



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460-0001

EPA Reg. Number:

34704-1196

Date of Issuance:

3/10/23

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

LPI.A051

Name and Address of Registrant (include ZIP Code):

Marcia K. Trostle,  
Senior Adviser  
Loveland Products, Inc.  
P.O. Box 1286  
Greeley, CO 80632-1286

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 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review 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:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 34704-1196."

*Continues page 2*

Signature of Approving Official:

*Tamica L. Cain*  
Tamica L. Cain, Product Manager 10  
Invertebrate-Vertebrate Branch 2  
Registration Division (7505T)

Date:

3/10/23

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

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF:

- Basic CSF dated 10/13/22

If you have any questions, please contact Mr. Carmen J. Rodia, Jr. via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

*Enclosure: Master Label Stamped "Accepted," dated 3/10/23*

{Note to Reviewer: Bracketed [text] indicates optional language. (Text) in parenthesis indicates options to be chosen among.}  
 {Note to Reviewer: [Loveland Products, Inc. or alternate accepted brand name and/or logo will appear on the label]}

**ACEPHATE** | **GROUP** | **1B** | **Insecticide**



# LPI.A051

[(Agricultural) (&) (Fire Ant) (Insecticide)]

	% BY WT.
<b>ACTIVE INGREDIENT:</b> Acephate (O,S-Dimethyl acetylphosphoramidothioate) .....	90.0%
<b>OTHER INGREDIENTS:</b> .....	10.0%
<b>TOTAL</b>	<b>100.0%</b>

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

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

EPA Reg. No. 34704-1196

EPA Est. No. \_\_\_\_\_

**NET CONTENTS:** \_\_\_\_\_

<b>FIRST AID</b>	
Contains an organophosphate that inhibits cholinesterase.	
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565</b></p>	
<p><b>NOTE TO PHYSICIAN:</b> Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.</p>	

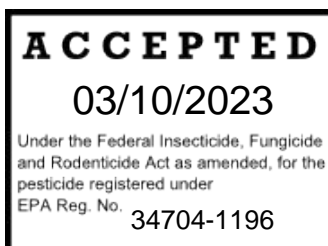
**For help with any spill, leak, fire, exposure involving this product, call day or night, CHEMTREC 1-800-424-9300.**

*{Note to Reviewer: Selection and placement of referral statement will depend on placement of first aid. First Aid may be placed inside booklet.}*

(See product label for additional Precautionary Statements and Directions for Use.)

(For First Aid, Precautionary Statements and Use Directions, see inside booklet.)

(See Inside booklet for additional Precautionary Statements and Use Directions.)



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Mixers, loaders, applicators, and other handlers must wear the following:**

- Long-sleeved shirt and long pants:
- Socks and shoes; and
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride for all mixers and loaders, and for applicators using hand-held application equipment.

**In addition, all mixers and loaders must wear:**

A minimum of a NIOSH approved filtering face piece respirator with any N, R, or P filter (TC-84A). You can also use other NIOSH approved particulate respirators that offer more protection, such as half face or full-face respirator with any filter or a powered air purifying respirator with an HE filter.

**In addition, applicators using low pressure hand wand application equipment must wear the following.:**

A minimum of a NIOSH approved filtering face piece respirator with any N, R, or P filter (TC-84A). You can also use other NIOSH approved particulate respirators that offer more protection, such as half face or full-face respirator with any filter or a powered air purifying respirator with an HE filter

See engineering controls for additional requirements.

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

**ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections 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.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

**The use of human flaggers is prohibited.**

**USER SAFETY RECOMMENDATIONS**

**Users should:**

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

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS**

- Apply this product only as specified by the EPA approved label.
- **DO NOT** apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- **The use of human flaggers is prohibited.**
- This product is NOT for indoor residential use.
- For use on turf, use is limited to sod farms and golf courses, except when applying to mound or spot treatments for fire ant and harvester ant control.
- For use on golf course and sod farm turfgrass, **DO NOT** allow livestock to graze treated areas. **DO NOT** feed treated grass to livestock. Use is limited to sod farms and golf courses, except when applying by mound or spot treatment for fire ant and harvester ant control. Aerial application to turf is prohibited.
- For green house use, use is limited to commercial greenhouses for use on tobacco (floatbed), ornamental, floral, and foliage plants.

- **DO NOT** use low pressure hand wand application equipment except when applying as a fire ant mound treatment or on ornamental trees, shrubs, and floral plants when grown for non-commercial use.
- Use on succulent green beans as a food crop is prohibited (includes string beans, snap beans, and wax beans). Succulent green bean use is permitted ONLY if grown for seed.
- For 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 until restricted-entry interval (REI) of 24 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, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt;
- Chemical-resistant gloves made of any waterproof material; and
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried.

#### CHEMIGATION STATEMENT

Applications to cranberries may be made using sprinkler irrigation systems. Do not apply by chemigation to any other crop, or to cranberries using any other type of irrigation system.

#### TANK MIXES

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

#### SPRAY DRIFT

**DO NOT** apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption.

**DO NOT** allow spray to drift from the application site and contact people, structures people occupy at any time, and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

**For Ground Boom Applications:** Apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use fine, medium, or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

**For Air Blast Applications:** Direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph at the application site as measured by an anemometer outside of the treated area on the upwind side.

**For Aerial Applications:** The boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use fine, medium, or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

For overhead chemigation, apply only when wind speed is 10 mph or less.

The applicator also must use all other measures necessary to control drift.

#### MIXING PROCEDURES

(1) Be sure sprayer is clean and not contaminated with any other materials or crop injury or sprayer clogging may result. (2) Fill tank ¼ full with clean water. (3) Start agitation. (4) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface. (5) Pour product directly from bag into tank. (6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action. (7) Add emulsifiable oil, oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended. (8) Finish filling tank. (9) Empty tank as completely as possible before refilling to prevent buildup of oil or emulsifiable concentrate residue. Maintain agitation to avoid separation of materials. (10) If an oil or emulsifiable concentrate film starts to build up in the tank, drain it and clean with strong detergent solution or solvent. (11) Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

#### PRODUCT INFORMATION

LPI.A051 is a water soluble granular insecticide for control of pests on selected agricultural crops and in certain non-crop areas. The active ingredient in LPI.A051 is acephate, a soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are generally controlled more effectively by LPI.A051 through ingestion than by contact. Application of LPI.A051 to maintain control should be repeated only as directed.

FAILURE TO FOLLOW THE DIRECTION FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.

NOTE: This product is sold by weight and package is full when packed, but due to the product's nature, settling is likely to occur.

