

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

November 22, 2017

Mr. Solito A. Sumulong Manager of Registrations Loveland Products, Inc. P.O. Box 1286 Greeley, CO 60632

Subject: Label Amendment – Revisions to Mixing and Loading Language

Product Name: Acephate 75 WSP Insecticide

EPA Registration Number: 34704-863 Application Date: May 10, 2017

Decision Number: 536026

Dear Mr. Sumulong:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 the Federal Insecticide Fungicide and Rodenticide Act 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) list 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.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Mr. Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at <u>Rodia.Carmen@epa.gov</u>.

Sincerely,

Richard Gebken

Product Manager 10

Invertebrate & Vertebrate Branch 2

Registration Division (7505P)

Office of Pesticide Programs

Enclosure: Stamped "Accepted" Master Label, dated November 22, 2017

Acephate 75 WSP Insecticide

INSECTICIDE IN A WATER-SOLUBLE BAG

ACTIVE INGREDIENT:

By Wt. Acephate (O,S-Dimethyl acetylphosphoramidothioate)......75% TOTAL 100%

ACCEPTED

11/22/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-863

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below for Additional Precautionary Statements

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product, including health concerns, medical emergencies, or pesticide incidents, you may call 1-866-944-8565, 24 hours per day, 7 days per week. **Note to Physician:** This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

> **EPA REG. NO. 34704-863** EPA EST. NO. 34704-MS-001 **Net Weight 5.0 LB (2.26 KG)**

04/17

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling. Do not allow children or pets to come into contact with treated areas until sprays have dried.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Socks and shoes,
 - Chemical-resistant gloves, such as barrier laminate or butyl rubber ≥14 mils or nitrile rubber ≥14 mils or neoprene rubber ≥14 mils or natural rubber ≥14 mils or polyethylene or polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils, for all mixers and loaders and for applicators using hand held application equipment.

In an emergency, such as a broken package, spill or equipment breakdown, provide, make available, and use the following additional **PPE**:

- Coveralls,
- Chemical-resistant footwear and a NIOSH-approved dust filtering respirator with MSHA/NIOSH approval number prefix TC-21C *or* a NIOSH-approved respirator with any N, R, P, or HE filter.

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. See engineering controls for additional requirements.

Engineering Controls Statement

Water-soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mils or nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils or natural rubber ≥ 14 mils or polyethylene or polyvinyl chloride (PVC) ≥ 14 mils or Viton ≥ 14 mils. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for **mixers**, **loaders**, **applicators and other handlers...** and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

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. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product is highly toxic to bees exposed to treatment and 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.

DIRECTIONS FOR USE

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

Read Entire Label. Use Strictly in Accordance with Precautionary Statements and Directions, and with Applicable State and Federal Regulations.

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

Failure to Follow the Directions for Use and Precautions on this Label may Result in Poor Insect Control, Crop Injury, and/or Illegal Residues.

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.

Not for indoor residential use.

Equipment Restrictions: Do not apply using low pressure handwand equipment.

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

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 instruction and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber ≥14 mils or nitrile rubber ≥14 mils or neoprene rubber ≥14 mils or natural rubber ≥14 mils or polyethylene or polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils, 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.

TANK MIXES

Notice: Tank mixing of this product with any other product which is not specifically and expressly authorized by the label shall be at the exclusive risk of the user, applicator, and/or application advisor. Read and follow the entire label of each product to be used in the tank mix with this product.

Tank Mixing:

- This product may be tank mixed with registered cotton herbicides under the following conditions:
 - o The tank mix partners do not prohibit tank mixes;
 - o The most restrictive of label limitations and precautions are observed; and,
 - No label dosage rates are exceeded.
- To determine physical compatibility of potential tank-mix partners with Acephate 75 WSP:
 - 1. In a pesticide-safe container, pour the specified proportions of each chemical with the same proportion of water as will be present in the chemical supply tank. NOTE: When mixing wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides.
 - 2. Mix thoroughly and allow to stand for five minutes.
 - 3. If the combination remains mixed, or can be readily remixed, the mixture is considered physically compatible.

