


73917-4

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 73917-4	Date of Issuance: MAR. 4 2003
		Term of Issuance: Conditional	
		Name of Pesticide Product: ORYZA AG	
NOTICE OF PESTICIDE: <u> X </u> Registration <u> </u> Reregistration			
(under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code): AgValue, Inc. c/o Mandava Associates 1730 M Street, NW, Suite 906 Washington, D.C. 20036			
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.			
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you: 1. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data. 2. Make the following label changes before you release the product for shipment: a. Revise the EPA Registration Number to read "EPA Reg. No. 73917-4"			
Signature of Approving Official:		Date: MAR 4 2003	

EPA Form 8570-6

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3. Within 12 months of the date of this notice submit the one year storage stability study (830.6317).

4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505C)

Enclosure

MAR 4 2003

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

73917-4



ORYZA AG

Herbicide

A preemergence surface-applied herbicide for the control of many annual grasses and certain broadleaf weeds in citrus, fruit and nut trees, berries, vineyards, and Christmas tree plantations.

Active Ingredient:

oryzalin; 3,5-dinitro- <i>N</i> ⁴ , <i>N</i> ⁴ -dipropylsulfanilamide	40.4%
Inert Ingredients	59.6%
Total	100.0%

Contains four pounds of active ingredient per gallon.

EPA Reg. No. 73917-

EPA Est. No. 37429-GA-1

Net Contents: 2.5 Gallon

Keep Out of Reach of Children

CAUTION PRECAUTION

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)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Causes Moderate Eye Irritation • Prolonged Or Frequently Repeated Skin 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.

First Aid

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

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.

DIRECTIONS FOR USE

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

Do not formulate this product into other end-use products. Shake Well Before Using.

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

Storage and Disposal

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

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.

GENERAL INFORMATION

ORYZA AG herbicide is a preemergence, surface applied herbicide for the control of many annual grasses and certain broadleaf weeds in citrus, fruit and nut trees, small fruits, vineyards and Christmas tree plantations. ORYZA AG controls susceptible annual weeds by disrupting plant growth processes during germination. ORYZA AG may be applied in liquid sprays of water or liquid fertilizer. ORYZA AG may be tank mixed with other herbicides to control existing vegetation or improve the spectrum of weeds controlled. ORYZA AG alone does not control established weeds.

ORYZA AG may be applied before or after transplanting of the crop. If applied prior to transplanting: (1) disturbance of surface soil should be minimized to prevent loss of weed control; and (2) exposure of the roots of transplants to treated soil should be minimized to avoid any possibility of crop injury.

General Use Precautions and Restrictions

- Do not graze or feed forage from treated fields or orchards to livestock.
- Poor weed control may result if directions are not carefully followed.
- Do not over-apply ORYZA AG. Over-application may result in crop injury or soil residue.
- Do not plant any root crop for 12 months following a ORYZA AG application.
- Do not use ORYZA AG on soils containing more than 5% organic matter.
- Apply ORYZA AG directly to the soil surface in orchards and vineyards.
- Carefully follow label directions to avoid poor weed control or crop injury.
- **Chemigation:** See instructions for chemigation in "Application Methods".

Do not aerially apply this product.

Rotation Crop Interval: To avoid crop injury, a 24 month rotational interval is recommended when rotating from tree and vine crops to row crops.

Soil Preparation

Optimum herbicidal activity occurs when ORYZA AG is applied to the soil surface. Prior to application, existing unwanted vegetation should be destroyed by tillage or use of contact or translocated herbicides. Crop or weed residues, pruning and trash should be thoroughly mixed into the soil by tillage equipment or removed before treatment. Soil should be in good tilth and free of clods at the time of application.

Activation and Cultivation

A single 1/2 to 1 inch rainfall or sprinkler irrigation is required to activate ORYZA AG and move the herbicide into the zone of weed germination. Rainfall or irrigation of 1 inch or more is needed to activate ORYZA AG on fine-textured, high organic matter soils. If weeds begin to emerge, a shallow cultivation to a depth of 1 to 2 inches will destroy existing weeds and place ORYZA AG in the zone of weed germination.

Mixing Directions

ORYZA AG - Alone

ORYZA AG may be applied in water or most liquid fertilizer materials. Prior to mixing ORYZA AG in liquid fertilizer, refer to "Testing for Compatibility in Liquid Fertilizers" for test procedures to determine compatibility with the fertilizer product to be used. The combination of ORYZA AG with solution and suspension-type fertilizers provides annual weed control equal to ORYZA AG applied in water. Individual state regulations relating to liquid fertilizer mixing, registration, labeling and application are the responsibility of the individual and/or company offering the fertilizer and chemical mixture for sale.