When an adjuvant is to be used with this product, Loveland Products, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

**BEANS AND LIMA BEANS – Dry and Succulent Forms (except succulent green beans)**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Fleahoppers Grasshoppers	4.4 to 8.9 oz. (0.25 to 0.5 lb a.i.)	Apply in water at a minimum of 2 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground.
Aphids (excluding Black bean Aphid) Bean Leaf Beetle Bean Leafroller Cabbage Looper Cutworms Green Cloverworm Leafhoppers Mexican Been Beetle Plant Bugs (Lygus) Soybean Looper Thrips Whitefly (Except Sweet potato/Silverleaf Whitefly)	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	Apply when eggs or insects first appear. Repeat at minimum 7-day intervals. For severe insect infestations, use higher listed rates.
Armyworms (excluding Beet Armyworm) Corn Earworm European Corn Borer	13.3 oz. to 17.6 oz. (0.75 to 0.99 lb. a.i.)	

**Use Restrictions:**

- **DO NOT** apply more than 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year.
- Maximum of two applications per year.
- Retreatment interval is 7 days.
- **DO NOT** feed treated vines to livestock.
- Allow 1 day between application and harvest on lima beans (succulent form) and 14 days between application and harvest on snap-beans ( dry beans).
- Use in succulent green beans as a food crop is prohibited (including string beans and wax beans). Use in succulent green beans is permitted only if grown for seed.

**USE RESTRICTIONS FOR SUCCULENT GREEN BEANS GROWN FOR SEED:**

- **DO NOT** feed crop residues to livestock or allow animals to graze treated areas.
- **DO NOT** apply to succulent beans grown for fresh market or processing.
- **No portion of the succulent bean plant may be used or distributed for food or feed purposes.**
- **Seeds grown from succulent beans shall bear a tag or container label which forbids use of the seed for human consumption or animal feed.**
- **Seeds grown from succulent beans may not be distributed for human consumption or animal feed.**

**CELERY**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Green Peach Aphid	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	Apply in water at 50 to 100 gals. spray per acre by ground or in a minimum of 5 gals per acre by air.
Fall Armyworms Cabbage Looper	17.6 oz. (0.99 lb a.i.)	Apply when eggs or insects appear. Repeat at minimum 7-day intervals.

**Use Restrictions:**

- All celery must be trimmed (tops removed) before shipment for use.
- **DO NOT** use trimmed (tops) for food or feed.
- **DO NOT** apply more than 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year.
- Maximum of two applications per year.
- Retreatment interval is 7 days.
- Preharvest interval is 21 days.

**COLE CROPS**  
(Brussels Sprouts and Cauliflower)

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Green Peach Aphid	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	Apply in water at 25 to 150 gals. spray per acre by ground or a minimum of 5 gals. spray per acre by air.
Cabbage Looper Diamondback Moth Larvae Imported Cabbage Worm	17.6 oz. (0.99 lb a.i.)	Use the higher rate when heavy infestations of aphids are present. Begin application when insects or eggs first appear. For applications of 8.9 oz. LPI.A051 or less (0.5 lbs. a.i./acre or less), repeat at 3-day intervals. For applications greater than 8.9 oz. of LPI.A051 (greater than 0.5 lbs. a.i./acre), repeat at minimum 7-day intervals. <b>Diamondback Moth Larvae:</b> This insect has demonstrated an ability to develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current recommended control practices for this insect.
<b>Use Restrictions:</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year.</li> <li>• Maximum of two applications per year.</li> <li>• <b>DO NOT</b> feed trimmings to livestock or allow animals to graze in treated areas.</li> <li>• Preharvest interval is 14 days.</li> </ul>		

**COTTON**

**USE RESTRICTIONS FOR ALL COTTON USES:**

- **DO NOT** feed treated forage or gin trash to livestock.
- **DO NOT** allow animals to graze on treated areas.
- For aerial application on cotton, do not apply more than 17.7 oz of LPI.A051 (1.0 lb. a.i.)/acre in California and Arizona, and 13.3 oz of LPI.A051 (0.75 lb. a.i.)/acre for all other areas of the U.S. per treatment.
- **DO NOT** apply more than 70.4 oz. of LPI.A051 (4 lbs. a.i.) per acre per year. This limitation includes all methods of application, i.e. in-furrow, and foliar.
- Maximum of 4 applications per year.

**COTTON IN-FURROW APPLICATION**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aphids* Thrips Black (Greasy) Cutworm** *Not registered for use in Arizona or California for control of Cotton Aphids. ** Not registered for use in California for control of Black (Greasy) Cutworm.	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)  NOTE: for the Blacklands of Texas use 17.6 oz. per acre LPI.A051	Apply LPI.A051 in 3 to 5 gals. of water per acre as an in-furrow spray. LPI.A051 can be mixed with fungicides that are sprayed in-furrow for disease control. Flat-fan nozzles used for in-furrow application should be set so that the fanned spray pattern is aligned with the row to insure good spray deposition in the seed furrow. Cone type nozzles may not provide a spray pattern that insures maximum spray deposition in the seed furrow, and should be avoided. Spray systems that employ metal or plastic tubing for delivery of spray solution into the seed furrow should have tubing securely fastened to the furrow opener and should be checked frequently to insure that the tubing is properly positioned to deposit spray solution into the seed furrow.
<b>Use Restrictions:</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use treated seed for food/ feed purposes or processed for oil.</li> <li>• No Preharvest Interval.</li> </ul>		

