

# NET CONTENTS 1 QUART

## FOR USE ON RICE IN CALIFORNIA ONLY



Active Ingredient	By Wt
Bispyribac-sodium*	37.57%
Other Ingredients	62.43%
Total	100.00%

\*sodium 2,6-bis[(4,6-dimethoxypyrimidin-2-yl)oxy]benzoate

Regiment® CA EZ Herbicide is a suspension concentrate with 3.7 lb bispyribac-sodium per gallon.

EPA Reg. No. 59639-258 EPA Est. 228-IL-1(X), 228-IL-2(A), 39578-TX-1(E), 5481-ID-1(M), 5905-GA-1(C),  
62171-MS-1(C), 62171-MS-3(P), 62171-MS-4, 67545-AZ-1(V), 67997-IA-1, 67997-IA-7, 70815-GA-1(V),  
70815-GA-2(C), 70815-GA-3, 71764-NC-1, 86555-MO-1(C), 89332-GA-1(D), 89332-GA-2(K), 97524-GA-1(Z)

Superscript is first letter of lot number.

**KEEP OUT OF REACH  
OF CHILDREN  
CAUTION**

**SEE BOOKLET FOR  
ADDITIONAL  
PRECAUTIONARY  
STATEMENTS**

**Regiment® CA EZ**  
HERBICIDE

**Shake Well Before Use**

## FIRST AID

- If swallowed:** Call a poison control center or doctor immediately for treatment advice.  
Have person sip a glass of water if able to swallow.  
**DO NOT** induce vomiting unless told to do so by a poison control center or doctor.  
**DO NOT** give anything by mouth to an unconscious person.
- If on skin or clothing:** Take off contaminated clothing.  
Rinse skin immediately with plenty of water for 15-20 minutes.  
Call a poison control center or doctor for treatment advice.
- If inhaled:** Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
Call a poison control center or doctor for further treatment advice.
- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Call a poison control center or doctor for treatment advice.

## HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL NATIONAL POISON CONTROL AT 1-800-222-1222 OR CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 24 hours per day, 7 days per week. For general information about this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>. You may also contact Valent at **1-800-892-0099** for emergency medical treatment information.

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, waterproof or chemical-resistant gloves for example barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils or Viton  $\geq 14$  mils, socks and shoes.

### **USER SAFETY REQUIREMENTS**

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

### **USER SAFETY RECOMMENDATIONS**

- Remove clothing/PPE 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 product is toxic to non-target plants. For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present or intertidal areas below the mean high-water mark. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

**GROUNDWATER ADVISORY STATEMENT:** This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**SURFACE WATER ADVISORY STATEMENT:** This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of bispyribac-sodium from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

## **DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**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 12 hours.

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, including plants, soil, or water, is: coveralls, waterproof or chemical-resistant gloves for example barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils or Viton  $\geq 14$  mils, socks and shoes.

## PRODUCT INFORMATION

*Regiment* CA EZ Herbicide is a selective, postemergence contact herbicide which provides control of many weeds infesting rice. It has an exceptionally wide window of application and may be used as an integral part of a weed control program in conjunction with a resistance management strategy (See resistance management section in this label.) The mode of action is the inhibition of the acetolactate synthase (ALS) enzyme, and thus, activity is relatively slow, 14 to 21 days for complete control. Susceptible weeds turn yellow and stop growing 3 to 7 days after treatment. Browning of sensitive weeds is evident in 7 to 14 days after treatment with death of the stem and roots occurring within 14 to 21 days after treatment. *Regiment* CA EZ Herbicide is not a residual/soil active herbicide and will not prevent reinfestation of weeds which germinate after application. Thorough application spray coverage of weed foliage is needed for acceptable control. *Regiment* CA EZ Herbicide is rainfast 8 hours after application. Temporary injury to rice may occur after application, but injury is transient and yields are not adversely affected. Fertilizer top-dressing will speed temporary injury recovery.

**Table 1. *Regiment* CA EZ Herbicide Rate Summary**

FL OZ of <i>Regiment</i> CA EZ Herbicide	Pounds of Bispyribac-sodium
1.00	0.029
1.15	0.033
1.40	0.040

## USE RESTRICTIONS

- **DO NOT** apply more than 1.4 fl oz (0.040 lb ai) of *Regiment* CA EZ Herbicide per acre per application.
- **DO NOT** make more than 1 application of *Regiment* CA EZ Herbicide per acre per year.