Start with a clean spray tank. Fill the sprayer to 1/3 to 1/2 of the required spray volume. Start agitation. Shake the container well and add the correct amount of ORYZA AG, continue agitation and fill spray tank to required spray volume. Maintain continuous agitation from mixing through application.

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

ORYZA AG in Tank Mix

Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. Sparger pipe agitators generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank, avoid stirring or splashing air into the spray mixture.

ORYZA AG may be tank mixed with label rates of other products and applied with water or most liquid fertilizer materials, provided (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; (2) tank mixing is not prohibited by the label of the tank mix product; and (3) A (jar) test is performed to ensure the compatibility of products to be used in tank mixture.

Tank Mixing Precautions:

- Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels.
- Do not exceed recommended application rates.
- For products packaged in water soluble packaging, do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment has been thoroughly cleaned.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of ORYZA AG and other products. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, gels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Mixing Order (Tank Mixing with Water): Fill the spray tank to 1/4 to 1/3 of the total spray volume. Start agitation. Add different formulation types in the following order, allowing time for complete mixing and dispersion after addition of each product (allow extra mixing and dispersion time for dry flowable products):

1. Add dry flowables; wettable powders; ORYZA AG or other aqueous suspensions, flowables and water-based solutions.
2. Maintain agitation and fill spray tank to 3/4 of total spray volume. Then add any emulsifiable concentrates.

Finish filling the spray tank. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when originally mixed.

Tank Mixing with Liquid Fertilizer: Prior to mixing ORYZA AG with other products in liquid fertilizer, refer to the tank mix product manufacturer's label to determine if application in liquid fertilizer is recommended. Also refer to "Testing for Compatibility in Liquid Fertilizers" for test procedures to determine tank mix compatibility with the liquid fertilizer product to be used. The combination of ORYZA AG with solution

and suspension-type fertilizers provides annual weed control equal to ORYZA AG applied in water. Individual state regulations relating to liquid fertilizer mixing, registration, labeling and application are the responsibility of the individual and/or company offering the fertilizer and chemical mixture for sale. Read and follow all label instructions for each material to be added to the spray tank.

Vigorous continuous agitation is required for all tank mixes. Sparger pipe agitators generally provide the best agitation in spray tank. To prevent foaming, keep the end of the fill pipe below the surface of the water in the spray tank during filling to prevent air from being stirred or splashed into the mixture.

Mixing Order (Tank Mixing With Liquid Fertilizer): Fill the spray tank to 3/4 of the total spray volume required. Start agitation. Add different formulation types in the following order, allowing time for complete mixing and dispersion after addition of each product. (Allow extra mixing and dispersion time for dry flowable products):

Dry flowables; wettable powders; ORYZA AG or other aqueous suspensions, flowables, water-based solutions, and any emulsifiable concentrates.

Finish filling spray tank. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be suspended before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled materials may be more difficult to resuspend than when originally mixed.

Premixing: When tank mixing, initial mixing and dispersion of certain dry flowable or wettable powder products may be improved by premixing with water (slurrying). Where recommended, follow product label instructions for each material. Adding the slurried material to the spray tank through a 20 to 35 mesh wetting screen will help assure good initial dispersion. Line screens in the tank through a 20 to 35 mesh wetting screen will help assure good initial dispersion. Line screens in the tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

Testing for Compatibility in Liquid Fertilizers

ORYZA AG alone or in combination with dry flowable (DF), wettable powder (WP), aqueous suspension (AS), flowable (F), liquid (L), solution (S) or emulsifiable concentrate (EC) formulations may not combine properly with some liquid fertilizer materials. Small quantities of such mixtures should always be tested before full-scale mixing. Follow the testing procedure below to determine if a compatibility agent is needed or which compatibility agent works best in your liquid fertilizer plus herbicide mixture.

Testing Procedure

1. Add 1 pint of liquid fertilizer to 1-quart glass jar.
2. Add 1 to 4 teaspoonfuls of DF, WP, ORYZA AG, other AS formulations, F, or L formulations, depending on mixing ratio required, to the liquid fertilizer. Close the jar and shake until evenly dispersed after addition of each formulation. If dry flowable or wettable powder formulations do not disperse well, it may be necessary to slurry the materials in a small amount of water before addition to the liquid fertilizer.
3. After dispersing the materials in step 2, add any S formulations to the jar and shake well. Finally, add EC formulations to the mixture and shake well. Observe the jar for about 10 minutes. If materials rise to the surface and form a thick layer that will not redisperse when agitated, a compatibility agent is needed. If the mixture is easily dispersed with slight agitation, a compatibility agent is not required. Good agitation, however, must be provided to maintain dispersion in the spray tank from mixing through application.
4. If the need for a compatibility agent is demonstrated in step 3, the following procedure is recommended. Using a clean clear plastic or glass container, repeat step 1 above and add 1/2 teaspoon of the compatibility agent to the liquid fertilizer mixture. Shake well and then repeat steps 2 and 3.