**COTTON FOLIAR APPLICATION**

INSECTS	AMOUNT LPI.A051 PER ACRE		ADDITIONAL USE INSTRUCTIONS
	Ground	Aerial	
Thrips	2.5 to 3.3 oz. (0.14 to 0.19 lb a.i.)	2.5 to 3.3 oz. (0.14 to 0.19 lb a.i.)	<p>Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA and AZ) or 10 to 25 gals. spray per acre by ground.</p> <p>Apply when eggs or insects first appear.</p> <p>Repeat as necessary but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.</p> <p>Repeat at minimum 7 day intervals. <b>Lygus:</b> Use higher listed rate for lygus adults that have migrated into cotton.</p> <p><b>Cotton Aphid:</b> This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control recommendations.</p> <p><b>Armyworms &amp; Cabbage Looper:</b> Apply when eggs appear. Do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.</p> <p><b>Bollworm and Tobacco Budworm:</b> Early season light infestation use 8.9 oz. (0.5 lb a.i.) per acre. Mid and late season moderate to severe infestations use 13.3 oz. to 17.6 oz (0.75 to 0.99 lb a.i.) per acre. Apply when eggs appear. Do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.</p> <p>Adult/Larvae: Moths are controlled when they come in direct contact with spray particles during application. Moth kill is most likely to occur when application is made late in the evenings during periods of peak activity.</p> <p>DEADHATCH: Control of emerging larvae by consumption of treated egg casings.</p> <p><b>Pink Bollworm:</b> Apply when insects appear. Do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.</p>
Plant Bugs (Lygus)	4.4 oz. to 17.6 oz. (0.25 to 0.99 lb a.i.) (East of Rockies)	4.4 oz. to 13.3 oz. (0.25 to 0.75 lb a.i.) (East of Rockies)	
	13.3 oz. to 17.6 oz. 0.75 to 0.99 lb a.i.) (CA & AZ)	13.3 oz. to 17.6 oz. 0.75 to 0.99 lb a.i.) (CA & AZ)	
Fleahopper	4.4 oz. (0.25 lb a.i.)	4.4 oz. (0.25 lb a.i.)	
Cotton Aphid* *Not registered for use in Arizona or California for control of Cotton Aphids.	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	8.9 oz. to 13.3 oz. (0.5 to 0.75 lb a.i.)	
Whitefly (excluding Sweet potato /Silverleaf Whitefly)	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	8.9 oz. to 13.3 oz. (0.5 to 0.75 lb a.i.) (East of Rockies)	
		8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.) (CA & AZ)	
Armyworms (excluding Beet Armyworm) Cabbage Looper	17.6 oz. (0.99 lb a.i.)	13.3 oz. (East of Rockies) (0.75 lb a.i.)	
		17.6 oz. (CA & AZ) (0.99 lb a.i.)	
Bollworm Tobacco Budworm Adults Larvae Eggs (DEADHATCH)	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.) (East of Rockies)	8.9 oz. to 13.3 oz. (0.5 to 0.75 lb a.i.) (East of Rockies)	
	17.6 oz. (0.99 lb a.i.) (CA & AZ)	17.6 oz. (0.99 lb a.i.) (CA & AZ)	
Stinkbugs	13.3 oz. (0.75 lb a.i.)	13.3 oz. (0.75 lb a.i.)	
Pink Bollworm (AZ & CA)	17.6 lbs. (0.99 lb a.i.)	17.6 oz. (0.99 lb a.i.)	
Cutworms	13.3 oz. (0.75 lb a.i.)	13.3 oz. (0.75 lb a.i.)	

**Use Restrictions:**

- Preharvest interval is 21 days.

**COTTON TANK MIXES RESTRICTIONS TO FOLLOW WITH ALL TANK MIX PARTNERS:**

- **DO NOT** feed gin trash or treated forage to livestock.
- **DO NOT** allow livestock to graze on treated areas.
- **DO NOT** apply more than 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year. This limitation includes all methods of application, i.e. in-furrow, and foliar.
- Maximum of 4 applications per year.



Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions, which appear on all product labels. The most restrictive labeling applies when using a tank mix.

**RESISTANCE MANAGEMENT**

Cotton pest control programs, especially those for control of Sweet potato/Silverleaf Whitefly populations, should employ a properly designed resistance-management strategy. Such resistance-management strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

INSECTS	AMOUNT LPI.A051 + TANK MIX PARTNER PER ACRE	ADDITIONAL USE INSTRUCTIONS
Sweet potato /Silverleaf Whitefly	8.9 oz. (0.5 lb a.i.) LPI.A051 + 10.66 to 16 fl. oz. DANITOL® 2.4 EC	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA) or 10 to 25 gals. spray per acre by ground. Comply with all applicable directions, restrictions, and precautions on the EPA registered label for DANITOL® 2.4 EC Spray. Apply when insects first appear or when damage is first noted and repeat application as necessary to maintain control but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.

**Use Restrictions:**

- **DO NOT** apply within 21 days of harvest.
- **DO NOT** exceed maximum application rate of 70.4 oz. of LPI.A051(4.0lb a.i.) per acre per year.

INSECTS	AMOUNT LPI.A051 + TANK MIX PARTNER PER ACRE	ADDITIONAL USE INSTRUCTIONS
Armyworms (excluding Beet Armyworm) Bollworms Cabbage Looper Cotton Aphid Cutworms* Fleahopper Grasshoppers Pink Bollworm Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips Tobacco Budworm Whitefly (excluding Sweet potato/Silverleaf Whitefly)	<p><b>Ground Application:</b> 4.4 oz. to 17.6 oz. LPI.A051 (0.25 to 0.99 lb a.i.) + 1 to 2 pts. CHLORPYRIFOS 4E</p> <p><b>Aerial Application:</b> 4.4 to 13.3 oz. LPI.A051 (0.25 to 0.75 lb a.i.) + 1 to 2 pts CHLORPYRIFOS 4E (East of the Rockies)</p> <p>4.4 oz. to 17.6 oz. LPI.A051 (0.25 to 0.99 lb a.i.) + 1 to 2 pts. CHLORPYRIFOS 4E (CA &amp; AZ)</p>	Comply with all applicable directions, restrictions, and precautions on the EPA registered label for CHLORPYRIFOS 4E. <b>*Cutworms:</b> Use 13.3 oz. (0.75 lb a.i.) per acre of LPI.A051. <b>By Ground:</b> Ground application is recommended. Apply in 10 to 25 gals. of spray per acre. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant. <b>By Air:</b> Aerial applications are less effective, but may be used. Apply in 3 to 10 gals. spray per acre (minimum 5-gals spray per acre in CA). Apply when insects first appear or when damage is first noted and repeat application as necessary to maintain control but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year. Repeat at minimum 7-day intervals.

**Use Restrictions:**

- **DO NOT** apply within 21 days of harvest.
- **DO NOT** exceed maximum application rate of 70.4 oz. (4 lb a.i.) of LPI.A051 per acre per year.

**COTTON TANK MIXES WITH PYRETHROIDS**

Synthetic Pyrethroids should be used within the guidelines of state and/or regional resistance management programs and recommendations.

INSECTS	LPI.A051 AND TANK MIX PARTNER	AMOUNT OF LPI.A051 + TANK MIX PARTNER PER ACRE		ADDITIONAL USE INSTRUCTIONS	
		Ground	Aerial		
Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms Fall Armyworm Fleahoppers Pink Bollworm (AZ & CA) Plant bugs Stink bugs Sweet potato/Silverleaf Whitefly Thrips Tobacco Budworm Whitefly	LPI.A051 + one of the following	8.9 to 13.3 oz. (0.5 to 0.75 lb a.i.) per acre	8.9 to 13.3 oz. (0.8 to 0.75 lb a.i.) per acre	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA) or 10 to 25 gals. spray per acre by ground. Begin applications when eggs or insects appear and apply as needed to maintain control but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year. Repeat at minimum 7 day intervals.- <b>By Ground:</b> Ground application is recommended. Control is most effective when ground applications are made in the evenings and sprays are directed toward the base and lower portion of plant. <b>By Air:</b> Aerial applications are less effective, but may be used. Apply when eggs or insects first appear or damage is first noted. Repeat application as necessary to maintain control but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0 lb a.i.) per acre per year.	
		+ one of the following	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.) per acre (CA & AZ)		+ one of the following
	For Cutworms and Stinkbugs use 13.3 oz. per acre		+		
	one of the following				
	CYPERMETHRIN 2.5 EC	Refer to the CYPERMETHRIN 2.5 EC approved label for use instructions.			
	ASANA® XL	Refer to the ASANA® XL approved label for use instructions.			
	BAYTHROID® 2 EC	Refer to the BAYTHROID® 2 EC approved label for use instructions.			
BIFENTHRIN 2 EC	Refer to the BIFENTHRIN 2 EC approved label for use instructions.				
KARATE® 1 EC or Silencer™ (Except CA)	Refer to the KARATE 1 EC or Silencer approved label for use instructions.				