- **DO NOT** apply more than 1.4 fl oz (0.040 lb ai) of *Regiment* CA EZ Herbicide per acre per year.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** double spray ends of field.
- **DO NOT** apply to second crop (stubble/ratoon crop) rice.
- **DO NOT** apply to stressed rice or weeds.
- **DO NOT** use *Regiment* CA EZ Herbicide on the first rice crop grown in fields that have been land leveled resulting in severe cut and heavy fill areas (does not apply to maintenance leveling).
- **DO NOT** tank mix *Regiment* CA EZ Herbicide with malathion, methyl parathion, propanil or herbicidal mixtures which contain propanil because antagonism and/or injury will occur.
- **DO NOT** make an application of methyl parathion or malathion within 7 days of a *Regiment* CA EZ Herbicide application.
- **DO NOT** use a crop oil concentrate surfactant with *Regiment* CA EZ Herbicide alone or in combination with other herbicides or insecticides.
- **DO NOT** apply to rice paddies where commercial crayfish farming is practiced.
- **DO NOT** use treated water as a water source for livestock until the concentration of bispyribac-sodium in water is  $\leq 1$ ppb.

## USE PRECAUTIONS

- Water drained directly from treated fields must not be used to irrigate other crops.
- *Regiment* CA EZ Herbicide is a contact herbicide which is not soil active and does not provide residual activity. Reinfestation of weeds may occur if a permanent flood is not established in a timely manner.
- Any environmental (e.g., temperature, drought, etc.) or other stress (e.g., herbicide injury, fertilizer injury or nutrient deficiencies, etc.)

factors which decrease plant metabolism and growth may reduce *Regiment* CA EZ Herbicide efficacy and increase rice injury.

- Temporary injury, chlorosis and/or stunting may occur after application, but injury is transient. Fertilizer top-dressing will speed temporary injury recovery. Medium grain varieties may be more sensitive than long grain varieties. Pubescent (hairy) leaf varieties may be more sensitive to *Regiment* CA EZ Herbicide than glabrous (smooth) leaf varieties.
- Japanese cultivars, M-206, and other varieties with low seedling vigor may be more sensitive to *Regiment* CA EZ Herbicide, especially under stress conditions.
- Water-seeded rice that has not fully pegged (rice root system not completely below the soil surface) is susceptible to significant injury from *Regiment* CA EZ Herbicide, regardless of number of leaves.
- *Regiment* CA EZ Herbicide is a contact herbicide and does not have any systemic activity and thus, thorough coverage is essential for acceptable weed control. Inadequate coverage will result in unacceptable weed control and/or weed re-growth.
- When weed populations are severe, a second application of *Regiment* CA EZ Herbicide or another herbicide may be necessary.



## Resistance Management

For resistance management, *Regiment* CA EZ Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to *Regiment* CA EZ Herbicide and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Follow appropriate resistance management strategies.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of *Regiment* CA EZ Herbicide or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.

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- Scout fields prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Scout fields after application to verify that the treatment was effective. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting, and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management directions for specific crops and weed biotypes or to find out if suspected resistant weeds have been found in their region.
- For further information or to report lack of performance or suspected resistance, contact Valent U.S.A. LLC at 800-6-VALENT (682-5368).

**Table 2. *Regiment* CA EZ Herbicide Use Rates and Weeds Controlled and Suppressed**

<b>WEEDS CONTROLLED</b>	<b>SCIENTIFIC NAME</b>	<b>WEED SIZE</b>	<b>RATES* FL OZ/ACRE</b>
Watergrass	<i>Echinochloa crus-galli</i> var. <i>oryzicola</i>	2 leaf up to 2 tillers	1.00 to 1.15
	<i>Echinochloa oryzoides</i>	2 leaf up to 2 tillers	
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 leaf up to 3 tillers	
Watergrass, resistant biotypes	<i>Echinochloa crus-galli</i> var. <i>oryzicola</i>	5 leaf up to 2 tillers	1.15 to 1.40
	<i>Echinochloa oryzoides</i>	5 leaf up to 2 tillers	
	<i>Echinochloa phyllopogon</i>	5 leaf up to 2 tillers	1.40
Arrowhead, California	<i>Sagittaria montevidensis</i> spp. <i>Calycina</i>	1 leaf up to flower initiation	1.00 to 1.15
Ducksalad	<i>Heteranthera</i> spp.	1 leaf up to "spoon leaf"	1.00 to 1.15
Waterhyssop	<i>Bacopa rotundifolia</i>	1 leaf up to 4 leaf	1.00 to 1.15
Monochoria	<i>Monochoria vaginalis</i>	1 leaf up to flower initiation	1.00 to 1.15

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\*See Table 1. *Regiment* CA EZ Herbicide Rate Summary for pounds active ingredient.

