. Ct. NW Gig Harbor, WA 98332 <input 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 _____	NOTIFICATION SEP 28 2004
<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.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of label notification to add product trademark references and correct typographical errors per PRN 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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.

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" Package 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 Michael Kellogg	Title Agent	Telephone No. (Include Area Code) (253) 853-7369
2. Signature 		6. Date Application Received (Stamped)
3. Title Agent		
4. Typed Name Michael Kellogg		
5. Date 9/13/04		

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.

SEP 28 2004

ORYZA T&O

Specialty Herbicide

A selective preemergence surface-applied herbicide for control of annual grasses and many broadleaf weeds in:

- Landscape Ornamentals
- Container Grown Ornamentals
- Field Grown Ornamentals
- Drainage Areas Under Shadehouse Benches
- Ornamental Bulbs
- Ground Covers/Perennials
- Christmas Tree Plantations
- Non-bearing fruit and nut trees and non-bearing vineyards
- Noncropland and Industrial Sites
- Established Warm Season Turf
- (including Bahiagrass, Bermudagrass, Buffalograss, Centipedegrass, St. Augustinegrass and Zoysiagrass)
- Tall Fescue (warm season areas)

ACTIVE INGREDIENT:

Oryzalin: 3,5-dinitro-*N*⁴, *N*⁴-dipropylsulfanilamide..... 40.4%

OTHER INGREDIENTS: 59.6%

TOTAL:..... 100.0%

Contains four pounds of active ingredient per gallon.

Keep Out of Reach of Children

CAUTION PRECAUCION

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

For 24-Hour Emergency Contact, call CHEMTREC (1-800-424-9300)

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.</p>	

See inside label booklet for additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 75523-6

EPA Est. No.

Net Contents:

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION

Causes Moderate Eye Irritation • Prolonged or frequently repeated contact may cause allergic reactions in some individuals • Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks
- Mixers and loaders must wear a chemical-resistant apron in addition to other PPE.

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

ENGINEERING CONTROLS STATEMENTS

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

User Safety Recommendations

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 when disposing of equipment washwaters. Cover or incorporate spills.

Notice: Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" elsewhere on this label.**

In case of emergency endangering health or the environment involving this product, call 800-424-9300. If you wish to obtain additional product information, visit our web site at www.agvalue.net.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Shake Well Before Using.

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.

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Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

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.

Workers may enter treated areas without required PPE during the reentry interval following 1/2 to 1 inch of rainfall or irrigation, if they are performing tasks that do not involve contact with the soil subsurface; otherwise, 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
- 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.

Entry Restrictions for Non-WPS Uses: Keep all persons, children and pets out of treated area until sprays have dried.

GENERAL INFORMATION

ORYZA T&O herbicide is a preemergence, surface-applied product for the control of many annual grasses and broadleaf weeds in ornamental plantings, bulbs, ground covers/perennials, established warm-season turfgrass, Christmas tree plantations, non-bearing trees and vines, and noncropland and industrial sites.

ORYZA T&O is orange in color and may cause temporary discoloration of sprayed surfaces. If this discoloration is undesirable, it may be altered by using a commercially available colorant such as Blazon or removed by spraying surface with water or washing with an industrial cleaner immediately after application. ORYZA T&O may also be applied with mulch colorants, such as Mulch Magic or Nu-Mulch.

Treatment of Plant Species Not Listed on the Label for ORYZA T&O

Users who wish to use ORYZA T&O on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30-60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. The

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user assumes responsibility for any plant damage or other liability resulting from use of ORYZA T&O on plant species not recommended on this label.

Aerial Application: Do not aerially apply this product.

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

Do not graze or feed forage from treated areas to livestock.

Precaution: Avoid spray drift to non-target areas when applying ORYZA T&O. Spray drift may result in reduced emergence of non-target plants adjacent to the treated area. Poor weed control may result if directions are not followed. Over-application may result in crop injury or excessive soil residue.

APPLICATION

Soil Preparation

ORYZA T&O controls weeds growing from seed. ORYZA T&O will not control emerged weeds. ORYZA T&O does not control established weeds, weeds growing from stolens, rhizomes, or root pieces. Therefore, areas to be treated should be free of emerged weeds. Weed residues, prunings, and trash should be thoroughly mixed into the soil or removed prior to treatment. In field applications, the soil should be in good tilth and free of clods at the time of application.

Ground Application: Apply ORYZA T&O as a directed spray to the soil surface or over the top of plants. Use only a properly calibrated, low-pressure, herbicide sprayer that will apply the spray uniformly. Use screens no finer than 50 mesh in nozzles and in-line strainers. Apply the appropriate rate of ORYZA T&O, as outlined in "Approved Uses" section of this label. In all cases, use sufficient water volume to obtain uniform coverage and deliver the desired rate of ORYZA T&O to the treated area. The volume of water used is not critical, as long as the desired rate of ORYZA T&O is delivered uniformly across the area treated. When calibrating, determine the volume of water delivered by the sprayer to a given area (1,000 sq ft, 1 acre, etc.). Then mix the desired rate of ORYZA T&O in the amount of water required to cover the entire area to be treated. As the amount of water used (spray volume) decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily to ensure proper calibration and uniform application. Maintain continuous agitation from mixing through application. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application.

Hand Held or Backpack Sprayer Application: The amount of water used to apply ORYZA T&O herbicide is not critical, but should be sufficient for uniform coverage of the target area. Calibrate by determining the volume of water required to treat 1000 square feet. Use this calibration volume to determine the amount of water and ORYZA T&O herbicide needed to treat the target area (see the following calibration example).

Note: Sprayer calibration (volume of spray needed to treat 1,000 square feet) will vary with each individual operator.

Steps in Calibration:

1. Mark an area of 1,000 square feet (i.e. 20 by 50 feet, or 25 by 40 feet).
2. Place the sprayer on a level surface and add water noting the final level of water in the spray tank.
3. Spray the marked area with a sufficient volume of water to provide uniform coverage. Refill the sprayer to the same level as before measuring the amount of water added. The measured water added to the sprayer is the volume needed to cover 1,000 square feet.
4. Determine the application rate (fl oz/1000 sq ft) for ORYZA T&O from the "Approved Uses" section of this label.
5. To each volume of water used, as measured in step 3, add the amount of ORYZA T&O as determined in step 4.

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Example: If the sprayer used 2 gallons of water to cover 1,000 square feet and the desired application rate of ORYZA T&O is 3 fluid oz/1,000 square feet, then you would add 3 fluid ounces of ORYZA T&O to every 2 gallons of water to be used.

MIXING DIRECTIONS

Shake Well Before Using

Precaution: Do not allow the spray mixture to siphon back into water source.

ORYZA T&O - Alone

Make sure spray tank is clean and use only clean water. Fill spray tank 1/2 - 3/4 full. Start agitation and add the required amount of ORYZA T&O. Continue agitation and finish filling the spray tank. Maintain continuous agitation until application is completed.

ORYZA T&O - Tank Mix Combinations

Prior to mixing, read and carefully follow all label instructions and precautions for each product added to the tank mixture. Vigorous, continuous agitation is required for all tank mixes of ORYZA T&O. Sparger pipe agitators generally provide the best agitation in spray tanks.

Mixing Order: Fill the tank 3/4 full with clean water. Start agitation and add different formulation types in the order indicated below, allowing time for complete mixing and dispersion after addition of each product. Allow extra mixing and dispersion time for dry flowable products.