**Use Restrictions:**

- **DO NOT** apply within 21 days of harvest when using Cypermethrin 2.5EC, Asana XL, Baythroid 2EC, Bifenthrin 2EC, Karate 1EC, and Silencer.
- **DO NOT** exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.

**CRANBERRIES**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	17.6 oz. (0.99 lb a.i.)	Apply in water by air, ground or with sprinkler irrigation systems. Use a minimum of 2 gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprinkler equipment.

**Use Restrictions:**

- **DO NOT** make more than one application per calendar year.
- **DO NOT** apply from start of bloom until all berries set.
- Preharvest interval is 75 days for MA, NJ, WA, and WI; and 90 days for other states.
- **DO NOT** apply more than 17.6 oz. (0.99 lb a.i.) per acre per year. This includes all methods of application.

**SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES:** This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may 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.

**DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

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

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.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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.

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.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Solid Set Systems: Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water. To insure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the lines to mark the end of the application period. See information below.

Center Pivot Systems: Inject the specified dosage per acre continuously for one complete revolution of the system. See information below.

**Important Note:** Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

Application of more than label listed quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

**HEAD LETTUCE – Crisphead type only**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aster Leafhopper Green Peach Aphid	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	Apply in water at 5 to 10 gals. of spray per acre by air or 10 to 60 gals. of spray per acre (broadcast) by ground.
Cabbage Looper Armyworms (excluding Beet Armyworm)	17.6 oz. (0.99 lb a.i.)	Repeat at minimum 7-day intervals. Apply as necessary to maintain desired control but do not exceed maximum application rate of 35.2 oz. of LPI.A051 (2.0 lb a.i.) per acre per year. Applications may be made in spring, summer, and early fall crops in all areas and winter crops in Florida and Texas, late fall crops in Arizona, winter crops in Arizona and California.
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply after first head begins to form to crops that germinate from mid-September through November in desert areas of AZ and CA.</li> <li>• <b>DO NOT</b> feed trimmings to livestock or allow animals to graze on treated areas.</li> <li>• <b>DO NOT</b> apply more than 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year.</li> <li>• <b>DO NOT</b> apply within 21 days of harvest.</li> <li>• <b>DO NOT</b> apply after first head begins to form in crops which germinate mid-September through November in desert areas of AZ and CA.</li> <li>• Maximum of two applications per year.</li> </ul>		

**MINT Spearmint and Peppermint**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Alfalfa Looper Aphids Cutworms Strawberry Root Weevil Adult Black Vine Weevil Adult	17.6 oz. (0.99 lb a.i.)	Apply in water at 5 to 10 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground. Apply when eggs or insects first appear. Make one repeat application, if necessary, to maintain control but do not exceed maximum application rate of 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year. Two applications 10 to 14 days apart may be necessary to reduce heavy infestations. <b>Strawberry Root and Black Vine Weevil:</b> For control, apply in water in a minimum of 40 gals. spray per acre by ground. Good spray coverage and canopy spray penetration is critical for control. Increase spray volume and pressure with tall or dense mint canopy. Apply after adult emergence is complete but prior to egg laying. Apply at dusk or during the night on a warm still evening.
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use spent mint hay for feed for dairy animals.</li> <li>• <b>DO NOT</b> graze treated areas.</li> <li>• <b>DO NOT</b> apply more than 35.2 oz. of LPI.A051 (2.0 lb a.i.) per acre per year.</li> <li>• Maximum of 2 applications per crop season.</li> <li>• Preharvest interval is 14 days.</li> <li>• Retreatment interval is a minimum of 7 days.</li> </ul>		

**NON-BEARING CITRUS**

INSECTS	AMOUNT OF LPI.A051 PER ACRE	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs Thrips Whiteflies (except Sweet potato/Silverleaf Whitefly)	8.9 oz. (0.5 lb a.i.)	Repeat spray application at minimum 7 to 10 day intervals to maintain control.	Apply LPI.A051 in 100 to 200 gals. of water per acre by ground application. Spray individual juvenile or non-bearing trees for coverage with total application not to exceed specified rate in lbs. per acre. Length of residual activity will depend upon spray coverage and the amount of moisture following application.
Citrus Blackfly*	8.9 to 13.3 oz. (0.5 to 0.75 lb a.i.)	Apply when eggs or insects first appear. Use the high rate when a heavy infestation is present. Repeat spray application at 7 to 10 day intervals.	
Ants Fire Ants and Harvester Ants*	Mound Treatment Method: Mix 8.0 oz. (0.45 lb a.i.) in 31.9 gals. of water	Repeat application as necessary to maintain control.	Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound. Use as a mound treatment only: only for use on fire ants and harvester ants.
<p>Use Restrictions:</p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> graze treated areas.</li> <li>• <b>DO NOT</b> harvest citrus for one year (365 days) after treatment.</li> </ul> <p>*Not registered for use in California for control of Citrus Blackfly or Harvester Ants.</p>			

**NON-CROP AREAS**

**FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS**

INSECTS	AMOUNT OF LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	4.4 oz. (0.25 lb a.i.)	For early to mid-season application. Apply in water at 1 to 5 gals. spray per acre by air (minimum 5 gals per acre in CA) or 10 to 20 gals. spray per acre by ground. Use the higher volumes when spraying dense foliage. An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.
<p>Use Restrictions:</p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> graze or feed vegetation cut from treated areas.</li> </ul>		

**WASTELAND (NON-FOOD/NON-FEED PRODUCING AREAS)**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Black Grass Bugs Grasshoppers Mormon Crickets	1.7 to 2.2 oz. (0.1 to 0.12 lb a.i.)	Apply in water at 1/2 gal. spray per acre by air (minimum of 5 gals. per acre in CA) or 10 to 20 gals. spray per acre by ground. Use the higher volumes when spraying dense foliage. An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.
<p>Use Restrictions:</p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> graze or feed vegetation cut from treated areas.</li> <li>• <b>DO NOT</b> make more than one application year.</li> </ul>		