**Table 2. *Regiment* CA EZ Herbicide Use Rates and Weeds Controlled and Suppressed** (continued)

<b>WEEDS CONTROLLED</b>	<b>SCIENTIFIC NAME</b>	<b>WEED SIZE</b>	<b>RATES* FL OZ/ACRE</b>
Gregg's Arrowhead	<i>Sagittaria logiloba</i>	1 leaf up to flower initiation	1.00 to 1.15
Waterplantain	<i>Alisma triviale</i>	1 leaf up to flower initiation	1.00 to 1.15
<b>WEEDS SUPPRESSED</b>	<b>SCIENTIFIC NAME</b>	<b>WEED SIZE</b>	<b>RATES* FL OZ/ACRE</b>
Redstem	<i>Ammannia</i> spp.	1 to 4 inches	1.00 to 1.15
Ricefield Bulrush	<i>Scirpus mucronatus</i>	2 leaf up to flower initiation	1.00 to 1.15
Smallflower Umbrellapant	<i>Cyperus difformis</i>	1 to 4 inches	1.15 to 1.40

Adjuvant: Application of *Regiment* CA EZ Herbicide must include a surfactant unless otherwise specified in another section of this label. Refer to the Valent bulletin "Approved Surfactants for use with *Regiment* CA EZ Herbicide" for a list of approved surfactants and rates. Use of surfactants other than the one specified is done at the sole risk of the user to the extent consistent with applicable law. (28% or 32% UAN (Urea Ammonium Nitrate) at 1% to 2% v/v maybe used in conjunction with an approved surfactant) Refer to the Valent Product Bulletin "Approved Surfactants for use with *Regiment* CA EZ Herbicide" for additional information.

\*See Table 1. *Regiment* CA EZ Herbicide Rate Summary for pounds active ingredient.

## DRY-SEEDED OR WATER-SEEDED

- Apply *Regiment* CA EZ Herbicide to rice after the 4-leaf stage of development until the panicle initiation (green ring/just prior to joint movement) stage of development. **DO NOT** apply to rice before the 4th leaf is fully expanded or after panicle initiation. Regardless of seeding method, rice must have the 4th leaf fully expanded and the root system must be completely below the soil surface prior to *Regiment* CA EZ Herbicide application.
- **Pinpoint or Leathers Flood Culture:** After seeding rice into the initial (seedling) flood, drain the field when the root is approximately 1/4 inch long, but before shoot growth has been initiated. This will allow the root to peg (tack) to the soil. Apply *Regiment* CA EZ Herbicide after draining when the rice seedling is in at least the 4-leaf (fully expanded) stage and the root system is completely covered with soil. At application, the soil needs to be wet to the surface and the weeds actively growing. If soil is allowed to dry after application, a reduction in efficacy and/or weed re-growth may occur. Bring the field to pinpoint flood level 2 to 3 days after application. Prolonged drainage can stress the rice plant and/or allow for subsequent weed germination which could potentially result in yield reduction.
- **Dry-Seeded Pre-Flood Culture:** At application, the soil needs to be wet to the surface and the weeds actively growing. Following application, wait at least one day for herbicide uptake then establish the permanent flood as soon as the rice will tolerate flooding. Under conditions in which the permanent flood is delayed, flush as necessary to maintain rice growth and maintain moisture in the weed root zone in order to ensure active weed growth. If soil is allowed to dry after application, a reduction in efficacy and/or weed re-growth may occur. Establishing the permanent flood 2 to 7 days after

application will optimize weed control. Reinfestation of weeds and/or weed re-growth may occur if a permanent flood is not established in a timely manner.