Add different formulation types in the following order: dry flowables (DF); wettable powders (WP); ORYZA T&O and other aqueous suspensions (AS), flowables (F), and liquids (L); solutions (S); and emulsifiable concentrates (EC).

Continue agitation and finish filling the spray tank with clean water. Maintain agitation until application is completed. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be completely resuspended before spraying is continued. A sparger agitator is particularly useful for this purpose.

Premixing: When tank mixing, initial mixing and dispersion of certain dry flowable or wettable powder products may be improved by premixing with water (slurrying). Adding the slurried material to the spray tank through a wetting screen of 20 or 35 mesh will help assure good initial dispersion.

Equipment Cleaning

If a buildup of material occurs on the walls of the spray tank, it should be removed between fillings by washing with soap and water and rinsing thoroughly. Tanks, lines, screens, and nozzles should be cleaned thoroughly after each use.

Activation and Cultivation

ORYZA T&O will remain stable on the soil surface up to 21 days following application. In the absence of timely rainfall, irrigation can be used to activate ORYZA T&O. A minimum of one-half (1/2) inch of rain or its equivalent in sprinkler irrigation is necessary to activate ORYZA T&O. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate 1-2 inches deep to destroy existing weeds, or remove them by hand. Shallow cultivation to a depth of 1-2 inches will enhance herbicidal effectiveness. Erratic weed control may result if ORYZA T&O is not activated by rainfall, irrigation, or cultivation within 21 days of application, or existing weeds have not been removed.

WEEDS CONTROLLED BY ORYZA T&O

Annual Grasses

Common Name	Scientific Name	Common Name	Scientific Name
barley, little	<i>Hordeum pusillum</i>	junglerice	<i>Echinochloa colomum</i>

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Annual Grasses

Common Name	Scientific Name	Common Name	Scientific Name
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>	lovegrass, Mexican	<i>Eragrostis mexicana</i>
bluegrass, annual (poa)	<i>Poa annua</i>	lovegrass, orcutt	<i>Eragrostis orcuttiana</i>
crabgrass, large	<i>Digitaria sanguinalis</i>	oat, wild	<i>Avena fatua</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>	panicum, browntop	<i>Panicum fasciculatum</i>
crowfootgrass	<i>Dactyloctenium aegyptium</i>	Panicum, fall (spreading panicgrass)	<i>Panicum dichotomiflorum</i>
cupgrass, southwestern	<i>Eriochloa gracilis</i>	panicum, Texas (buffalograss) (Coloradograss)	<i>Panicum texanum</i>
foxtail, bristlegrass	<i>Setaria magna</i>	ryegrass, Italian	<i>Cenchrus incertus</i>
foxtail, giant	<i>Setaria faberi</i>	signalgrass (Brachiaria)	<i>Brachiaria spp.</i>
foxtail, green (pigeongrass)	<i>Setaria viridis</i>		
foxtail, robust	<i>Setaria robusta</i>	sprangletop, red	<i>Leptochloa filiformis</i>
foxtail, yellow	<i>Setaria glauca</i>	witchgrass	<i>Panicum capillare</i>
Goosegrass (silver crabgrass)	<i>Eleusine indica</i>		
Johnsongrass (seedling only)	<i>Sorghum halepense</i>		

Broadleaf Weeds

Common Name	Scientific Name	Common Name	Scientific Name
bittercress	<i>Cardamine oligosperma</i>	pigweed, tumble	<i>Amaranthus albus</i>
carpet weed	<i>Mollugo verticillata</i>	puncturevine	<i>Tribulus terrestris</i>
chickweed, common	<i>Stellaria media</i>	purslane, common	<i>Portulaca oleracea</i>
fiddleneck, coast	<i>Amsinckia intermedia</i>	pusley, Florida (Florida purslane)	<i>Richardia scabra</i>
filaree, redstem	<i>Erodium cicutarium</i>	(Mexican clover) (pusley)	
filaree, whitestem	<i>Erodium moschatum</i>	rocket, London	<i>Sisymbrium irio</i>
groundsel, common	<i>Senecio vulgaris</i>	rockpurslane, desert	<i>Calandrinia ciliata</i>
henbit	<i>Lamium amplexicaule</i>	shepherdspurse	<i>Capsella bursa-pastoris</i>
knotweed, prostrate	<i>Polygonum aviculare</i>	spurge, prostrate	<i>Euphorbia humistrata</i>
lambsquarters	<i>Chenopodium album</i>	woodsorrel, yellow	<i>Oxalis stricta</i>
pigweed, prostrate	<i>Amaranthus blitoides</i>		
pigweed, redroot	<i>Amaranthus retroflexus</i>		
pigweed, spring	<i>Amaranthus hybridus</i>		

WEEDS SUPPRESSED BY ORYZA T&O

Control of the following weeds may be erratic, ranging from poor to excellent, depending upon soil temperature, time of germination, depth of seed in the soil, and amount and timing of soil moisture:

Common Name	Scientific Name	Common Name	Scientific Name
horseweed	<i>Conyza canadensis</i>	nightshade, black	<i>Solanum nigrum</i>
ladysthumb	<i>Polygonum persicaria</i>	ragweed, common	<i>Ambrosia artemisiifolia</i>
lettuce, prickly	<i>Lactuca serriola</i>	smartweed	<i>Polygonum pensylvanicum</i>
mallow, common	<i>Malva neglecta</i>	sowthistle, annual	<i>Sonchus oleraceus</i>
milkweed, climbing	<i>Sarcostemma cynanchoides</i>	spurge, spotted	<i>Euphorbia maculata</i>

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morningglory
mustard, black
mustard, wild

Ipomoea spp
Brassica nigra
Brassica kaber

teaweed (prickly sida)
velvetleaf
wheat, volunteer

Sida spinosa
Abutilon theophrasti
Triticum spp.

APPROVED USES

Ornamental Plantings

ORYZA T&O is recommended for use on certain landscape container- and field-grown established ornamental plants including: trees, shrubs, ground covers/perennials, flowers, non-bearing fruit and nut trees, non-bearing vineyards; and in the production of ornamental bulbs (See "Ornamental Bulbs" section for special use directions).

Broadcast Application Rates

Labeled Use Site	Length of Control	ORYZA T&O		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
		(qt/acre)	(fl oz/1000 sq ft)		
Landscape Ornamentals	2-4 months	2	1.5	2	8
	3-6 months	3	2.2	4	12
	4-8 months	4	3	4	12
Field-grown and container-grown ornamentals	2-4 months	2	1.5	3	8
	3-6 months	3	2.2	3	9
	4-8 months	4	3	3	12

Tank Mix Combinations

Tank mix combinations of ORYZA T&O plus Roundup®, and many other labeled herbicides may be used to control undesirable vegetation in ornamental areas. ORYZA T&O may also be tank mixed with Gallery™ herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in ornamental areas. Applied as directed, these tank mixes of ORYZA T&O will provide control of susceptible weed species listed on the respective labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

ORYZA T&O Plus Roundup®: Tank mix combinations of ORYZA T&O plus Roundup® are recommended to control existing undesirable vegetation. Applied as directed, ORYZA T&O plus Roundup® will provide postemergence control of susceptible weed species listed on the label for Roundup® and residual preemergence control of susceptible weed species listed on the label for ORYZA T&O. Refer to the label for Roundup® for specific use directions, precautions, and limitations before use.