**PEANUTS**

**FOLIAR APPLICATION**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz. (0.25 to 0.5 lb a.i.)	Apply in water at 10 to 50 gals. spray per acre by ground or in 5 to 10 gals. spray per acre by air.
Thrips	6.7 to 13.3 oz. (0.38 to 0.75 lb a.i.)	Begin applications when eggs or insects first appear and repeat as needed to maintain control but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year.
Corn Earworm Fall Armyworm Leafhoppers Loopers Velvetbean Caterpillar	13.3 oz. to 17.6 oz. (0.75 to 0.99 lb a.i.)	For applications of 8.9 oz. LPI.A051 or less (0.5 lbs. a.i./acre or less), repeat at 3 day intervals. For applications greater than 8.9 oz. of LPI.A051 (greater than 0.5 lbs. a.i./acre), repeat at 7 day intervals. LPI.A051 can be tank mixed with at-cracking and early post emergence peanut herbicides, provided those products do not prohibit tank mixes, provided the most restrictive of label limitations and precautions are observed, and provided no label dosage rates are exceeded. To determine physical compatibility, pour the listed proportions of each chemical with the same proportion of water as will be present in the chemical supply tank into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is considered physically compatible. When mixing wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides. Combinations should be kept agitated and should be applied immediately. Do not allow combinations to set for prolonged periods in the chemical supply tank.
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year, this includes the use on peanuts as a foliar spray in addition to the peanut planter box seed treatment use.</li> <li>• <b>DO NOT</b> feed treated forage or hay to livestock or allow animals to graze treated areas.</li> <li>• Preharvest interval is 14 days.</li> <li>• Maximum of 4 applications per year.</li> </ul>		

**PEPPERS**

**BELL PEPPERS**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz. (0.25 to 0.5 lb a.i.)	Apply in water at a minimum of 3 gals. spray per acre (minimum 5 gals. spray per acre in CA) by air or 25 to 150 gals. spray per acre by ground.
Cabbage Looper Green Peach Aphid Tobacco Hornworm	8.9 oz. to 17.6 oz. (0.5 to 0.99 lb a.i.)	Apply when eggs or insects appear. Repeat as necessary until insects have been reduced below economically damaging numbers but do not exceed maximum application rate of 35.2 oz. of LPI.A051 per acre per year.
European Corn Borer	13.3 oz. to 17.6 oz. (0.75 to 0.99 lb a.i.)	Repeat at minimum 7-day intervals.
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 35.2 oz. of LPI.A051 (2.0lb a.i.) per acre per year.</li> <li>• Preharvest interval is 7 days.</li> <li>• Maximum of 2 applications per year.</li> </ul>		

**NON-BELL PEPPERS (Registered for Use in Midwestern States, Eastern States, and Puerto Rico Only)**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aphids	8.9 oz. (0.5 lb a.i.)	Apply in water at 40 to 150 gals. spray per acre with ground equipment. Repeat at a minimum 7-to-10-day interval as necessary but do not exceed maximum application rate of 17.6oz. of LPI.A051 (0.99 lb a.i.) per acre per year.
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 17.6 oz. of LPI.A051 (0.99 lb a.i.) per acre per year.</li> <li>• Preharvest interval is 7 days</li> <li>• Maximum of 2 applications per year.</li> </ul>		

**SOYBEANS**

<b>INSECTS</b>	<b>AMOUNT LPI.A051 PER ACRE</b>	<b>ADDITIONAL USE INSTRUCTIONS</b>
Grasshopper, Thrips	4.5 to 9 oz. (0.25 to 0.51 lb a.i.)	For Foliar Application apply in 5 to 10 gals. spray per acre by air or in 10 to 50 gals. spray per acre by ground. Repeat treatment at minimum 7 day intervals to maintain control, but do not exceed a maximum of 26.6 oz./A (1.5 lbs. ai/A) per season
Potato Leafhopper, Stinkbugs	9 to 17.6 oz. (0.51 to 0.99 lb a.i.)	
Armyworms (except Beet)	13.3 to 17.6 oz. (0.75 to 0.99 lb a.i.)	
Bean leaf beetle Cabbage looper Green cloverworm Mexican bean beetle Soybean aphid Threecornered alfalfa hopper Velvetbean caterpillar		

**Use Restrictions:**

- **DO NOT** graze or cut vines for hay or forage.
- **DO NOT** apply more than 26.6 oz./A (1.5 lbs. ai/A) of LPI.A051 per year.
- Maximum of 3 applications per year.

**TOBACCO (NOT REGISTERED FOR USE IN CALIFORNIA)**

**RESTRICTIONS FOR ALL APPLICATIONS ON TOBACCO:**

- Do not apply more than 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year, this includes the use in transplant water, plant bed soil, floatbed (greenhouse), and foliar application.

**GREENHOUSE TOBACCO FLOATBED APPLICATIONS (Not Registered for Use in California)**

<b>INSECTS</b>	<b>AMOUNT LPI.A051 PER ACRE</b>	<b>ADDITIONAL USE INSTRUCTIONS</b>
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	13.3 oz. (0.75 lb a.i.)	Apply to foliage at the equivalent of 1 tablespoon in 3 gal. of water per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage. Dispose of Floatbed water in the transplant field through the transplant water or through foliar spray.

**Use Restrictions:**

- Minimum application interval is 7 days.
- Preharvest interval is 3 days
- Maximum of 5 applications per year.

**TOBACCO PLANT BED APPLICATIONS (Not Registered for Use in California)**

<b>INSECTS</b>	<b>AMOUNT LPI.A051 PER ACRE</b>	<b>ADDITIONAL USE INSTRUCTIONS</b>
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	13.3 oz. (0.75 lb a.i.)	Apply to foliage at the equivalent of 1 tablespoon in 1 gal. of water per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage.

**Use Restrictions:**

- Observe a minimum application interval of 0 days.
- Preharvest interval is 0 days
- Maximum of 5 applications per year.

**TOBACCO TRANSPLANT WATER APPLICATION (Not Registered for Use in California)**

Transplant water applications should be made using mechanical transplant equipment only. Using such equipment, the insecticide/water mixture is mechanically applied directly into the soil along with the transplanted plants.

<b>INSECTS</b>	<b>AMOUNT LPI.A051 PER ACRE</b>	<b>ADDITIONAL USE INSTRUCTIONS</b>
Cutworms Flea Beetle Green Peach Aphid Potato Tuberworm Tobacco Aphid Tobacco Thrips	13.3 oz. (0.75 lb a.i.)	Provides control for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of LPI.A051. Apply in a minimum of 100 gals. of transplant water per acre. Do not apply more than 13.3 oz. of LPI.A051 (0.75 lb a.i.) per acre as a transplant-water application as some phytotoxicity may occur.

**Use Restrictions:**

- **DO NOT** apply more than 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year, this includes the use in transplant water, plant bed soil, floatbed (greenhouse), and foliar application.
- Maximum of 5 applications per year.