An effective compatibility agent will cause the mixture to remain uniformly mixed with little or no separation for 1/2 hour or longer. If slight separation occurs, 2 to 3 inversions of container should be sufficient to uniformly redisperse the mixture. If layers form which will not disperse, try adding additional compatibility agent or use an alternative compatibility agent to achieve a uniform mixture.

Use a clean jar in each test. A compatible mixture will have a uniform appearance and will be relatively easy to redisperse with gentle agitation of the jar.

Compatibility Agents

Use a phosphate ester-type surfactant designed for use with liquid fertilizers mixed at rates as low as 1 1/2 to 2 pints per ton of liquid fertilizer. This type of surfactant usually doesn't work well as compatibility agent for tank mixes in plain water. Add the compatibility agent just before adding herbicides. Read and follow label directions for the compatibility agent.

Application Methods

Ground Broadcast Application

Apply ORYZA AG directly to the soil surface of the orchard or vineyard in a total spray volume of 20 to 40 gallons per acre (broadcast basis), using any properly calibrated low pressure herbicide sprayer that will apply the spray uniformly. Use herbicide nozzle tips and screens no finer than 50 mesh for nozzle and in-line strainers. As the amount of spray volume per acre decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily to insure proper calibration and uniform application. Avoid boom overlaps that will increase rates above those recommended.

Band Application

For band application, use the following formula to calculate the required amount of product per acre.

$$\frac{\text{Band Width (inches)}}{\text{Row Width (inches)}} \times \text{Broadcast rate per acre} = \text{Amount required per acre}$$

Chemigation

ORYZA AG may be applied through properly equipped chemigation systems for weed control in fruit and nut orchards or vineyards. Read and follow all label instructions outlined below concerning chemigation before applying ORYZA AG by this method.

Chemigation Use Precautions: Apply this product only through solid set or hand move systems designed to distribute sprinkler irrigation beneath the tree canopy. Solid set systems utilizing tall risers for overhead application are excluded, except for dormant season applications of ORYZA AG. Do not apply this product through any other type of irrigation system.

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

If you have questions about calibration you should contact state extension specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

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

Sprinkler Chemigation Directions: The following directions must be followed for all recommended sprinkler irrigation systems (solid set and hand move systems):

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back-flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point that pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. ORYZA AG should be injected continuously throughout the chemigation period. The chemigation metering pump should be checked periodically during application to insure proper operation.
9. The injection metering pump must be calibrated as specified by the manufacturer.
10. During chemigation, maintain agitation in supply tank at all times.
11. ORYZA AG may cause some staining of plastic hoses and tanks.
12. Apply ORYZA AG in sprinkler irrigation equal to 1/2 to 1 inch of water.

Chemigation System Calibration: Sample calibration for use of ORYZA AG in a chemigation system:

- Assume, in this example, 35 acres are to be covered by a chemigation treatment.
- Product required, assuming 1 quart per acre is 35 quarts (8.75 gallons).
- Prepare a mixture containing 1 part water and 1 part ORYZA AG by adding 8.75 gallons of product to the supply tank containing an equal amount of water (total volume = 17.5 gallons).
- Adjust the injection system to deliver 17.5 gallons during the time required to apply 1 inch of water to 35 acres.
- If the irrigation system requires 5 hours to apply 1 inch of water to 35 acres, the injection rate is 3.5 gallons per hour and is calculated as follows:

$$17.5 \text{ gallons} / 5 \text{ hours} = 3.5 \text{ gallons/hour}$$

$$[3.5 \text{ gallons} = 448 \text{ fluid ounces (fl oz)}]$$

Proper calibration requires the injection pump to be adjusted to deliver 7.47 fl oz per minute and is calculated as follows:

$$448 \text{ fl oz per hr} / 60 \text{ min per hr} = 7.47 \text{ fl oz/min.}$$

Chemigation Mixing Directions: The injection mixture (slurry) with minimum volume may be prepared by adding the required amount of ORYZA AG to an equal amount of water in the injection tank (ratio ORYZA AG to water = 1:1). Meter the mixture into the irrigation system during the entire irrigation period. Additional dilution of ORYZA AG may be necessary for accurate calibration of equipment designed to deliver a larger injection volume per hour. Maintain supply tank agitation throughout the irrigation period.