Precautions: Do not apply sprays containing Roundup® over the top of ornamental plants.

Extreme care must be exercised to prevent sprays containing Roundup® from coming in contact with foliage and stems of turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or death may result. If spraying with Roundup® in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage and stems of desirable plants.

Special Use Precautions:

Apply only to established plants that have been transplanted into their growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

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Rooted liners should be removed from their original growing containers and placed in new containers at least two weeks prior to treatment or injury may occur.

To avoid possible injury, do not apply ORYZA T&O to:

- Nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds.
- Unrooted liners or cuttings that have been planted in pots for the first time.
- Pots less than four inches wide.
- Ground covers until they are established and well rooted.
- Ornamental plantings where there is likelihood of runoff onto lawn areas.
- Areas containing dichondra or cool season turfgrass species.

On container grown ornamentals where weed seed germination continues for extended periods of time, do not make repeat applications of ORYZA T&O for at least 90 days or crop injury may occur.

Applications of ORYZA T&O over the top of plants with newly forming buds may cause injury. In this situation a directed spray is recommended.

For soils treated with ORYZA T&O during the previous season, plant only the ornamental species listed on this label or injury may occur.

Ice Plant: When establishing unrooted ice plant on coarse-textured soils in landscape plantings, do not exceed the 2 quart per acre rate of ORYZA T&O or crop injury may occur.

Note: Injury on the following plant species have been observed following applications of ORYZA T&O and use is not recommended:

- Deutzia gracilis* (slender deutzia)
- Pseudotsuga menziesii* (Douglas fir)
- Thuja occidentalis* 'Techny' (Techny arborvitae)
- Tsuga canadensis* (eastern hemlock)
- Begonia* spp. (begonia)
- Coleus hybridus* (coleus)

ORYZA T&O May be Used on the Following Established Plant Species: (Note: Limitations on recommended treatment methods).

Trees

Trees		Trees (continued)	
Scientific Name	Common Name	Scientific Name	Common Name
<i>Abies balsamea</i>	Fir, balsam	<i>Heteromeles arbutiflora</i>	Toyon
<i>Abies concolor</i>	Fir, white	<i>Juniperus virginiana</i>	Redcedar, Eastern
<i>Abies fraseri</i>	Fir, fraser	<i>Koelreuteria paniculata</i>	Goldenrain tree
<i>Abies grandis</i>	Fir, grand	<i>Liquidambar styraciflua</i>	Sweetgum, American
<i>Abies veitchi</i>	Fir, Vietch	<i>Magnolia</i> spp.	Magnolia
<i>Abies lasiocarpa</i>	Fir, alpine	<i>Malus</i> spp.	Crabapple
<i>Abutilon hybridum</i>	Albus-flowering maple	<i>Morus alba</i>	White mulberry
	Luteus-flowering maple	<i>Picea abies</i>	Pendula-weeping Norway spruce

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Trees			Trees (continued)		
Scientific Name	Common Name	Recommended Treatment Method	Scientific Name	Common Name	Recommended Treatment Method
		F = Field Grown C = Container Grown			F = Field Grown C = Container Grown
	Roseus-flowering maple	F		Repens-spreading Norway spruce	F
	Tangerine-flowering maple	F		Spruce, Norway	F
	Vesuvius red-flowering maple	F	<i>Picea englemanni</i>	Spruce, Englemann	F
<i>Acer ginnala</i>	Flame maple	F	<i>Picea glauca</i>	Spruce, white	F
<i>Acer rubrum</i>	Red sunset maple	F		Conica-dwarf Alberta spruce	F
<i>Acer saccharinum</i>	Silver maple	F	<i>Picea glauca conica</i>	Dwarf Alberta spruce	F
<i>Acer</i> spp.	Maple	F	<i>Picea mariana</i>	Spruce, black	F
<i>Alsophila australis</i>	Australian tree fern	C,F	<i>Picea pungens</i>	Glauca-Colorado blue spruce	F
<i>Areacastrum romanzoffianum</i>	Queen palm	F		Hoopsii-Hoop's blue spruce	F
<i>Betula nigra</i>	Birch, river	F		Koster-Koster blue spruce	F
<i>Betula papyrifera</i>	Paper birch	F		Spruce, Colorado	C,F
<i>Betula pendula</i>	Birch, white	F	<i>Pinus aristata</i>	Bristlecone pine	F
<i>Bucida buceras</i>	Black olive	F	<i>Pinus canariensis</i>	Canary Island pine	F
<i>Carya</i> spp.	Pecan, ornamental	C,F	<i>Pinus contorta</i>	Shore pine, beach pine	F
<i>Cedrus, atlantica</i>	Atlas cedar	C,F	<i>Pinus eldarica</i>	Eldarica pine	F
<i>Cedrus deodara</i>	Deodar cedar	C,F	<i>Pinus halepensis</i>	Aleppo pine	C,F
<i>Ceratonia siliqua</i>	Carob	F	<i>Pinus radiata</i>	Monterey pine	F
<i>Cercidium floridum</i>	Palo Verde, blue	F	<i>Pinus</i> spp.	Pine	C,F
<i>Cercis canadensis</i>	Redbud	C,F	<i>Pinus strobus</i>	Eastern white pine	F
<i>Chamaecyparis lawsoniana</i>	Falsecypress, Lawson	F	<i>Pinus sylvestris</i>	Scotch pine	F
<i>Chamaecyparis obtusa</i>	Filicoides-fernspray cypress	F	<i>Pinus thunbergiana</i>	Japanese black pine	F
	Gracilis-slender Hinoki cypress	F	<i>Platanus occidentalis</i>	American sycamore	F
<i>Chamaecyparis pisifera</i>	Sawara-false cypress	F	<i>Platanus racemosa</i>	California sycamore	F
	Squarrosa-moss cypress	F	<i>Podocarpus</i> spp.	Podocarpus	F
<i>Chamaedorea cataractarum</i>	Cat Palm	F	<i>Populus deltoides</i>	Cottonwood	F
<i>Chamaedorea costaricana</i>	Palm	F		Cottonwood (grown for pulp)	F
<i>Chamaedorea elegans</i>	Parlor palm	F	<i>Prunus caroliniana</i>	Laurelcherry, Carolina	F
<i>Citrus</i> spp.	Citrus, ornamental	C,F	<i>Prunus glandulosa</i>	Dwarf flowering almond	C,F
<i>Cornus florida</i>	Dogwood, flowering	F	<i>Prunus laurocerasus</i>	Laurelcherry, English	F
<i>Cryptomeria japonica</i>	Cryptomeria, Japanese	C,F	<i>Prunus mahaleb</i>	Cherry, Mahaleb	F
<i>Cupaniopsis anacardioides</i>	Carrot wood	F	<i>Prunus yedoensis</i>	Yoshino flowering cherry	F
<i>Cupressus arizonica</i>	Cypress, Arizona	C,F	<i>Pyrus communis</i>	Pear	F