- **Post-Flood Application:** Prior to application, the floodwater must be lowered so that 70% of the weed plant surface is above the floodwater. Failure to do so will result in insufficient weed control. Bring the field to normal flood level 2 to 3 days after application.
- When nighttime temperatures are below 55°F for 3 or more consecutive nights before or after *Regiment* CA EZ Herbicide application, loss of weed control and/or weed re-growth may occur.
- Refer to Table 2. *Regiment* CA EZ Herbicide *Use Rates and Weeds Controlled*.
- Use the upper end of the specified use rate range when weed populations are approaching the maximum controllable size and/or weed infestation is severe. When weed populations are severe, a second application of *Regiment* CA EZ Herbicide or another herbicide may be necessary.
- **Herbicide Resistant Watergrass Biotypes (Early and Late):** In localized specific areas, these species have exhibited resistance to various herbicides. If resistant species have been documented in your field(s), consult your crop advisor or local extension service for further information. Resistance management will prolong the usefulness of all rice herbicides.
- When making application of *Regiment* CA EZ Herbicide for control of *Echinochloa phyllopogon* (rice mimic), use the 1.4 fl oz/A rate plus the appropriate surfactant. **DO NOT tank mix *Regiment* CA EZ Herbicide with insecticides or other herbicides.** In fields where there are severe populations of this species, it may be necessary to make an additional application of another herbicide including propanil.

- **DO NOT** use *Regiment* CA EZ Herbicide on the rice variety CM 101. Pubescent (hairy) leaf varieties are more sensitive to *Regiment* CA EZ Herbicide than glabrous (smooth) leaf varieties.
- Japanese cultivars, M-206, and other varieties with low seedling vigor may be more sensitive to *Regiment* CA EZ Herbicide, especially under stress conditions.
- Fertilizer top-dressing will speed recovery from any temporary injury that may occur.

### **TANK MIX APPLICATIONS**

**NOTICE:** Tank mixing of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on the product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

*Regiment* CA EZ Herbicide may be tank mixed with products listed in Table 3. *Tank Mix Partners*. Tank mixing with other herbicides may cause antagonism to the activity of *Regiment* CA EZ Herbicide. Due to the potential for antagonism, a subsequent application of *Regiment* CA EZ Herbicide or another herbicide may be necessary.

**Table 3. Tank Mix Partners**

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**Active Ingredient**

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Azoxystrobin  
bensulfuron methyl  
Diflufenzuron  
Lambdacyhalothrin  
Pendimethalin  
Thiobencarb  
Triclopyr

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**METHOD OF APPLICATION**

*Regiment* CA EZ Herbicide is a contact herbicide and does not have any systemic activity and thus, thorough coverage is essential for acceptable weed control. Inadequate coverage will result in unacceptable weed control and/or weed re-growth. Uniformly apply *Regiment* CA EZ Herbicide or *Regiment* CA EZ Herbicide tank mixes by aircraft in **no less than 10 gallons** of water per acre total spray volume or by ground equipment in a minimum of 15 to 20 gallons of water per acre total spray volume. Reduced spray volume, or other factors which adversely affect coverage and canopy penetration will have a negative effect on the performance of *Regiment* CA EZ Herbicide. Use nozzle types and nozzle arrangements which will provide maximum coverage and minimize the potential for off target movement of spray particles. When making application with ground equipment, use flat fan nozzles only. **DO NOT** use air inducing or flood type nozzles. **DO NOT** use ditch water, turbid or high sediment water in spray equipment. Buffer application water if the pH is above 7.0 or below 6.0. (Refer to label section "Mandatory Spray Drift").



## **MIXING AND SPRAYING EQUIPMENT PREPARATION AND CLEANUP**

### **MIXING INSTRUCTIONS**

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the *Regiment* CA EZ to the spray tank. Agitation creates a rippling or rolling action on the water surface.
3. If tank mixing *Regiment* CA EZ Herbicide with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
4. Add any required adjuvants.
5. Fill spray tank to desired level with water. Continue agitation until all spray solution has been applied.
6. Mix only the amount of spray solution that can be applied the day of mixing.

**RESTRICTION: DO NOT USE CHLORINE BLEACH WITH AMMONIA. REMOVE ALL TRACES OF LIQUID FERTILIZER CONTAINING ANY FORM OF AMMONIA OR AMMONIUM BEFORE ADDING ANY CHLORINE SOURCE SUCH AS CHLORINE BLEACH.**

Prior to using *Regiment* CA EZ Herbicide, thoroughly drain, clean, and rinse all mixing and spraying equipment that will come in contact with *Regiment* CA EZ Herbicide. Follow the cleanup procedures specified by the manufacturer of the previously sprayed product. Failure to remove all deposits of previously sprayed products may result in collection of *Regiment* CA EZ Herbicide residues and inhibit cleanup of mixing and spraying equipment after *Regiment* CA EZ Herbicide use. Failure to remove all deposits of previously sprayed products may also result in a reduction in the efficacy of *Regiment* CA EZ Herbicide or crop injury.