Undiluted ORYZA AG should not be injected into chemigation systems.

Weeds and Grasses Controlled

Annual Grasses

Common Name	Scientific Name	Common Name	Scientific Name
barley, little	<i>Hordeum pusillum</i>	guineagrass	<i>Panicum maximum</i>
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>	(narrowleaf panicum)	
bluegrass, annual (poa)	<i>Poa annua</i>	goosegrass	<i>Eleusine indica</i>
brachiaria (signalgrass)	<i>Brachiaria</i> spp.	johnsongrass (seedling only)	<i>Sorghum halepense</i>
browntop panicum	<i>Panicum fasciculatum</i>	junglerice	<i>Echinochloa colona</i>
crabgrass	<i>Digitaria</i> spp.	lovegrass, Mexican	<i>Eragrostis mexicana</i>
(large crabgrass)		lovegrass, orcutt	<i>Eragrostis orcuttiana</i>
(smooth crabgrass)		oat, wild	<i>Avena fatua</i>
crowfootgrass	<i>Dactyloctenium aegyptium</i>	ryegrass, annual (Italian)	<i>Lolium multiflorum</i>
cupgrass	<i>Echinochloa gracilis</i>	sandbur, field	<i>Cenchrus incertus</i>
downy brome	<i>Bromus tectorum</i>	sprangletop, red	<i>Leptochloa filiformis</i>
fall panicum	<i>Panicum dichotomiflorum</i>	Texas panicum	<i>Panicum texanum</i>
(spreading panicgrass)		(buffalograss)	
foxtails	<i>Setaria</i> spp.	(Coloradograss)	
(bottlegrass)		witchgrass	<i>Panicum capillare</i>
(bristlegrass)			
(giant foxtail)			
(green foxtail)			
(pigeongrass)			
(robust foxtail)			
(yellow foxtail)			

Annual Broadleaf Weeds

Common Name	Scientific Name	Common Name	Scientific Name
carpet weed	<i>Mollugo verticillata</i>	pigweeds	<i>Amaranthus</i> spp.
chickweed	<i>Stellaria media</i>	(carelessweed)	
cudweed	<i>Gnaphalium chilense</i>	(prostrate pigweed)	
fiddleneck, coast	<i>Amsinckia intermedia</i>	(redroot pigweed)	
Florida pusley	<i>Richardia scabra</i>	(rough pigweed)	
(Florida purslane)		(smooth pigweed)	
(Mexican clover)		(spiny pigweed)	
(pusley)		(tumble pigweed)	
henbit	<i>Lamium amplexicaule</i>	puncturevine	<i>Tribulus terrestris</i>
knotweed, prostrate	<i>Polygonum aviculare</i>	purslane, common	<i>Portulaca oleracea</i>
lambsquarters	<i>Chenopodium album</i>	rockpurslane, redmaids	<i>Calandrinia caulescens</i>
		shepherdspurse	<i>Capsella bursa-pastoris</i>

ORYZA AG provides partial control or suppression of:

Common Name	Scientific Name	Common Name	Scientific Name
filaree, redstem	<i>Erodium cicutarium</i>	nightshade, black	<i>Solanum nigrum</i>
filaree, whitestem	<i>Erodium moschatum</i>	prickly sida (teaweed)	<i>Sida spinosa</i>
groundsel, common	<i>Senecio vulgaris</i>	ragweed, common	<i>Ambrosia artemisiifolia</i>
ladysthumb	<i>Polygonum persicaria</i>	ragweed, giant	<i>Ambrosia trifida</i>
lettuce, prickly	<i>Lactuca serriola</i>	rocket, London	<i>Sisymbrium irio</i>
mallow, common	<i>Malva neglecta</i>	smartweed, annual	<i>Polygonum</i> spp.
milkweed, climbing	<i>Sarcostemma cynanchoides</i>	sowthistle, annual	<i>Sonchus oleraceus</i>
morningglory, annual	<i>Ipomoea</i> spp.	spurge, prostrate	<i>Euphorbia humistrata</i>
mustard, black	<i>Brassica nigra</i>	spurge, spotted	<i>Euphorbia maculata</i>
mustard, wild	<i>Sinapis arvensis</i>	velvetleaf	<i>Abutilon theophrasti</i>

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APPROVED CROPS

Tree and Vine Crops - Citrus, Fruit and Nut Trees, Berries and Vineyards (Non Bearing and Bearing)

Apply ORYZA AG as a preemergence treatment to control annual grasses and broadleaf weeds listed in "General Information" section.

