

GROUP 28 INSECTICIDE



## Insecticide

For foliar and systemic insect control on ornamental plants, shrubs and trees in greenhouses and interior plantscapes.

- Effective on both chewing and sucking pests
- Excellent for insecticide resistance management programs
- Excellent choice for IPM programs

*Active Ingredient:*

Cyantraniliprole\*  
3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1H-pyrazole-5-carboxamide . . . . . 18.66%

*Other Ingredients:* . . . . . 81.34%

*Total:* . . . . . 100.00%

Mainspring is a suspension concentrate. This product contains 1.67 pounds of active ingredient per gallon.

\*Cyantraniliprole belongs to the anthranilic diamide chemical class.

### KEEP OUT OF REACH OF CHILDREN / MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS.

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.)

See additional precautionary statements and directions for use inside booklet. Vea el folleto para precauciones e instrucciones del uso.

EPA Reg. No. 100-1552  
EPA Est. 072344-MO-004

SCP 1552A-L1 0714

### FIRST AID • PRIMEROS AUXILIOS

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

### HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance  
(Human or Animal)  
or Chemical Emergency Assistance  
(Spill, Leak, Fire or Accident),  
Call  
**1-800-888-8372**

Quando llame a un centro de control de envenenamiento, a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto. Para más información sobre el tratamiento médico de emergencia, llame al  
**1-800-888-8372**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

When used as directed, this product does not present a hazard to humans or domestic animals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### EQUIPO DE PROTECCIÓN PERSONAL (PPE)

Los aplicadores y otros manipuladores de pesticidas necesitan usar:

- Camisa de manga larga, pantalones largos.
- Zapatos y calcetines.

Después de diluir el pesticida de acuerdo a las instrucciones de uso en la etiqueta, es suficiente usar el equipo de protección como camisa de manga larga, pantalones, calcetines y zapatos. Sigue las instrucciones del fabricante para la limpieza/mantenimiento del Equipo de Protección Personal. En el caso de no existir dichas instrucciones de limpieza para equipos de protección, utilice detergente y agua caliente. Mantenga y lave el Equipo de Protección Personal separadamente de otras prendas de vestir.

#### RECOMENDACIONES DE SEGURIDAD PARA LOS MANIPULADORES DE PESTICIDAS

**LOS MANIPULADORES DEBEN:** Lavarse minuciosamente con agua y jabón después de manipular los pesticidas, y antes de comer, beber, masticar chicle, usar tabaco o utilizar el sanitario. Quitarse la ropa sucia y lavarla antes de volverla a usar.

#### ENVIRONMENTAL HAZARDS

This product is toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming plants or weeds if bees are foraging the treatment area.

Do not contaminate water by cleaning of equipment or disposing of equipment wash water or rinsate.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 State or Tribal agency responsible for pesticide regulation.

Read and understand the entire label before using this product. Mainspring must be used in accordance with the directions of this label. Syngenta will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label, or on other supplemental labeling published as a result of new EPA approvals. User assumes all risks associated with such non-specified use.

## 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 (sod farms included), 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 the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

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 State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

For early entry into 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, wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

## RESTRICTIONS

- Avoid runoff or puddling of irrigation water following application.
- Do not apply more than 32 fluid ounces (equivalent to 0.4 lb of active ingredient) of product per acre per year.
- For foliar treatments, wait a minimum of 7 days to retreat.
- Always shake container well before use.

## PRODUCT INFORMATION

Mainspring is a suspension concentrate that may be applied for insect control on ornamental plants, shrubs and trees in greenhouses and interior plantscapes. Mainspring can be applied as a foliar spray, as a soil drench, and via chemigation. When applied as a foliar spray, the product will have translaminar movement and be locally systemic, providing residual efficacy of foliar insect pests. When Mainspring is applied to the root system of plants, it will be translocated upward in the plant due to its systemic activity. Systemic upward movement in herbaceous plants will be quicker than in those of woody plants, such as trees and shrubs. Soil applications should be made prior to anticipated pest infestation to allow adequate systemic movement and to achieve optimum levels of control.

Mainspring is in GROUP 28 of the EPA's Insecticide and Acaricide Groups Based on Target Site of Action and may be used in rotational resistance management programs.

Mainspring must be diluted with water before application.

Consult your Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

## **MIXING INSTRUCTIONS:**

### **Application Equipment Preparation**

Application equipment must be clean and free of previous pesticide deposits before mixing Mainspring.

### **Mixing Directions**

1. Use clean, well maintained and properly calibrated application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Shake the container of Mainspring well before pouring.
4. Then add Mainspring directly to the sprayer tank.
5. Mix thoroughly to fully disperse the insecticide and continue agitation to keep the insecticide in suspension. Use mechanical or hydraulic agitation. Do not use air agitation.
6. It is recommended that the mixture not be stored in the spray or mix tank overnight.

### **Tank-mixtures**

Mainspring may be tank-mixed with other pesticides. When tank-mixing Mainspring with other pesticides, observe the precautions and limitations on all product labels. Do not exceed label dosage rates. Mainspring may not be mixed with any product containing a label prohibition against such mixing. The physical compatibility of Mainspring will vary with different sources of pesticide products and local cultural practices. For a tank-mixture test, prepare on a small scale (pint or quart jar) using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture. Always follow the tank mix instructions of the product label that is most restrictive.