**TOBACCO FOLIAR APPLICATION (Not Registered for Use in California)**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz. (0.25 to 0.5 lb a.i.)	Apply in 10 to 50 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air. Apply on a 7 day schedule or as needed but do not exceed maximum application rate of 70.4 oz. of LPI.A051 (4.0lb a.i.) per acre per year. Repeat at minimum 7 day intervals.
Flea Beetle Green Peach Aphid Tobacco Hornworm Tobacco Thrips	8.9 oz. (0.5 lb a.i.)	
Stinkbugs Tobacco Aphid Vegetable Weevils	8.9 to 13.3 oz. (0.5 to 0.75 lb a.i.)	
Budworm Cabbage Looper Cutworm Japanese Beetle	13.3 oz. (0.75 lb a.i.)	
<b>Use Restrictions:</b>		
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 70.4 oz. of LPI.A051 (4lb a.i.) per acre per year.</li> <li>• Preharvest interval is 3 days.</li> <li>• Retreatment interval is 7 days.</li> </ul>		

**TOBACCO SOIL MOUND APPLICATION (Not Registered for Use in California)**

INSECTS	AMOUNT LPI.A051 PER ACRE	ADDITIONAL USE INSTRUCTIONS
Ants Fire Ants and Harvester Ants Only	Mix 5.3 oz. (0.3 lb a.i.) in 31.9 gals. of water.	Mound Treatment Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound. For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.
<b>Use Restrictions:</b>		
<ul style="list-style-type: none"> <li>• Treat maximum of 13 mounds per acre.</li> <li>• <b>DO NOT</b> treat more than once per year.</li> <li>• Use as a mound treatment only: only for use on fire ants and harvester ants.</li> <li>• Preharvest interval is 3 days</li> </ul>		

**SPECIALITY USES**

**NON CROP AREAS (FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS)**

INSECTS	AMOUNT LPI.A051 PER ACRE SPRAY PER ACRE	ADDITIONAL USE INSTRUCTIONS
Ants Fire Ants and Harvester Ants*	Mix 5.3 oz. (0.3 lb a.i.) in 31.9 gals. of water.	Mound Treatment Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound. For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated area may be injured.
<b>Use Restrictions:</b>		
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> treat mound more than once per year.</li> <li>• Use as a mound treatment only</li> <li>• Only for use on fire ants and harvester ants*.</li> <li>• <b>DO NOT</b> graze animals.</li> <li>• <b>DO NOT</b> feed treated grass/hay to dairy animals.</li> <li>• <b>DO NOT</b> apply if lactating dairy cattle are present.</li> <li>• Meat animals should be removed from treated areas at least 1 day before slaughter if they were present at application or grazed treated areas within 21 days of application.</li> <li>• *Not registered for use in California for control of Harvester Ants.</li> </ul>		

**CONTAINER GROWN NURSERY STOCK**

PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil	13.3 oz. (0.75 lb a.i.)	Application should be made by of mid-September for greenhouse stock and by mid-October for outdoor stock. Consult your local county extension agent for information on the identification and control of root weevils on ornamentals.	Apply the specified amount LPI.A051 per 100 gals. of solution so as to thoroughly drench the root system.
	Ants (excluding fire, harvester, carpenter, and pharaoh ants)	13.3 oz. (0.75 lb a.i.)	Apply as needed to control the pest.	

**Use Restrictions:**

- Make repeat applications at 3 day intervals for application rates at 8.9 oz. (0.5 lb a.i.) or less and at 7 day intervals for application rates greater than 8.9 oz (0.5 lb a.i.).
- **DO NOT** apply with low pressure hand wand.

**ORNAMENTAL TREES AND SHRUBS**

PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Trees and Shrubs (except Flowering Crabapple see below)	Aphids Bagworms Birch Leafminer Tent Caterpillar* Lace Bugs Leafrollers	4.4 oz. (0.25 lb a.i.)	As the insects begin to appear.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae. * Mist blower application. Adjust rates to 17.6 oz. (0.99 lb a.i.) per 100 gals. water for Gypsy Moth control and 13.3 oz. (0.75 lb a.i.) per 100 gals. water for Tent Caterpillar control.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae* Webworms	8.9 oz. (0.5 lb a.i.)	As the insects begin to appear.	
	Scales (Crawlers)	8.9 oz. (0.5 lb a.i.)	As crawlers begin to appear. Repeat applications at a 2 week or more interval. May be necessary where there is continuous crawler production.	
	Ponderosa Pine Needle Miner	8.9 oz. (0.5 lb a.i.)	Time of application is important. Consult your Farm advisor or County Extension Agent.	
	Grasshoppers	8.9 oz. (0.5 lb a.i.)	As the grasshoppers begin to appear.	
	California Oakworm Cankerworms (Spring and Fall)	4.4 to 8.9 oz. (0.25 to 0.5 lb a.i.)	As the insects begin to appear. Use the higher amount when the larger larvae are present.	



PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
	Nantucket Pine Tip Moth Larvae	13.3 oz. (0.75 lb a.i.)	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.	
	Root Weevil Adults	13.3 oz. (0.75 lb a.i.)	Apply when first feeding damage occurs. Repeat applications at 4 week intervals until the first heavy frost, may be necessary for complete foliage protection.	
	Box Elder Bugs Sawflies Budworms Leafhoppers	13.3 oz. (0.75 lb a.i.)	As the insects begin to appear.	
	Japanese Beetle	17.7 oz. (1 lb a.i.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	
	Elm Leaf Beetle (larvae)	17.7 oz. (1 lb a.i.)	As the larvae begin to appear. LPI.A051 will not prevent Elm Leaf Beetle eggs from hatching.	
Douglas Fir Christmas Trees	Douglas Fir Needle Midge	8.9 oz. (0.5 lb a.i.)	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information, consult your county extension service.	Apply the specified amount of LPI.A051 in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground. Restriction Do not make more than one application per season.
Flowering Crabapples	Aphids Tent Caterpillars Leafrollers	4.4 oz. (0.25 lb a.i.)	As the insects begin to appear. Restriction Do not apply more often than 3 times in a growing season at a 4 week interval.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer.

PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Crepe Myrtle	Aphids	5.3 oz. (0.3 lb a.i.) in 6 to 8 Tbsp. of water	As aphids begin to appear.	Phytotoxicity has occurred on the following Crabapple varieties: Hops, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud. Make a paint-on slurry by mixing the specified amount of LPI.A051 with 6 to 8 tablespoons of water. Remove the loose bark from the trunk areas to be treated. Completely paint a band around each trunk to a width twice its diameter. Application should be make to trunks within a zone 6 to 12 inches above the ground and below the point where branching begins. For multi-trunk plants, be certain to treat all trunks. For either single or multi-trunk plants, application should be made as low as possible within the recommended treatment zone.

**USE RESTRICTIONS FOR ALL ORNAMENTAL TREES AND SHRUBS:**

- **DO NOT** apply to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and *Viburnum suspensum*.
- Nursery Crops: Before treating large plantings, spray only a few plants and observe two weeks for phytotoxicity.
- Apply at a minimum of 2 week intervals unless otherwise indicated.
- **DO NOT** apply with low pressure hand wand.