Trees

Scientific Name	Common Name	Recommended Treatment Method
<i>(glabra)</i>		
<i>Cupressus glabra</i>	Arizona cypress	F
<i>Cupressocyparis leylandii</i>	Leyland cypress	C,F
<i>Cupressus sempervirens</i>	Cypress, Italian	C,F
<i>Dicksonia antarctica</i>	Tasmanian tree fern	C,F
<i>Elaeagnus angustifolia</i>	Russian Olive	C,F
<i>Eucalyptus camaldulensis</i>	Red gum eucalyptus	F
<i>Eucalyptus cinerea</i>	Eucalyptus, mealy	F
	Silver dollar eucalyptus	F
<i>Eucalyptus nicholii</i>	Eucalyptus, narrow-leaved	F
<i>Eucalyptus sideroxylon</i>	Eucalyptus, red ironbark	F
<i>Ficus benjamina</i>	Ficus	F
<i>Fraxinus spp.</i>	Ash	F
<i>Ginkgo biloba</i>	Ginkgo (Maidenhair tree)	C,F
<i>Gleditsia triacanthos</i>	Honey locust	F

Trees (continued)

Scientific Name	Common Name	Recommended Treatment Method
<i>Quercus palustris</i>	Pin oak	F
<i>Quercus phellos</i>	Willow oak	F
<i>Quercus rubra</i>	Red oak	C,F
<i>Quercus spp.</i>	Oak	C,F
<i>Salix babylonica</i>	Babylon weeping willow	F
	Corkscrew willow	F
<i>Schinus molle</i>	California pepper tree	F
<i>Sequoia sempervirens</i>	Redwood, coast	F
<i>Sequoiadendron giganteum</i>	Giant sequoia	F
<i>Swietenia mahogany</i>	Mahogany	F
<i>Tabebuia caraiba</i>	Yellow tab	F
<i>Tilia cordata</i>	Linden, little leaf	C,F
<i>Ulmus parvifolia</i>	Chinese elm	F
<i>Umbellularia californica</i>	California laurel	F
<i>Washingtonia robusta</i>	Mexican fan palm	F

Shrubs

Scientific Name	Common Name	Recommended Treatment Method
<i>Abelia grandiflora</i>	Glossy abelia	F
<i>Acacia redolens</i>	Acacia, prostrate	F
<i>Agave americana</i>	Century plant	F
<i>Agave macroculmis</i>	Agave	F
<i>Anisodonteia hypomandarum</i>	Cape mallow	C,F
<i>Arctostaphylos stanfordiana</i>	Manzanita, Stanford	F
<i>Astilbe chinensis</i>	Astilbe/false spirea	C,F
<i>Baccharis pilularis</i>	Coyotebush	F
<i>Berberis thunbergii</i>	Aurea-golden Japanese barberry	C,F

Shrubs (continued)

Scientific Name	Common Name	Recommended Treatment Method
<i>Lonicera periclymenum</i>	Flowering woodbine	F
	Serotina woodbine	F
<i>Lonicera sempervirens</i>	Trumpet honeysuckle	F
<i>Lorpetalum chinense</i>	(No common name)	C,F
<i>Mahonia aquifolium</i>	Oregon grape	F
<i>Myoporum parvifolium</i>	Myoporum, prostrate	F
<i>Myrtus communis</i>	Myrtle, true	C,F
<i>Nandina domestica</i>	Compacta-dwarf heavenly bamboo	C,F
	Harbour dwarf-heavenly bamboo	C,F

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Shrubs		Shrubs (continued)	
Scientific Name	Common Name	Scientific Name	Common Name
	Crimson pygmy barberry		Heavenly bamboo (Nandina)
	Atropurea-redleaf Japanese barberry		Nana compacta-heavenly bamboo
	Barberry, Japanese		Nana purpurea-heavenly bamboo
<i>Bougainvillea</i> spp.	Barbara Karst		Woods dwarf-heavenly bamboo
	California gold	<i>Nerium oleander</i>	Hardy red oleander
	Scarlet O'Hara		Oleander
	Texas dawn		Ruby lace oleander
<i>Buxus microphylla</i>	Littleleaf boxwood	<i>Osmanthus heterophyllus</i>	Osmanthus, holly-leaf
<i>Buxus microphylla japonica</i>	Boxwood, Japanese	<i>Pachysandra terminalis</i>	Japanese spurge
<i>Buxus sempervirens</i>	Boxwood, common	<i>Philadelphus</i> spp.	Mockorange
<i>Callistemon citrinus</i>	Bottlebrush, lemon	<i>Phoenix roeloenii</i>	Pigmy date palm
<i>Cassia artemisioides</i>	Cassia, feathery	<i>Photinia fraseri</i>	Fraser's photinia
<i>Ceanothus americanus</i>	Jerseytea, redroot		Photinia
<i>Ceanothus</i> spp.	Wild lilac	<i>Pieris japonica</i>	Lily-of-the-valley
<i>Chaenomeles japonica</i>	Flowering quince		Snowdrift lily-of-the-valley
<i>Chamaecyparis obtusa</i>	Kosteri cypress		Temple bells lily-of-the-valley
	Nana-dwarf Hinoki cypress		Valley rose lily-of-the-valley
	Torulosa cypress		Andromeda
<i>Chamaecyparis pisifera</i>	Squarrosa Minima cypress	<i>Pittosporum</i> spp.	Pittosporum
<i>Chamaecyparis pisifera</i> spp.	Filifera-thread cypress	<i>Pittosporum tobira</i>	Green pittosporum
<i>Chrysalidocarpus lutescens</i>	Areca palm		Japanese pittosporum
<i>Cleyera japonica</i>	Cleyera, Japanese		Tobira
<i>Coleonema pulchrum</i>	Pink breath of heaven		Wheeler's dwarf pittosporum
<i>Cornus alba</i>	Sibirica-Siberian dogwood	<i>Platycladus orientalis</i>	Arborvitae, Oriental
<i>Cornus kousa</i>	Dogwood, kousa	<i>Plumbago ariculata</i>	Blue cape plumbago
<i>Cornus stolonifera</i>	Flaviramea-yellowtwig dogwood	<i>Podocarpus macrophyllus</i>	Yewpine
<i>Cotoneaster adpressus</i>	Praecox-early cotoneaster	<i>Potentilla fragiformis</i>	Cinquefoil
<i>Cotoneaster apiculatus</i>	Cotoneaster, cranberry	<i>Potentilla fruticosa</i>	Cinquefoil
<i>Cotoneaster buxifolius</i>	Cotoneaster, brightbead	<i>Protea neriifolia</i>	Protea