INSTRUCTIONS FOR USING WATER SOLUBLE PACKAGES DIRECTLY INTO SPRAY TANKS:

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to

help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

- 1. Mix in spray tank only.
- 2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
- 3. Keep the WSP(s) in outer packaging until just before use.
- 4. Keep the WSP dry prior to adding to the spray tank.
- 5. Handle with dry gloves and according to the label instructions for PPE.
- 6. Keep WSP intact. Do not cut or puncture WSP.
- 7. Reseal the WSP outer packaging to protect any unused WSP(s).

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

- 1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
- 2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
- 3. Stop adding water and stop any agitation.
- 4. Place intact/unopened WSP(s) into the tank.
- 5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
- 6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
- 7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
- 8. Stop agitation before tank lid is opened.
- 9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
- 10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
- 11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
- 12. Use the spray solution when mixing is complete.
- 13. Maintain agitation of the diluted pesticide mix during transport and application.
- 14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

CHEMIGATION

Apply to Cranberries only by sprinkler irrigation systems. Do not apply this product through chemigation to any other crop, or do not use any other type of irrigation system.

Spray Drift Management

A variety of factors including weather conditions, (e.g., wind direction. wind speed, temperature, relative humidity) and method of application (e.g., ground aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

- All aerial, ground and air-assisted/airblast application equipment must be properly maintained and calibrated using water as carrier. Do not apply this product as an ultralow volume (ULV) spray except as specified in the instructions for use on wasteland (non-crop areas), or in any carrier other than water.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible. and by avoiding excessive spray boom pressure.
- Do not apply at wind speeds greater than 10 mph at the application site.
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage.
- For aerial applications, do not apply at heights greater than 10 feet (consistent with flight safety).
- For airblast applications, direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum boom length should be used and must not exceed 75% of wing span or rotor diameter.
- For ground applications, do not apply at heights greater than 4 feet.

TABLES OF EOUIVALENTS

Amount of Acephate 75 WSP	1.33 lb	1.0 lb	0.66 lb	0.33 lb	4.0 oz	2.0 oz
Amount Active Contained	1.0 lb	0.75 lb	0.50 lb	0.25 lb	0.20 lb	0.10 lb

USE INFORMATION

This product is an insecticide for control of pests on selected agricultural crops and in certain non-crop (field borders, fencerows, roadsides, ditchbanks, borrow pits) areas. The active ingredient in this product is acephate, a water-soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are general controlled more effectively by this product through ingestion than by contact. Apply only as directed.

USE DIRECTIONS

BEANS AND LIMA BEANS—DRY AND SUCCULENT FORMS

Table 1. Beans and Lima Beans—Dry and Succulent Forms Excluding Succulent Green Beans

Application Method	Pests Controlled	Rates of Acephate 75 WSP/Acre	Use Instructions	Days to Harvest
Foliar	Fleahoppers	0.33 to	Apply when eggs or insects first appear.	14 (dry
	Grasshoppers	0.66 lb	Repeat at 3- to 10-day spray intervals as	beans)

By Ground:	Aphids	0.66 to	necessary to maintain control. *	
20.0 to 100	(excluding Black	1.33 lb	Use higher rates for severe insect	1 (lima
gal/A of	bean aphid)		infestations.	beans-
spray	Bean leaf beetle		Use on succulent green beans as a food crop	succulent
By Air:	Bean leafroller		is prohibited (includes string beans, snap	form)
Minimum of	Cabbage looper		beans, and wax beans).	
2.0 gal/A	Cutworms			
spray	Green		RESTRICTIONS FOR SUCCULENT GREEN	
	cloverworm		BEANS GROWN FOR SEED	
	Leafhoppers		Do not feed crop residues to livestock or	
	Mexican bean		allow animals to graze treated areas. Do not	
	beetle		apply to succulent beans grown for fresh	
	Plantbugs		market or processing. No portion of the	
	(Lygus)		succulent bean plant may be used or	
	Soybean looper		distributed for food or feed purposes. Seeds	
	Thrips		grown from succulent beans shall bear a tag	
	Whitefly (except		or container label which forbids use of the	
	Sweet potato or		seed for human consumption or animal	
	Silverleaf		feed. Seeds grown from succulent beans	
	whitefly)		may not be distributed for human	
	Armyworms	1.0 to 1.33	consumption or animal feed.	
	(excluding Beet	lb		
	armyworm)			
	Corn earworm			
	European corn			
	borer			

Use Restrictions: Do not feed treated vines to livestock. *Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre. *Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season.