**GOLF COURSE AND SOD FARM TURFGRASS**

INSECTS	AMOUNT LPI.A051 PER 1,000 SQ. FT.		TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
	Golf Course	Sod Farm Turfgrass		
Fall Armyworm Yellow Striped Armyworm Southern Armyworm	0.4 to 1.0 oz. (0.02 to 0.06 lb a.i.) 17.6 to 43.2 oz. (0.99 to 2.43 lb a.i.) per acre	0.4 to 1.0 oz. (0.02 to 0.06 lb a.i.)(17.6 to 43.2 oz. (0.99 to 2.43 lb a.i.) per acre	As the insects appear. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of LPI.A051 per 1,000 sq. ft. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.
Cutworm	1.0 to 1.6 oz. (0.06 to 0.09 lb a.i.) 43.2 to 68.8 oz. (2.43 to 3.87 lb a.i.) per acre	1.0 to 1.2 oz. (0.06 to 0.07 lb a.i.) 43.2 to 51.2 oz. (2.43 to 2.88 lb a.i.) per acre		
Chinch bugs	1.0 to 1.6 oz. (0.06 to 0.09 lb a.i.) 43.2 to 68.8 oz. (2.43 to 3.87 lb a.i.) per acre	1.0 to 1.2 oz. (0.06 to 0.07 lb a.i.) 43.2 to 51.2 oz. (2.43 to 2.88 lb a.i.) per acre	Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of LPI.A051 per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.
Sod Webworm (Crambus spp.)	0.4 to 0.8 oz. (0.02 to 0.04 lb a.i.) 17.6 to 36.8 oz. (0.99 to 2.07 lb a.i.) per acre	0.4 to 0.8 oz. (0.02 to 0.04 lb a.i.) 17.6 to 36.8 oz. (0.99 to 2.07 lb a.i.) per acre	As sod webworms begin to appear. Use the higher amount when quick knockdown is needed or with heavy infestations. Repeat application at 7 to 14 day intervals as needed.	
Leafhopper	0.8 oz. (0.04 lb a.i.) 36.8 oz. (2.07 lb a.i.) per acre	0.8 oz. (0.04 lb a.i.) 36.8 oz. (2.07 lb a.i.) per acre	As the leafhoppers begin to appear. Repeat application at 7 to 14 day intervals as needed.	
Mole Crickets (Except CA) Spittlebug (Except CA)	0.8 to 1.6 oz. (0.04 to 0.09 lb a.i.) 36.8 to 68.8 oz. (2.07 to 3.87 lb a.i.) per acre	0.8 to 1.2 oz. (0.04 to 0.07 lb a.i.) 36.8 to 51.2 oz. (2.07 to 2.88 lb a.i.) per acre	As mole crickets begin to appear. For knockdown of existing populations, repeat application at 7 to 14 day intervals as needed. For heavy infestations, use the higher dosage rate.	

The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus provide increased mole cricket contact with the acephate. The following lemon-scented products have been shown to be effective flushing agents: Lemon Joy, Lemon Palmolive, and Mighty Myrt Products Manufacture- Base pure lemon fragrance. The use rate for these lemon-scented products is 2 teaspoons per gallon of water for small total mix volume or 6 fl. oz per 50 gals. of water for large mix volume.

Greenbug ( <i>Schizaphis graminum</i> ) Grasshoppers	0.4 oz. (0.02 lb a.i.) 17.6 oz. (0.99 lb a.i.) per acre	0.4 oz. (0.02 lb a.i.) 17.6 oz. (0.99 lb a.i.) per acre	Apply when insects or their damage first appears. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of LPI.A051. Use 4 gals. of water per 1,000 sq. ft. to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
Black Turfgrass <i>Ataenius</i> (Except CA)	1.3 to 1.6 oz. (0.07 to 0.09 lb a.i.) 54.4 to 68.8 oz. (3.06 to 3.87 lb a.i.) per acre	1.2 oz. (0.07 lb a.i.) 51.2 oz. (2.88 lb a.i.) per acre	Apply when insects or their damage first appear. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of LPI.A051 per 1,000 sq. ft. Use a minimum of 5 gallons water per 1,000 sq ft. Irrigate lightly after application (not more than 1/2 inch). Use the higher listed rate for severe infestations.

**Dichondra**

(Plant Site for Golf Course and Sod Farm Turfgrass)

Cutworm	0.8 to 1.6 oz. (0.04 to 0.09 lb a.i.)	0.8 to 1.2 oz. (0.04 to 0.07 lb a.i.)	As the insects appear. Repeat application at minimum 7 to 14 day intervals as needed.	Apply the specified amount of LPI.A051 per 1,000 sq. ft. Use a minimum of 15 gals. of water per 1,000 sq. ft. to obtain good coverage.
Flea Beetle				
Southern Armyworm	36.8 to 68.8 oz. (2.07 to 3.87 lb a.i.)	36.8 to 51.2. (2.07 to 2.88 lb a.i.) per acre		
Yellow Striped Armyworm				

**Use Restrictions:**

- Aerial applications are prohibited.
- **DO NOT** allow livestock to graze.
- **DO NOT** feed treated grass to livestock.
- Maximum Application Rate for Sod/ Turf: 53.5 oz. (3 lbs. ai/A).
- Maximum Application Rate for Golf Course Turf: 70.4 oz. (4 lbs ai/A).
- Preharvest interval is 3 days.

**MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS**

PLANT	INSECTS	AMOUNT LPI.A051	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Turfgrass Residential, Recreational and Commercial Turf	Fire Ants and Harvester Ants*	Mix 5.3 oz. (0.3 lb a.i.) in 31.9 gals. of water.	For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.	Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound. Apply the specified amount of LPI.A051 as directed. Grass in treated area may be injured.

**Use Restrictions:**

- Use as a mound treatment only.
- Only for use on fire ants and harvest ants.
- \*Not registered for use in California for control of Harvester Ants.
- **DO NOT** treat mound more than once per season.
- Preharvest interval is 3 days
- **DO NOT** allow livestock to graze.
- **DO NOT** feed treated grass to livestock.

**OUTDOOR AND PERIMETER SPRAY EXCLUDING RESIDENTIAL TURF**

LOCATION	INSECTS	AMOUNT LPI.A051 PER GALLON	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Outdoor and perimeter area excluding residential turf	Wasps	1.3 oz. (0.07 lb a.i.)	Treat early or late in the day as wasps are generally less active during these times.	Apply the specified amount of LPI.A051 per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Ants (excluding fire, harvester, carpenter, and pharaoh ants) Crickets Cockroaches Earwigs Pill bugs	1.3 oz. (0.07 lb a.i.)	As the insects appear.	Apply specified amount of LPI.A051 per each gallon of water used. Apply to a band of soil 6 to 10 feet adjacent to the structure and to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Also apply as a residual spray or with a paint brush to surfaces of buildings, window frames, shutters, entryways, screens, eaves, patios, garages, carports, around garbage areas and other areas where these pests congregate.