Shrubs			Shrubs (continued)		
	Recommended Treatment Method			Recommended Treatment Method	
Scientific Name	Common Name		Scientific Name	Common Name	
<i>Cotoneaster congestus</i>	Cotoneaster, Pyrenees	F	<i>Pyracantha coccinea</i>	Firethorn, scarlet	C,F
<i>Cotoneaster dammeri</i>	Cotoneaster, bearberry	C,F	<i>Pyracantha fortuneana</i>	Lolendei Monrovia pyracantha	C,F
<i>Cotoneaster himalayan</i>	Himalayan cotoneaster	F	<i>Pyracantha fortuneana</i>	Monon pyracantha	C,F
<i>Cotoneaster horizontalis</i>	Cotoneaster, rock	C,F		Red elf hybrid pyracantha	C,F
<i>Cotoneaster lacteus</i>	Cotoneaster, parney	C,F		Rutgers hybrid pyracantha	C,F
<i>Cotoneaster microphyllus</i>	Cotoneaster, rockspray	F		Santa Cruz pyracantha	C,F
<i>Cotoneaster salicifolia</i>	Willowleaf cotoneaster	C,F		Victory pyracantha	C,F
<i>Cytisus praecox</i>	Hollandia-warminster broom	F	<i>Pyracantha skoidzumi</i>	Firethorn, formosa	C,F
<i>Cytisus scoparius</i>	Lena-Scotch broom	F	<i>Pyracantha, fortuneana</i>	Firethorn	C,F
<i>Dasyllirion wheeleri</i>	Sotol, desert spoon	F	<i>Raphiolepis indica</i>	Enchantress-Moness raphiolepis	F
<i>Deutzia crenata</i>	Nakiana-dwarf deutzia	F		Raphiolepis (India hawthorn)	C,F
<i>Dodonaea viscosa</i>	Hopseedbush, clammy	F		Springtime-Monme raphiolepis	F
	Hopseed bush	F	<i>Raphiolepis ovata</i>	Roundleaf raphiolepis	F
<i>Escallonia exoniensis</i>	Escallonia	C,F	<i>Rhipsalidopsis gaertneri</i>	Eastercactus	C,F
<i>Euonymus alata</i>	Euonymus, winged	F	<i>Rhododendron calendulaceum</i>	Flame azalea	F
<i>Euonymus fortunei</i>	Canadale gold euonymus	C,F	<i>Rhododendron campylocarpum</i>	Butterfly rhododendron	F
	Emerald'n gold euonymus	C,F	<i>Rhododendron carolinianum x daurium</i>	PJM rhododendron	F
	Euonymus, stringybark	C,F	<i>Rhododendron catawbiense</i>	Catawba album rhododendron	C,F
	Wintercreeper	C,F		Catawba rhododendron	C,F
<i>Euonymus japonica</i>	Euonymus, evergreen	C,F		Lord Roberts rhododendron	C,F
	Silver king euonymus	F		Rocket rhododendron	C,F
<i>Euonymus kiatschovica</i>	Spreading euonymus	F	<i>Rhododendron forrestii x griersonianum</i>	Elizabeth rhododendron	F
<i>Euonymus vegetus</i>	Bigleaf wintercreeper	C,F	<i>Rhododendron hybrid spp.</i>	America rhododendron	F
<i>Fatshedera lizei</i>	Fatshedera	C,F		English Roseum rhododendron	F
<i>Fatsia japonica</i>	Japanese aralia	C,F		Nova Zembia rhododendron	F

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Shrubs			Shrubs (continued)		
Scientific Name	Common Name	Recommended Treatment Method F = Field Grown C = Container Grown	Scientific Name	Common Name	Recommended Treatment Method F = Field Grown C = Container Grown
<i>Felicia amelloides</i>	Blue marguerite	C,F		Scintillation rhododendron	F
<i>Forsythia intermedia</i>	Forsythia, border	F	<i>Rhododendron impeditum</i>	Rhododendron	F
<i>Gardenia jasminoides</i>	Gardenia	C,F	<i>Rhododendron indica</i>	Formosa azalea	C,F
<i>Genista pilosa</i>	Woadwaxen	F		Waucubusa azalea	C,F
<i>Hibiscus rosa-sinesis</i>	Ross Estey-hibiscus	F	<i>Rhododendron kerume</i>	Coral bells azalea	C,F
	Hibiscus, Chinese	F		Hino crimson azalea	C,F
<i>Hibiscus syriacus</i>	Rose of Sharon, Red Bird	F		Hino pink azalea	C,F
	Rose of Sharon, Red Heart	F		Snow azalea	C,F
	Rose of Sharon, Woodbridge	F	<i>Rhododendron maximum</i>	Rhodie max (rosebay)	C,F
	Rose-of-Sharon (Shrubalthea)	F	<i>Rhododendron mucronulatum</i>	Rhododendron	F
<i>Ilex aquifolium</i>	Balkans holly	F	<i>Rhododendron satuski</i>	Gumpo pink azalea	F
	Gold coast holly	F		Higasa azalea	F
	Holly, English	F	<i>Rhododendron</i> spp.	Azalea	C,F
<i>Ilex aquipernyl</i>	San Jose holly	C,F		Rhododendron	C,F
<i>Ilex cornuta</i>	Dwarf Burford holly	C,F	<i>Rhododendron</i> spp. hybrids	Carror azalea	C,F
	Holly, Chinese	C,F		Girard Roberta azalea	F
<i>Ilex crenata</i>	Compacta-dwarf Japanese holly	C,F		Golden flare exbury azalea	F
	Convexa holly	C,F	<i>Rhus lancea</i>	Sumac, African	C,F
	Helleri-Heller's Japanese holly	C,F	<i>Rosa rugosa</i>	Ramanas rose	F
	Holly, Japanese	C,F	<i>Rosmarinus officinalis</i>	Rosemary	F
<i>Ilex glabra</i>	Nordica-inkberry holly	F	<i>Senecio cineraria</i>	Dusty miller	C,F
<i>Ilex meserveae</i>	Blue boy holly	F	<i>Spiraea vanhouttei</i>	Bridal wreath	F
	Blue girl holly	F	<i>Syringa vulgaris</i>	Lilac, common	C,F
	Ebony magic holly	F	<i>Syzygium paniculata</i>	Brush cherry	C,F
<i>Ilex vomitoria</i>	Nana-dwarf yaupon holly	C,F	<i>Taxus cuspidata</i>	Yew, Japanese	F
	Pendula-weeping yaupon holly	C,F	<i>Taxus media</i>	Yew	F
	yaupon holly	C,F	<i>Thuja occidentalis</i>	Arborvitae, American	C,F
<i>Juniperus chinensis</i>	Media-gold juniper	C,F		Emerald arborvitae	F
<i>Juniperus conferta</i>	Emerald sea shore juniper	F		Globosa-globe arborvitae	F
<i>Juniperus horizontalis</i>	Huntington blue juniper	C,F		Little giant-dwarf arborvitae	F
	Wiltonii-blue carpet juniper	C,F		Nigra-dark American arborvitae	F
<i>Juniperus procumbens</i>	Nana-dwarf Japaneses garden juniper	C,F		Pyramidalis arborvitae	F
<i>Juniperus prostrata</i>	Prostrata juniper	C,F		Rheingold arborvitae	F

Shrubs

	Recommended Treatment Method	
	F = Field Grown	
	C = Container Grown	
Scientific Name	Common Name	
<i>Juniperus sabina</i>	Broadmoor juniper	F
	Foemina-Hicks juniper	F
	Tamariscifolia-Tam juniper	F
<i>Juniperus scopulorum</i>	Emerald green juniper	F
<i>Juniperus</i> spp.	Juniper	C,F
<i>Juniperus squamata</i>	Blue juniper	F
	Blue star juniper	F
	Parsonii juniper	F
<i>Justicia brandegeana</i>	Shrimp plant	C,F
<i>Justicia spicigera</i>	Honeysuckle, Mexican	F
<i>Kalmia latifolia</i>	Laurel, mountain	F
<i>Lagerstroemia indica</i>	Crape myrtle	C,F
<i>Lavandula angustifolia</i>	English lavender	C,F
<i>Leucothoe axillaris</i>	Leucothoe, coast	F
<i>Leucothoe fontanesiana</i>	Leucothoe, dropping	F
<i>Ligustrum amurense</i>	Privet, amur	C,F
<i>Ligustrum japonicum</i>	Privet, Japanese	C,F
	yellow tip ligustrum	C,F
<i>Ligustrum lucidum</i>	Privet, glossy	C,F
<i>Ligustrum ovalifolium</i>	California privet	F
<i>Ligustrum texanum</i>	Howardi privet	F
	Wax leaf privet	F
<i>Ligustrum vicaryi</i>	Privet, golden	C,F
	Vicary golden privet	C,F
<i>Livistona chinensis</i>	Chinese fountain palm	F
<i>Lonicera fragrantissima</i>	Winter honeysuckle	F