CELERY

Table 2. Celery

Application Method	Pests Controlled	Rates of Acephate 75 WSP/Acre	Use Instructions	Days to Harvest
Foliar By Ground: 50.0	Green peach aphid	0.66 to 1.33 lb	Apply when eggs or insects first appear. Repeat at 7- to 10-day spray	21
to 100 gal/A of	Cabbage	1.33 lb	intervals as necessary to maintain	
spray	looper		control. *	
By Air: Minimum	Fall			
of 5.0 gal/A spray	Armyworms			

Use Restrictions: *Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre. All celery must be trimmed (tops removed) before shipment for use. Do

not use trimmed tops for food or feed.

COLE CROPS

Brussel Sprouts & Cauliflower

Table 3. Cole Crops—Brussels Sprouts & Cauliflower

Application Method	Pests Controlled	Rates of Acephate 75 WSP/Acre	Use Instructions	Days to Harvest
Foliar By Ground: 25.0 to 150 gal/A of spray By Air: Minimum of 5.0 gal/A of spray	Green peach aphid Cabbage looper Diamondback moth larvae Imported cabbage worm	0.66 to 1.33 lb 1.33 lb	Use the high rate when heavy infestations of aphids are present. Apply when eggs or insects first appear. Repeat application as necessary to maintain control. * Diamondback moth larvae- This insect has demonstrated an ability to develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current recommended control for this insect.	14

Use Restrictions: *Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season to Brussels sprouts and Cauliflower. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre. Do not feed trimmings to livestock or allow animals to graze in treated areas.

COTTON

Table 4. Cotton

Application	Pests Controlled	Rates of	Use Instructions	Days to
Method		Acephate 75		Harvest
		WSP/Acre		
In Furrow (At-	Aphids *	0.66 to 1.33	Use flat-fan nozzles for in-furrow	
planting)	Black (Greasy)	lb	application. Align nozzles to ensure	
By Ground: 3.0	cutworm (except		good spray deposition into the seed	
to 5.0 gal/A of	CA)	Note: For the	furrow. Cone type nozzles are not	
spray	Thrips (including	Blacklands of	recommended since unacceptable	
	Western flower	TX use 1.33	spray deposition may occur. Securely	
	thrips)	lb/A Acephate	fasten spray-system tubing to furrow	
	* excluding Cotton	75 WSP	opener and check frequently to ensure	
	aphids in AZ & CA		proper positioning and operation. This	
			product can be mixed with fungicides	
			that are sprayed in-furrow for disease	
			control.	
Foliar	Thrips (including	0.33 lb	Apply when eggs or insects first appear.	21
By Ground: 10.0	Western flower		Repeat application as necessary to	

to 25.0 gal/A of	thrips)		maintain control. **	
spray	Plantbugs (Lygus)	0.33 to 1.33	Apply when eggs or insects first appear.	
By Air: 3.0 to	Tiditibugs (Lygus)	lb	Use highest rate for Lygus adults that	
10.0 gal/A of		10	have migrated into cotton.	
spray (minimum		1.0 to 1.33 lb	Repeat application as necessary to	
of 5.0 gal/A in AZ		(AZ & CA)	maintain control. **	
& CA)	Fleahopper	0.33 lb	Apply when eggs or insects first appear.	
Aerial application	Cotton aphids	0.66 to 1.33	Repeat application as necessary to	
is limited to 1.0 lb	(excluding AZ and	lb	maintain control. **	
AI/A for use in CA	CA)	10	This insect has demonstrated an	
& AZ and 0.75 lb	CA)		ability to develop resistance to	
AI/A for other			various classes of insecticides.	
states.				
			1	
	Whitefly (excluding	0.66 to 1.33		
	· ·	10	Thairtean corterol.	
	,			
		1.33 lb	Apply when eggs appear and repeat at	
	_	.,,,,,		
			, say spray macraner	
	1			
	Bollworm	0.66 to 1.33	Early Season: Use 0.66 lb/A for light	
		1.33 lb (AZ &		
			infestations.	
	Stinkbuas	•	4	
		1,00		
			Moths of Budworm larvae are	
			controlled by direct contact with spray.	
			1	
			_	
			7-day spray intervals. **	
	Pink bollworm (AZ	1.33 lb	3 1 3	
	& CA)		at 7-day spray intervals. **	
	Cutworms	1.0 lb	Ground application is recommended.	
			Aerial applications are less effective, but	
states.	Tobacco budworm adults/larvae Eggs/Deadhatch ® Stinkbugs Pink bollworm (AZ & CA)		Apply when eggs appear and repeat at 7-day spray intervals. ** Moths of Budworm larvae are controlled by direct contact with spray. Moth kill is most likely to occur when late evening applications are made. Deadhatch: Control of emerging larvae by consumption of treated egg casings. Apply when eggs appear and repeat at 7-day spray intervals. ** Apply when insects appear and repeat at 7-day spray intervals. ** Ground application is recommended.	