**Use Restrictions:**

- **DO NOT** allow livestock to graze.
- **DO NOT** feed treated grass to livestock.
- **DO NOT** apply with low pressure hand wand.

**OUTDOOR FLORAL CROPS AND GROUND COVERS**

PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Chrysanthemums Daisies Dahlias Easter Lily Gladioli Gyposophila Pachysandra Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	8.9 oz. (0.5 lb a.i.)	As insects begin to appear. Repeat applications at 2 week intervals may be necessary.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.
Boston Ivy	Japanese Beetles	17.7 oz. (1 lb a.i.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	
Roses	Japanese Beetles	12.3 oz. (0.69 lb a.i.)		

**Use Restrictions:**

- If flowers are to be cut, do not apply more than 13.3 oz./ LPI.A051 (0.75 lbs ai/100 gallons) per 100 gals. For all other ornamentals, application rates must not exceed 17.6 oz./acre LPI.A051 (0.99 lb a.i.) per 100 gals.
- **DO NOT** apply with low pressure hand wand.

**COMMERCIAL GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS**

PLANTS	INSECTS	AMOUNT LPI.A051 PER ACRE PER 100 GALS.	TIME OF APPLICATION	ADDITIONAL USE INSTRUCTIONS
Roses	Leafrollers	8.9 to 12.3 oz. (0.5 to 0.69 lb a.i.)	As leafrollers begin to appear. Use the higher amount when large larvae are present.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer as a full coverage spray.
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Aphids	4.4 oz. (0.25 lb a.i.)	As aphids begin to appear.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage. Caution: Phytotoxicity has occurred on the following foliage plants: <i>Blechnum gibbum</i> , <i>Cissus antarctica</i> , <i>Ficus triangularis</i> , <i>Fittonia verschaffeltii</i> , <i>Maranta leuconeura kerchoveana</i> , <i>Plectranthus lutes</i> , <i>Plectranthus australis</i> , <i>Polypodium aureus</i> , <i>Polystichum</i> , <i>Pteris ensiformis</i> , <i>Tolmiea menziesii</i> . Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity. Application of LPI.A051 on Poinsettias after bract formation may result in phytotoxicity on certain varieties.
	Mealybugs Thrips Whiteflies	8.9 oz. (0.5 lb a.i.)	As the insects begin to appear. A repeat application at a 2 week interval may be necessary for control of mealybugs and whiteflies.	
	Scales (Crawlers)	8.9 oz. (0.5 lb a.i.)	As crawlers begin to appear. Repeat applications at a 2 week or more interval may be necessary where there is continuous crawler production.	
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Sweet potato/ Silverleaf Whiteflies (Except CA)	8.9 oz. (0.5 lb a.i.) plus TAME® 2.4 EC Spray at 10.66 fl. oz.	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow 5 to 7 days later with TAME alone at 16 fl. oz./100gal. See TAME label for instructions.	For Sweet potato/ Silverleaf whitefly control, apply the specified amount of LPI.A051 plus TAME® 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage. Follow the TAME® label for specific instructions on the alternation of TAME® plus LPI.A051 and TAME® alone and the rotation instruction to avoid potential resistance.
Roses Carnations Chrysanthemums	Aphids Thrips	8.9 oz. (0.5 lb a.i.)	As aphids begin to appear. As thrips begin to appear or at the tight flower bud stage. Repeat applications may be necessary.	Apply the specified amount of LPI.A051 in 100 gals. water with a hydraulic sprayer as a full coverage spray. Application to Chrysanthemums and Roses with open flowers may result in flower damage. Caution: Phytotoxicity has occurred on the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gent, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward Ho, and Wild Honey. Before treating large Chrysanthemum plantings, spray only a few plants and observe two weeks for varietal phytotoxicity.

**Use Restrictions:**

- Applications cannot be made more than once every 28 days to Carnations and Chrysanthemums.
- **DO NOT** apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
- If flowers are to be cut, do not apply more than 13.3 oz./ LPI.A051 (0.75 lbs ai/100 gallons) per 100 gals. For all other ornamentals, application rates must not exceed 17.6 oz./acre LPI.A051 (0.99 lb a.i.)per 100 galls.
- Retreatment interval is 5 days.
- **DO NOT** apply with low pressure hand wand.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE:

Keep this product in a tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. **DO NOT** contaminate other pesticides, fertilizers, water, food and feed by storage and disposal.

**DO NOT** store above 100°F for extended periods of time. Storage below 20°F can result in formation of crystals. If product crystallizes, store at 50°F to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

### PESTICIDE DISPOSAL:

Open dumping is prohibited. Pesticide wastes are toxic. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

#### NONREFILLABLE CONTAINERS:

**Non-refillable Container (flexible-bag-all weights): Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.**

**Rigid, Nonrefillable containers small enough to shake (i.e., with capacities equal to less than five gallons or 50 lbs).**

Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse or pressure 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 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 or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.

#### REFILLABLE CONTAINERS:

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 refiller.

**Rigid, Nonrefillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs).**

Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse or pressure 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. Offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.

#### REFILLING OR RETURNING CONTAINERS:

If refilling or returning container is planned, end users are not authorized to remove tamper evident cables, one way valves or clean container.

## RECYCLE OR DISPOSAL OF CONTAINERS:

End users are authorized to remove tamper evident cable as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. Instructions for container rinsing and either recycling or disposal are as follows:

### **Bottom Discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable).**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

### **Top Discharge IBC, Drums, Kegs (e.g., Snyder 120 Next Gen, Bonar B120, Drums and Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the 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. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. To the extent consistent with applicable law, the buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. 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 when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW, BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS CLAIM TO THE FOLLOWING ADDRESS:

LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, P.O. BOX 1286, GREELEY, CO 80632-1286.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

*{Note to Reviewer: the "formulated for" statement may appear here or elsewhere on the label. It may appear more than one time; but, will always appear at least 1 time.}*

FORMULATED FOR

LOVELAND PRODUCTS, INC.

P.O. BOX 1286, GREELEY, COLORADO

80632-1286

ASANA® -- Reg. TM of Valent USA for esfenvalerate insecticide.

BAYTHROID® -- Reg. TM of Bayer Crop Protection for cyfluthrin synthetic pyrethroid.

DANITOL® -- Reg. TM of Valent USA Corporation for fenpropathrin insecticide-miticide.

KARATE® -- Reg. TM of Syngenta Crop Protection, Inc. for lambdacyhalothrin insecticide.

SILENCER® -- Reg. TM of ADAMA an ADAMA Group Company

TAME® -- Reg. TM of Valent USA Corporation for fenpropathrin insecticide.

{Label ID: New 34704-RROA (1196) October 2022- New}