Shrubs (continued)

	Recommended Treatment Method
	F = Field Grown
	C = Container Grown
Scientific Name	Common Name
<i>Thuja orientalis</i>	Woodwardii arborvitae F
	Aureus nana-dwarf F
	golden arborvitae F
	Minima glauca-dwarf arborvitae F
<i>Thuja plicata</i>	Red Cedar, Western F
<i>Trachelospermum jasminoides</i>	Star jasmine, Chinese F
<i>Veitchia merrilli</i>	Christmas palm F
<i>Viburnum carlesii</i>	Koreanspice viburnum C,F
<i>Viburnum davidii</i>	David viburnum F
<i>Viburnum japonicum</i>	Viburnum F
<i>Viburnum judd (V X Judii)</i>	Viburnum C,F
<i>Viburnum opulus sterile</i>	Common snowball viburnum F
<i>Viburnum plicatum tomentosum</i>	Doublefile viburnum F
<i>Viburnum setigerum</i>	Tea viburnum F
<i>Viburnum suspensum</i>	Viburnum, Sandankwa F
<i>Viburnum tinus</i>	Viburnum, Laurustinus C,F
	Compactum-spring bouquet viburnum F
<i>Viburnum tinus compactum</i>	Spring bouquet viburnum F
<i>Viburnum trilobum compactum</i>	Dwarf cranberry bush F
<i>Viburnum x pragense</i>	Viburnum F
<i>Weigela florida</i>	Bristol ruby weigela F
	Java red weigela F
	Minuet weigela F
	Weigela, oldfashioned F
<i>Xylosma congestum</i>	Xylosma F
<i>Yucca elata</i>	Yucca, soaptree C,F
<i>Yucca recurvifolia</i>	Yucca, pendulous F

Groundcovers/Perennials

Recommended Treatment Method
F = Field Grown
C = Container Grown

Recommended Treatment Method
F = Field Grown
C = Container Grown

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Scientific Name	Common Name		Scientific Name	Common Name	
<i>Agapanthus africanus</i>	Lily-of-the-Nile	C,F	<i>Heuchera micrantha</i>	Coral bells	C,F
<i>Ajuga</i> spp.	Carpet bugle	F	<i>Hypericum</i> spp.	St. Johnswort	C,F
<i>Arctotheca calendula</i>	Cape weed	F	<i>Iberis sempervirens</i>	Evergreen candytuft	C,F
<i>Asparagus retrofractus</i>	(No common name)	C,F	<i>Lampranthus spectabilis</i>	Trailing iceplant	F
<i>Asparagus varieegata</i>	Tree fern	C,F	<i>Leptospermum scaparium</i>	New Zealand teatree/Manuka	C,F
<i>Aster novae-angliae</i>	New England aster	C,F	<i>Limonium perezii</i>	Statice/Sea lavender	C,F
<i>Aster novi-belgii</i>	New York aster	C,F	<i>Liriope gigantea</i>	White lily turf	F
<i>Althyrum nipponicum</i>	Japanese painter fern	C,F	<i>Liriope muscari</i>	Lilac beauty lily turf	C,F
<i>Brassica oleracea</i>	Wild cabbage	C,F		Majestic lily turf	C,F
<i>Callistepheus chinensis</i>	China aster	C,F		Monroe white lily turf	C,F
<i>Campanula elatines</i>	Bellflower	C,F		Silvery sunproof lily turf	C,F
<i>Carpobrotus edulis</i>	Ice plant, largeleaf (see label)	F		Variegated liriope lily turf	C,F
<i>Clytostoma callistegioides</i>	Trumpet vine, violet	C,F		Big blue lily turf	C,F
<i>Cortaderia selloana</i>	Pampas grass	F	<i>Lobelia erinus</i>	Edging lobelia	C,F
<i>Cuphea hyssopifolia</i>	False Mexican heather	C,F	<i>Lonicera japonica</i>	Honeysuckle, Japanese	F
<i>Delosperma alba</i>	White iceplant	F	<i>Mesembryanthemum crystallinum</i>	Ice plant (see label)	F
<i>Dietes vegeta</i>	Fortnight lily	C,F	<i>Ophiopogon japonicus</i>	Mondo grass	F
<i>Digitalis mertonensis</i>	Foxglove	C,F	<i>Osteospermum fruticosum</i>	Daisy, trailing African	F
<i>Doronicum cordatum</i>	Leopard's bane	C,F	<i>Pachysandra terminalis</i>	Japanese spurge	F
<i>Drosanthemum floribundum</i>	Trailing rosea iceplant	F	<i>Pennisetum setaceum</i>	Fountaingrass	C,F
<i>Erianthus ravennae</i>	Hardy pampas grass	C,F	<i>Polystichum polyblepharum</i>	Tassel fern	C,F
<i>Festuca ovina glauca</i>	Blue fescue	F	<i>Sedum brevifolium</i>	Stonecrop	C,F
<i>Gaillardia grandiflora</i>	Blanket flower	C,F	<i>Sedum kamtschaticum</i>	Stonecrop	C,F
<i>Gazania rigens leucolaena</i>	Gazania, trailing	C,F	<i>Sedum spurium</i>	Stonecrop, tworow	C,F
<i>Gazania</i> spp.	Gazania	F	<i>Tulbaghia violacea</i>	Society garlic	C,F
<i>Hedera canariensis</i>	Ivy, Algerian	F	<i>Verbena rigida</i>	Veined verbena	C,F
<i>Hedera helix</i>	Ivy, English	F	<i>Veronica</i> spp.	Speedwell	C,F
<i>Heliotropium fragrans</i>	Common heliotrope	C,F	<i>Vinca major</i>	Periwinkle, bigleaf	F
<i>Hemerocallis</i> spp.	Daylily	C,F	<i>Vinca minor</i>	Periwinkle, dwarf	F
<i>Hosta lancifolia</i>	Albo-marginata hosta	C,F			
<i>Hosta</i> spp.	Lily, plantain	C,F			

Flowers

		Recommended Treatment Method			Recommended Treatment Method
		F = Field Grown			F = Field Grown
		C = Container Grown			C = Container Grown
Scientific Name	Common Name		Scientific Name	Common Name	
<i>Achillea</i> spp.	Yarrow	C,F	<i>Impatiens wallerana</i>	Impatiens (Busy lizzie)	F
<i>Antirrhinum majus</i>	Snapdragon	F	<i>Iris</i> spp.	Iris, bearded	F
<i>Caladium bicolor</i>	Caladium, fancy leafed	F	<i>Liatrix spicata</i>	Blazing star	C,F
<i>Chrysanthemum</i> spp.	Chrysanthemum	C,F	<i>Pelargonium hortorum</i>	Geranium	F
<i>Caladium bicolor</i>	Fancy-leafed caladium	F	<i>Petunia</i> spp.	Petunia	C,F
<i>Coreopsis lanceolata</i>	Coreopsis	F	<i>Portulaca grandiflora</i>	Moss, rose	F
<i>Coreopsis verticulata</i>	Threadleaf coreopsis	C,F	<i>Ranunculus asiaticus</i>	Ranunculus, Persian	F
<i>Dianthus barbatus</i>	Sweet William	F	<i>Rosa</i> spp.	Rose	F
<i>Dianthus gratianopolitanus</i>	Cheddar pink	C,F	<i>Rudbeckia fulgida</i>	Blackeyed susan	C,F
<i>Dicentra spectabilis</i>	Bleeding heart	C,F	<i>Rudbeckia hirta</i>	Daisy, gloriosa (black-eyed Susan)	F
<i>Dimorphotheca</i> spp.	Marigold, cape	F	<i>Salvia</i> spp.	Salvia (Sage)	F
<i>Echinacea purpurea</i>	Coneflower, purple	C,F	<i>Stokesia laevis</i>	Aster, stokes	F
<i>Evolvulus nuttallianus</i>	Blue daze	C,F	<i>Strelitzia reginae</i>	Bird of paradise	F
<i>Geum quellyon</i>	Geum	F	<i>Tagetes</i> spp.	Marigold	F
<i>Gladiolus hortulanus</i>	Gladiolus	F	<i>Viola wittrockiana</i>	Pansy	F
<i>Gypsophila paniculata</i>	Baby's breath	F	<i>Zinnea elegans</i>	Zinnia, common	F