may be used. Control is most effective when ground	
application is made in the evenings and sprays are directed toward the base	
and lower portion of the plant.	
Apply when insects first appear or	
damage is first noted and repeat	
application as necessary to maintain	
control.**	

Use Restrictions

Do not use treated seed for food or feed purposes or process for oil.

Do not feed gin trash to livestock.

Do not allow animals to graze on treated areas.

** Do not apply more than 4.0 pounds active ingredient per acre per season. This includes the use of Payload® 15 G as an in-furrow at planting treatment, all foliar spray, liquid in-furrow application. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

COTTON TANK MIXES

Table 5. Cotton Tank Mixes

Application Method	Pests Controlled	Acephate 75 WSP	Amount of Acephate 75	Use Instructions	Days to Harvest
Wicthod	Controlled	And	WSP		Tidi vest
		Tank Mix	+		
		Partner	Tank Mix		
			Partner/Acre		
Foliar	Sweet potato	Acephate	0.66 lb	User must comply with all	21
By Ground: 10.0	whitefly	75 WSP	+	applicable directions,	
to 25.0 gal/A of	(Silverleaf	+	10.66 to 16.0 fl	restrictions and	
spray	whitefly)	Danitol®	OZ	precautions on the EPA	
By Air: 3.0 to 10.0		2.4 EC		registered label for Danitol	
gal/A of spray		Spray		2.4 EC spray.	
(minimum of 5.0	Armyworm	Acephate	0.33 to 1.33 lb	User must comply with all	
gal/A in CA)	(excluding Beet	75 WSP	+	applicable directions,	
Aerial	armyworm)	+	1.0 to 2.0 pt	restrictions on the EPA	
application is	Bollworm	Lorsban®		registered label for Lorsban	
limited to 1.0 lb	Cabbage looper	4E		4E.	
AI/A for use in	Cotton aphid			Cutworms:	
CA & AZ and	Cutworms			Use of 1.0 lb/A Acephate 75	
0.75 lb AI/A for	Fleahopper			WSP	
other states.	Grasshoppers			By Ground: Ground	
	Pink bollworm			application is	
	Plantbugs			recommended. Control is	
	(Lygus, Mirids)			most effective when	
	Salt marsh			ground application is made	

caterpillar	in the evenings and sprays
Thrips (including	are directed toward the
Western flower	base and lower portion of
thrips)	the plant.
Tobacco	By Air: Aerial applications
budworm	are less effective, but may
Whitefly	be used.
(excluding	Apply when insects first
Sweet potato/	appear or damage is first
Silverleaf	noted and repeat
whitefly)	application as necessary to
	maintain control.*

Use Restrictions

Do not feed gin trash or treated forage to livestock.

Do not allow livestock to graze on treated areas.

* Do not apply more than 4.0 pounds active ingredient per acre per season. This includes the use of Payload 15 Granular as an in-furrow at planting treatment, all foliar spray, liquid in-furrow application and seed treatment uses. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

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

Tank Mixing:

- This product may be tank mixed with registered cotton herbicides under the following conditions:
 - o The tank mix partners do not prohibit tank mixes;
 - o The most restrictive of label limitations and precautions are observed; and,
 - No label dosage rates are exceeded.
- To determine physical compatibility of potential tank-mix partners with Acephate 75 WSP:
 - 1. In a pesticide-safe container, pour the specified proportions of each chemical with the same proportion of water as will be present in the chemical supply tank. **NOTE:** When mixing wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides.
 - 2. Mix thoroughly and allow to stand for five minutes.
 - 3. If the combination remains mixed, or can be readily remixed, the mixture is considered physically compatible.