### **Tank-mixing Sequence**

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water-soluble bags
2. Water-dispersible granules
3. Wettable powders
4. Mainspring and other water-based suspension concentrates
5. Water-soluble concentrates
6. Oil-based suspension concentrates
7. Emulsifiable concentrates
8. Adjuvants, surfactants, oils
9. Soluble fertilizers
10. Drift retardants

## **APPLICATION EQUIPMENT CLEANING**

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

## **APPLICATION PROCEDURES AND SPRAY EQUIPMENT**

Mainspring readily mixes with water and may be used in many different types of application equipment and applied to either the foliage or root system. Mix product with the required amount of water and apply as desired dependent upon the selected use pattern.

## **FOLIAR APPLICATIONS**

Foliar treatment application rates are listed in Table 1. Mix the appropriate amount of Mainspring with the required amount of water and apply as a full-coverage foliar spray to control the selected target pest. Foliar applications offer locally systemic activity against insect pests. Repeat treatment as necessary to maintain control using higher listed application rates as pest pressure and foliage area increases while following resistance management recommendations.

Certain plant species or cultivars may be sensitive to the final spray solution. If local experience is not available, then a small number of plants should be treated and observed for phytotoxicity for at least one week before making an application to the entire planting. When making foliar applications to plants or crop with dense canopy or with hard-to-wet foliage such as holly, ivy, or pine, the addition of a spreader sticker is recommended. Use sufficient water volume to provide thorough and uniform coverage. Avoid making applications where uniform coverage cannot be obtained or where excessive spray drift can occur. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the spray areas as would be used in a dilute solution.

## **CONTAINER APPLICATIONS SOIL MEDIA**

Soil media applications of Mainspring can be made to containerized plants to control whiteflies and other ornamental pests. Application to soil media of containerized plants is presented in Table 2. It is recommended to only apply to moist soil media and not apply to dry or saturated soil media. For optimal performance, do not apply drench to soil media until roots from transplanting have grown. Do not leach treated soil media for at least 7 days after application or performance may be reduced. Excessive irrigation after application could reduce insect control performance. In general, higher listed rates will be needed to control insect pests on woody plants as compared to those on herbaceous plants.

## **IRRIGATION SYSTEMS (CHEMIGATION) APPLICATIONS**

Mainspring may be applied by injection into an irrigation system, either alone or in combination with other pesticides or chemicals that are registered for application through irrigation systems. Application dosages are presented in Table 3 below. Dilution ratios are normally 1:100 to 1:200, depending on the system. Apply this product only through micro-irrigation (individual spaghetti tube), drip irrigation, overhead irrigation, ebb-and-flood irrigation, or motorized calibrated irrigation equipment. Do not apply through any other type of irrigation system. Lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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.

### **Using Water from Public Water Systems**

**DO NOT APPLY MAINSPRING THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM.**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. Mainspring may be applied through irrigation systems which may be supplied by a public water system ONLY if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank. Any irrigation system using water supplied from a public water system must also meet the following requirements:

#### Operating Instructions for All Recommended Types of Irrigation Systems

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.
2. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing, check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
6. 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 where pesticide distribution is adversely affected.
7. 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.
8. Do not apply when wind speed favors drift beyond the area intended.

Apply Mainspring under the schedule specified in the specific use recommendations, not according to the irrigation schedule unless the events coincide. In general, set the equipment to apply the minimum amount of water per acre. Run the system at 86–90% of the manufacturer's maximum rated travel speed.

Users should check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

#### INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

Mainspring is recommended for IPM programs in greenhouses because it does not directly impact natural arthropod predator and parasitoid populations including ladybird beetles, lacewings, minute pirate bugs and predatory mites. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. Mainspring will reduce the target pest species that may serve as a food source for beneficial arthropods. If Mainspring is tank-mixed with a product that negatively impacts beneficial arthropods, then the full benefit of Mainspring to the IPM program may not be realized.

#### RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the labeled dosages fail to suppress the pest population below threshold levels. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area or crop.

**TABLE 1. INFORMATION FOR FOLIAR SYSTEMIC INSECT PEST CONTROL WITH MAINSPRING IN GREENHOUSES AND INTERIOR PLANTSCAPES.**

| Plants  | Target Pests  | Dosage* (per 100 gal) | Remarks  |
|---|---|-----------------------|--|
| Bedding Plants<br>Evergreens<br>Flowering Plants<br>Flowers<br>Foliage Plants<br>Ground Covers<br>Interior Plantscapes<br>Plants<br>Shrubs<br>Trees, including non-bearing fruit and nut trees**<br>Vines (non-bearing) | Lace bugs, leaf-feeding caterpillars (such as fall webworms, gypsy moths, redbud leaffolders), soft scales (such as oak lecanium scales), thrips and whiteflies | 1–8 fl oz             | Start treatments prior to establishment of high pest pressure and reapply as needed. |
|   | Japanese beetle adults and other leaf-feeding beetles (such as viburnum leaf beetle larvae)   | 2–8 fl oz             |  |
|   | For maximum residual control of the pests listed above  | 16 fl oz              |  |

\*For crops grown indoors, do not apply more than 32 fl oz (equivalent to 0.4 lb of active ingredient) of product per acre per crop.