Non-bearing Trees and Vines

		Recommended Treatment Method			Recommended Treatment Method
		F = Field Grown			F = Field Grown
		C = Container Grown			C = Container Grown
almond		F	kiwi		F
apple		F	kumquat		C,F
apricot		F	lemon		F
avocado		F	loganberry		F
blackberry		F	macadamia nut		F
blueberry		F	nectarine		F
boysenberry		F	olive		F
cherry, sour		F	orange		C,F
cherry, sweet		F	peach		F
currant		F	pear		F
dewberry		F	pecan		C,F
elderberry		F	pistachio		F
fig		F	plum		F
filbert		F	pomegranate		F
gooseberry		F	prune		F
grape, American		F	raspberry		F
grape, European		F	walnut, black		F
grapefruit		F	walnut, English		F

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†Non-bearing plants are defined as those that will not bear fruit for at least one year after treatment.

Ornamental Bulbs

ORYZA T&O may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth, and tulip. Apply ORYZA T&O to the soil surface 2-4 weeks after planting, but prior to the emergence of annual weeds. For fall planted bulbs, apply ORYZA T&O again in late winter or early spring to weed-free soil surfaces.

Broadcast Application Rates

Time of Application	Soil Texture	ORYZA T&O		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
		(qt/acre)	(fl oz/1000 sq ft)		
Fall	Coarse	0.75	0.5	3	1.5
Fall	Medium and Fine	1.5	1.0	3	2.25
Feb. – March	All Soil Textures	0.75	0.5	3	2.25

Special Use Precautions:

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.
Do not apply to gladioli corms prior to emergence or less than one (1) inch in diameter.

Shadehouse Areas

ORYZA T&O may be applied to drainage areas under benches in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within 3 weeks prior to enclosure of green-house or poly-type structures.

Christmas Tree Plantations

ORYZA T&O Alone

Apply ORYZA T&O as a directed spray to the soil surface or as an overtop spray to established plantings of field grown Christmas tree species, including fir (*Abies* spp.), pine (*Pinus* spp.), and spruce (*Picea* spp.). Follow all instructions provided in the "General Information" section of this label.

Broadcast Application Rate

Length of Control	ORYZA T&O		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
	(qt/acre)	(fl oz/1000 sq ft)		
2-4 months	2	1.5	2	8
4-8 months	4	3	2	8

Tank Mix Combinations

Tank mix combinations of ORYZA T&O plus other labeled herbicides may be used as directed or overtop sprays in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

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ORYZA T&O Plus Roundup®: Apply tank mix combinations of ORYZA T&O plus Roundup® only as directed sprays in Christmas tree plantings. When applied according to use directions, ORYZA T&O plus Roundup® will provide postemergence control of susceptible weed species listed on the label for Roundup® and residual preemergence control of susceptible weed species listed on the label for ORYZA T&O. Refer to the label for Roundup® for specific use directions, precautions, and limitations before use.

Special Use Precautions:

Do not apply to Douglas fir (*Pseudotsuga menziesii*). Do not apply to seedbeds or seeding transplant beds. Apply only to established plants that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

Noncropland Areas and Industrial Sites

Noncropland Areas - Tank Mix Combinations

Tank mix combinations of ORYZA T&O plus Roundup® and many other labeled herbicides may be used to control undesirable vegetation in noncropland areas such as roadsides, rights-of-way, etc. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Broadcast Application Rates

Length of Control	ORYZA T&O		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
	(qt/acre)	(fl oz/1000 sq ft)		
2-4 months	2	1.5	2	6
4-8 months	4	3	4	12
8-12 months	6	4.5	8	12

Industrial Sites - Tank Mix Combinations

Tank mix combinations of ORYZA T&O plus Roundup®, Spike™ herbicide, and many other labeled herbicides may be used as overtop sprays to control existing vegetation on industrial sites such as utility substations, highway guard rails, sign posts, and delineators. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Warm Season Turfgrasses

ORYZA T&O may be applied as a preemergence treatment for control of annual grasses and certain broadleaf weeds in established warm season turf including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, zoysiagrass, and established tall fescue growing in warm season areas. Established turf is defined as a dense turf having a well-anchored root system and healthy, vigorous top growth. Use ORYZA T&O only as a part of a total turf management program that includes good fertilization practices.

ORYZA T&O may be tank mixed with Gallery™ herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in warm season turf. Refer to the label for Gallery™ for specific use directions, precautions, and limitations before use.

Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of ORYZA T&O.

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ORYZA T&O will not control emerged weeds. Successful preemergence control of weeds listed on this label requires that ORYZA T&O be applied prior to weed germination and be activated by at least one-half (1/2) inch of rainfall or irrigation within 21 days of application.

ORYZA T&O may injure turf that is not well established or is stressed or weakened due to unfavorable winter climatic conditions, drought, nematodes, or other factors which damage or weaken turf root systems. Apply ORYZA T&O only to healthy, well-established turf that has a well-anchored root system.

Do not apply ORYZA T&O in the spring or early summer to tall fescue turfgrass reseeded the previous fall. In such cases, apply Balan™ 2.5G granular herbicide at 60-80 pounds per acre in early summer (Round 1) and ORYZA T&O at 1.5 quarts per acre approximately eight weeks later (Round 2). Do not apply ORYZA T&O at the single application rate (2 quarts per acre) to established tall fescue; in such cases, apply 1.5 quarts per acre of ORYZA T&O in an initial application, followed by a second application of 1.5 quarts per acre 8-10 weeks later.

In bermudagrass areas that have been overseeded with winter grasses, a spring application of ORYZA T&O will thin the overseeded grasses.