Crop Listing: ORYZA AG may be used in the following crop groupings:

Citrus Fruits such as:	Pome and Stone Fruits such as:	Tree Nuts such as:	Berries such as:	Vineyards
citrus citron citrus hybrids grapefruit kumquat lime lemon mandarin (tangerine) orange pummelo	apple apricot cherry crabapple loquat mayhaw nectarine peach pear plum prune quince	almond chestnut chinquapin filbert hickory nut macadamia nut pecan pistachio walnut	blackberry blueberry ¹ boysenberry currant dewberry elderberry gooseberry loganberry raspberry	grapes

¹Do not apply ORYZA AG to lowbush blueberries.

In addition to the crops within crop groupings listed above, ORYZA AG may be used in the following crops: avocado, fig, guava, kiwi fruit, olive, papaya, and pomegranate.

Broadcast Application Rates

Soil Texture	Length of Control	ORYZA AG (qt/acre)	Minimum Time Between Applications (months)	Total Amount Allowed Per Year (qt/acre)
All Soil Textures	Short Term (2 - 4 months)	2	2.5	12
	Long Term (6 - 8 months)	4	2.5	12
	(8 - 12 months)	6	2.5	12

Management of Orchard and Vineyard Middle Strips with Reduced Rates

In areas between tree or vine rows apply 1-2 quarts/acre of ORYZA AG for temporary suppression of weed growth in spring and summer months. Include a burndown treatment if existing weeds are present. Adjust rates of repeat applications as necessary to achieve re-establishment of desired vegetation during winter months.

Chemigation

ORYZA AG may be applied through properly equipped chemigation systems for weed control in fruit and nut orchards and vineyards. Refer to "Chemigation" in "General Information" for use directions. Do not apply ORYZA AG by chemigation unless these use directions are carefully followed.

Apply ORYZA AG by chemigation prior to weed germination or immediately after existing weeds have been controlled. Control existing unwanted vegetation by tillage or with a contact or translocated herbicide. Use broadcast application rates recommended for ORYZA AG alone. Apply in sprinkler irrigation equal to 1/2 to 1 inch of water on medium to fine textured or high organic matter soils.

ORYZA AG Tank Mix Recommendations

To broaden the spectrum of weed control, ORYZA AG may be applied in tank mix combination with labeled rates of other herbicide products, including, but not limited to Goal, Gramoxone Super, Princep (Simazine), Roundup/glyphosate, or Solicam herbicide. Performance and risk of carryover from tank mixed products used in combination with ORYZA AG at recommended rates is the same as when each product is used separately.

Broadcast Application Rates

Length of Control	ORYZA AG		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

Non-Bearing Tree and Vine Crops: For additional broad spectrum control of broadleaf weeds in non-bearing fruit and nut trees, berries, and vineyards, ORYZA AG may be applied in tank mix combination with labeled rates of Gallery[®] 75 Dry Flowable herbicide. Non-bearing crops are defined as plants that will not bear fruit for at least one year after treatment.

Follow tank mixing instructions in the "Mixing Directions" section of this label when mixing ORYZA AG with other products.

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Users should always consult the manufacturer's label for the product(s) to be tank mixed with ORYZA AG for specific information on use rates, additional weeds controlled, rotational crop restrictions or risk of carryover, special tank mix instructions, additional use directions, precautions and limitations.

Christmas Tree Plantations

ORYZA AG - Alone

Apply ORYZA AG 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.). Do not apply to Douglas-fir (*Pseudotsuga menziesii*). Do not apply to seedbeds or seedling transplant beds. Apply only to established plantings. Established plantings are defined as those 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. Follow all instructions provided in the "General Information" section of this label.

Tank Mix Combinations

Tank mix combinations of ORYZA AG 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 label of the product to be tank mixed with ORYZA AG for specific use directions, precautions and limitations before use.

ORYZA AG herbicide Plus Roundup/Glyphosate Herbicide: Apply tank mix combinations of ORYZA AG plus Roundup only as directed sprays in Christmas tree plantings. When applied according to use directions, ORYZA AG 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 AG. Refer to the label for Roundup for specific use directions, precautions and limitations before use.

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, Inc. 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, Inc. 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, 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, Inc. or the seller. All such risks shall be assumed by buyer.

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