\*\*Non-bearing fruit and nut trees are those trees that will not bear fruit or nuts for one year after application.

**TABLE 2. SPECIFIC USE INSTRUCTIONS FOR SOIL MEDIA APPLICATIONS OF MAINSPRING TO CONTAINERIZED PLANTS IN GREENHOUSES AND INTERIOR PLANTSCAPES BY APPLICATION OF SOIL DRENCH OR IRRIGATION SYSTEM.**

| Crop  | Pest   | Use   | Dosage <sup>1</sup>  |  |
|---|--|---|--|--|
| Bedding Plants<br>Evergreens<br>Flowering Plants<br>Flowers<br>Foliage Plants<br>Ground Covers<br>Interior Plantscape<br>Plants<br>Shrubs<br>Trees, including non-bearing fruit and nut trees <sup>2</sup><br>Vines (non-bearing) | Aphids, whiteflies (including sweet potato whitefly B-biotype) and other ornamental pests. | Soil media drench for plants grown in containers. Irrigation systems such as micro-irrigation, drip irrigation, overhead irrigation, ebb-and-flood irrigation, or motorized irrigation equipment. | <b>Soil Media Drench Solution<sup>3</sup></b>  |  |
|   |  |   | 12 fl oz (355 ml)  | 0.12 fl oz (3.6 ml)  |
|   |  |   | per 100 gal  |  |
|   |  |   | <b>Container Size (inches)</b>   | <b>Fl oz of dilute solution per container (ai/container)</b> |
|   |  |   | 4  | 2 (0.011)  |
|   |  |   | 5  | 3 (0.017)  |
|   |  |   | 6  | 4 (0.022)  |
|   |  |   | 7  | 5 (0.028)  |
|   |  |   | 8  | 6 (0.033)  |
|   |  |   | For larger containers, apply 3–4 fl oz of dilute solution per gallon of soil media. Drench volume should be sufficient to thoroughly wet soil media without overflowing or leaching through the bottom of container. |  |
| Soil Media Drench Volume for flats, trays, benches, or beds: Apply sufficient amount of drench solution, as provided above, to adequately wet soil media but not leaching out of bottom.  |  |   |  |  |
| <b>Chemigation: Ebb-and-Flood Application<sup>4</sup></b>   |  |   |  |  |
| <b>Container Size (inches)</b>  | <b>Fl oz (ml) product per 1,000 containers {ai/container}</b>                              |   |  |  |
| 4   | 1.9 (55 ml) {0.011}  |   |  |  |
| 5   | 2.9 (85.3 ml) {0.017}  |   |  |  |
| 6   | 3.8 (111 ml) {0.022}   |   |  |  |
| 7   | 4.7 (138 ml) {0.028}   |   |  |  |
| 8   | 5.6 (166 ml) {0.033}   |   |  |  |
| For larger containers, apply 3.8 fl oz of Mainspring per 1,000 gal of soil media.   |  |   |  |  |
| <b>Chemigation: Other<sup>5</sup></b>   |  |   |  |  |
| <b>Injection ratio</b>  | <b>Fl oz product (ml) per gal of injector tank water</b>                                   |   |  |  |
| 1 to 100  | 12 (355 ml)  |   |  |  |

<sup>1</sup> For crops grown indoors, do not apply more than 32 fl oz (equivalent to 0.4 lb of active ingredient) of product per acre per crop.

<sup>2</sup> Non-bearing fruit and nut trees are those trees that will not bear fruit or nuts for one year after application.

<sup>3</sup> Apply product in sufficient volume of water to wet the potting medium, without the loss of liquid from bottom of container. Follow application with moderate irrigation. Irrigate carefully during the next 10 days in order to avoid loss of active ingredient from the bottom of the container.

<sup>4</sup> Bring a minimum of 10 containers up to a field capacity, let soil media dry, and then bring containers back to field capacity. Multiply the amount of water needed to bring back soil media in container to field capacity by the number of pots to be treated. Add this volume of water to the minimum amount of water needed to flood the area to be treated.

<sup>5</sup> A 1:100 injection ratio (1 part injector tank solution: 100 parts irrigation water) is recommended. Irrigation system should be calibrated to deliver 3–4 fl oz of dilute solution per gallon of soil media.

## STORAGE AND DISPOSAL

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

### Pesticide Storage

Do not subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

### Pesticide Disposal

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### Container Handling

**[Nonrefillable rigid plastic and metal containers equal to or less than 5 gallons]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.



**[Nonrefillable rigid plastic and metal containers greater than 5 gallons]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**[Nonrefillable rigid plastic and metal containers too large to be tipped, rolled or turned upside down]** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

*continued...*

## STORAGE AND DISPOSAL *(continued)*

[For all refillable containers] Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

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For non-emergency information  
(e.g., current product information),  
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