Annual Grasses Controlled by ORYZA T&O

Summer Annuals:

Common Name	Scientific Name
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>
crabgrass, large	<i>Digitaria sanguinalis</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>
crabgrass	<i>Digitaria spp.</i>
crowfootgrass	<i>Dactyloctenium aegyptium</i>
foxtail, bristleglass	<i>Setaria magna</i>
foxtail, giant	<i>Setaria faberi</i>
foxtail, green (pigeongrass)	<i>Setaria viridis</i>
foxtail, robust	<i>Setaria robusta</i>
foxtail, yellow	<i>Setaria glauca</i>
goosegrass (silver crabgrass)	<i>Eleusine indica</i>
Johnsongrass (seedling only)	<i>Sorghum halepense</i>
ryegrass, Italian	<i>Lolium multiflorum</i>
sandbur, field	<i>Cenchrus incertus</i>

Winter Annuals:

bluegrass, annual	<i>Poa annua</i>
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Annual Broadleaf Weeds Controlled by ORYZA T&O

Summer Annuals:

Common Name	Scientific Name
carpetweed	<i>Mollugo verticillata</i>
knotweed, prostrate	<i>Polygonum aviculare</i>
purslane, common	<i>Portulaca oleracea</i>

Winter annuals

Common Name	Scientific Name
chickweed, common	<i>Stellaria media</i>
henbit	<i>Lamium amplexicaule</i>

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Broadleaf Weeds Suppressed by ORYZA T&O

Common Name	Scientific Name
groundsel, common	<i>Senecio vulgaris</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

Application Rates, Frequency, and Timing of Application

ORYZA T&O can be applied in the spring for summer annual grass and broadleaf weed control, and in the fall for annual bluegrass (*Poa annua*) and winter annual broadleaf weed control.

Broadcast Application Rates (Warm Season Turfgrasses)

Use Area	ORYZA T&O		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
	(qt/acre)	(fl oz/1000 sq ft)		
All, except Florida	1.5	1	3	6
Florida	2	1.5	3	6
Florida	1.5	1	3	4.5

1. Summer Annual Grasses and Broadleaf Weeds

Single Application Program: Apply 2 quarts per acre of ORYZA T&O in late winter or early spring, prior to the onset of conditions favorable for annual weed germination.

Split Application Program: As an alternative to a single application program, ORYZA T&O may be applied in a split application. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. Apply 1.5 quarts per acre of ORYZA T&O in an initial application, followed by a second application of 1.5 quarts per acre 8-10 weeks later.

The second treatment of the split application may follow application of a different preemergence grass herbicide in place of the initial application of ORYZA T&O.

2. Annual Bluegrass (*Poa annua*) and Winter Annual Broadleaf Weeds

In areas of heavy annual bluegrass infestation, its elimination will result in temporary thinning of turfgrass cover. Proper fertilization, irrigation, and soil incorporated reseeding should be employed to speed the restoration of desirable turfgrass cover in areas previously occupied by annual bluegrass (see section on reseeding).

Apply ORYZA T&O as a preemergence treatment in late summer or early fall, prior to the expected germination period for annual bluegrass and winter annual broadleaf weeds. If annual bluegrass infestation is severe and its elimination will result in thinning of turfgrass cover, apply ORYZA T&O at 1.5 quarts per acre. If thinning of turfgrass cover is not a potential problem, ORYZA T&O may be applied at 2 quarts per acre.

Weed Control in Florida

In Florida, apply 1.5 quarts per acre of ORYZA T&O three times per year, or every 90-100 days, in the fall, early spring, and early summer. Do not apply more than 1.5 quarts per acre of ORYZA T&O in any single application.

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Application Equipment

Apply ORYZA T&O evenly over the turfgrass area. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application. For best results, use application equipment designed to uniformly broadcast liquid herbicides. Calibrate application equipment prior to use, according to manufacturer's directions. Check equipment frequently to make sure it is working properly and distributing spray uniformly.

Reseeding

Herbicides that control annual weeds may also affect establishment of desirable turfgrass seedlings. Reseeding should be delayed for at least 90-120 days following application of ORYZA T&O. When reseeding, it is essential that proper cultural practices such as soil cultivation and seedbed preparation, irrigation, and fertilization be followed. For satisfactory reseeding results following use of ORYZA T&O, the seeding rate should be increased and equipment designed to place seed in full contact with soil (such as the Rogers Aero Seeder) should be employed.

Special Use Precautions:

To avoid possible injury, do not apply ORYZA T&O to:

- Cool season turfgrass species.
- Golf course putting greens and tees or lawns containing dichondra or cool season turfgrass species.
- Newly sprigged or sodded areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass until these turfgrasses are well established and have well-anchored root systems.
- Newly hydromulched areas of bermudagrass until such areas are well established.
- Bermudagrass variety "Sun Turf" when tank mixed with atrazine.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or 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.

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

WARRANTY DISCLAIMER

AgValue-ORYZA, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. AgValue-ORYZA, LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures,

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soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of AgValue-ORYZA, LLC or the seller. All such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at AgValue-ORYZA's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

AgValue-ORYZA, LLC shall not be liable for losses or damages resulting from handling or use of this product unless AgValue-ORYZA, LLC is promptly notified of such loss or damage in writing. In no case shall AgValue-ORYZA, LLC be liable for consequential, incidental or special damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of AgValue-ORYZA, LLC or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner. Buyer accepts this product subject to the foregoing limitations of warranty and of liability.

Balan™, Gallery™ and Spike™ are trademarks of Dow AgroSciences, LLC
Roundup® is a registered trademark of the Monsanto Company.

AgValue-ORYZA, LLC of Visalia, California 93291

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1124 North Chinowth Street • Visalia, California 93291
Phone: 559/627-6956 • Fax: 559/627-6962 • Toll Free: 866/511-3171 • www.agvalue.net

March 19, 2004

To Whom It May Concern:

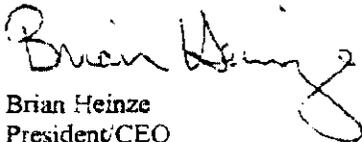
RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Pyxis Regulatory Consulting, Inc. is authorized as agents for AgValue, Inc., before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Brian Heinze
President/CEO

cc: Pyxis Regulatory Consulting, Inc.

PYXIS REGULATORY CONSULTING, INC.

11324 17th Ave. Ct. NW
Gig Harbor, WA 98332

25/26
Phone: 253-853-7369
Fax: 253-853-5516
www.PyxisRC.com

September 13, 2004

COURIER DELIVERY

Joanne Miller (PM23)
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 Bell Street
Arlington, VA 22202-4501

RE: AgValue-ORYZA, LLC – ORYZA T&O (EPA Reg. No. 75523-6)
Submission of Label Notification

Dear Ms. Miller,

On behalf of AgValue-ORYZA, LLC please find the enclosed label notification for AgValue-ORYZA's ORYZA T&O (EPA Reg. No. 75523-6) product that includes the following changes:

- Added appropriate trademark designations (i.e., Roundup, Gallery, etc.) and trademark references to end of label.
- Removed the phrase "(California registration pending)" for Gallery reference as this product is registered in the state of California.
- Change "Storage" to "Pesticide Storage" in Storage and Disposal section.
- Changed "CF" to "F" for Euonymus, winged
- Added "cypress" to Squarrosa Minima
- Added the phrase "See inside label booklet for additional PRECAUTIONARY STATEMENTS" to the front panel.
- Revised company name and EPA Reg. No. to reflect registration transfer to "AgValue-ORYZA, LLC"

In support of this label notification we submit the following documents:

1. Completed Application for Registration (EPA Form 8570-1)
2. One (1) copy of the proposed ORYZA T&O labeling with changes tracked [Editors Note: Added text is underlined and deleted text is denoted by ~~strike-through~~]
3. One (1) copy of the proposed ORYZA T&O label with changes incorporated
4. Letter of Authorization

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Please do not hesitate to contact me if you have any questions or need any additional information.

Sincerely,



Michael Kellogg

Enclosures

cc: Brian Heinze; AgValue-ORYZA, LLC