Residual amounts of herbicide in or on mixing or spraying equipment may have an adverse effect on subsequently sprayed crops. Thoroughly drain, clean and rinse all mixing and spraying equipment including

tanks, booms, hoses, strainers, screens, and nozzles immediately after use. Use the following procedure:

1. Remove all physical residues.
2. Thoroughly drain and rinse tanks, booms, and hoses with clean water.
3. Fill the tank one half full of clean water and use a spraying/mixing tank cleaner that DOES NOT contain chlorine. Fill the remainder of the tank with clean water. Let agitate/recirculate according to the directions of the cleaner manufacturer. Thoroughly flush the boom and hoses before draining.
4. Rinse all hoses, tanks, nozzles, strainers, and booms with clean water to remove the tank cleaner. Follow the directions provided by the tank cleaner manufacturer.
5. Fill the tank half full of clean water and add one (1) gallon of 3% active household ammonia for every 100 gallons of water the tank will hold. Fill the remainder of the tank with clean water and allow the solution to agitate/recirculate for 15 minutes. Thoroughly flush the ammonia cleaning solution through the boom, hoses, nozzles, screens, and strainers before draining the tank.
6. Remove the strainers, nozzles, and screens and clean separately in a solution of household ammonia and water.
7. Replace the strainer(s), nozzles, and screens.
8. Repeat Step 5.
9. Thoroughly rinse the tank with clean water and flush the water through the boom, nozzles and hoses in order to remove all traces of ammonia.
10. Dispose of the rinsate on site or at an approved waste disposal facility.

*Regiment* CA EZ Herbicide may remain in the spray or mixing tank for up to 3 days following mixing without loss of activity. If the spray solution is allowed to sit, thoroughly agitate before use. Carefully follow clean out instructions after the tank is emptied.

## **BUFFER ZONE RESTRICTIONS**

When making either air or ground applications of *Regiment* CA EZ Herbicide tank mixtures adjacent to crops other than rice, the following buffer zones are required:

### Aerial Application

- **DOWNWIND**  
– 1/2 mile (2640 ft.) when wind speeds are 2 – 8 mph
- **UPWIND**  
– 250 ft. when wind speeds are 2 – 8 mph

### Ground Application

- **DOWNWIND**  
– 250 ft. when wind speeds are 2 – 8 mph

## **MANDATORY SPRAY DRIFT**

### **Aerial Applications:**

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser spray droplet size (ASABE S572.1). The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.

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## **MANDATORY SPRAY DRIFT** (continued)

### **Aerial Applications:**

- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **Ground Boom Applications:**

- User must only apply with the release height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **Boomless Ground Applications:**

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

## **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size – Ground Boom**

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size – Aircraft**

- Adjust Nozzles – Follow nozzle manufacturer's directions for setting up nozzles. Generally, to reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

### **BOOM HEIGHT – Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage.

For ground equipment, the boom must remain level with the crop and have minimal bounce.

## **RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift. When applying aerially to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

## **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

## **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Boom-less Ground Applications:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications:**

- Take precautions to minimize spray drift.

## **STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food or feed by storage or disposal.

### **STORAGE**

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

**DO NOT** put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 800-892-0099.

### **PESTICIDE DISPOSAL**

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING**

Rigid Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or dispose in trash or in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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### **PROMPT NOTICE OF CLAIM**

To the extent consistent with applicable law allowing such requirements, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing crops can be made. To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

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Manufactured for:

**Valent U.S.A. LLC**

P.O. Box 5075

San Ramon CA 94583

Made in U.S.A.

Form 2456-A

EPA Reg. No. 59639-258

EPA Est. 228-IL-1<sup>(X)</sup>, 228-IL-2<sup>(A)</sup>, 39578-TX-1<sup>(E)</sup>, 5481-ID-1<sup>(M)</sup>, 5905-GA-1<sup>(C)</sup>,  
62171-MS-1<sup>(Q)</sup>, 62171-MS-3<sup>(P)</sup>, 62171-MS-4, 67545-AZ-1<sup>(V)</sup>, 67997-IA-1,  
67997-IA-7, 70815-GA-1<sup>(V)</sup>, 70815-GA-2<sup>(B)</sup>, 70815-GA-3, 71764-NC-1,  
86555-MO-1<sup>(S)</sup>, 89332-GA-1<sup>(D)</sup>, 89332-GA-2<sup>(K)</sup>, 97524-GA-1<sup>(Z)</sup>

Superscript is first letter of lot number.

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