Resistance-Management

Cotton pest control programs, especially those for control of 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.

COTTON TANK MIXES WITH PYRETHROIDS

Table 6. Cotton Tank Mixes with Pyrethroids

Application	Pests	Acephate 75	Amount of	Use Instructions	Days to
Method	Controlled	WSP and	Acephate 75		Harvest
		Tank Mix	WSP		
		Partner	+		
			Tank Mix		
			Partner/Acre		
Foliar	Aphids	Acephate 75	0.66 lb to 1.33 lb	Apply when eggs or	21
By Ground: 10.0 to	Bollworm	WSP	+	insects first appear.	
25.0 gal/A of spray	Cabbage	+	one of the	Repeat application as	
By Air: 3.0 to 5.0	looper	one of the	following:	necessary to maintain	
gal/A of spray	Cotton leaf	following:		control.**	
(minimum of 5.0	perforator	Ammo® 2.5	Refer to the	Stinkbugs:	
gal/A in AZ & CA). See	Cutworms	EC	Ammo 2.5 EC	Use of 1.0 lb/A	
Use Instructions for	Fall		approved label	Acephate 75 WSP	
Cutworms. Aerial	armyworm		for use	* Cutworms:	
application is limited	Fleahoppers		instructions.	Use of 1.0 lb/A	
to 1.0 lb AI/A for use	Pink	Asana® XL	Refer to the	Acephate 75 WSP	
in CA $\&$ AZ and 0.75 lb	Bollworm		Asana XL	By Ground: Ground	
AI/A for other states.	(AZ & CA)		approved label	application is	
	Plantbugs		for use	recommended. Control	
	Stinkbugs		instructions.	is most effective when	
	Sweet	Baythroid®	Refer to the	ground application is	
	potato/		Baythroid	made in the evenings	
	Silverleaf		approved label	and sprays are directed	
	whitefly		for use	toward the bas and	
	Thrips		instructions.	lower portion of the	
	(including	Capture® 2	Refer to the	plant.	
	Western	EC	Capture 2 EC	By Air: 3.0 to 10.0 gal/A	
	flower		approved label	spray (minimum 5.0	
	thrips)		for use	gal/A in CA)	
	Tobacco		instructions.	Aerial applications are	
	budworm	Karate®E	Refer to the	less effective, but may	28
	Whitefly	(except CA)	Karate	be used.	
			approved label	Apply when insects first	
			for use	appear or damage is	
			instructions.	first noted and repeat	
				application as	
				necessary to maintain	
				control.**	

Use Restrictions

Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.

** Do not apply more than 4.0 pounds active ingredient per acre per season. This includes the use of Payload 15 G as an in-furrow at planting treatment, all foliar spray, liquid in-furrow application and seed treatment uses. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

Use synthetic pyrethroids within the guidelines of state and/or regional resistance management programs and recommendations.

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Follow all restrictions 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 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.

CRANBERRY

Table 7. Cranberry

Application	Pests	Rates of	Use Instructions	Days to
Method	Controlled	Acephate		Harvest
		75		
		WSP/Acre		
Foliar	Cranberry	1.33 lb	Sprinkler Irrigation Application To	90
By Ground or	blossom		Cranberries: This product may only be	
Sprinkler:	worm		applied through sprinkler irrigation systems	
Sufficient water to	Cranberry		including center pivot, lateral move, and low,	
give thorough	cutworm		side (wheel) roll, travelers, big gun, solid set,	
coverage.	False		or hand move. Do not apply this product	
By Air: Minimum	armyworm		through any other type of irrigation system.	
of 2.0 gal/A of	Fireworms		Crop injury, lack of effectiveness, or illegal	
spray	Gypsy moth		pesticide residues in the crop may result from	
	Sparworms		non-uniform distribution of treated water.	
	Sparganothis		If you have questions about calibration, you	
			should contact State Extension Service	
			specialists, equipment manufacturers or	
			other experts.	

Use Restrictions:

Limit to 1 application per growing season.

Do not apply more than 1.33 pounds per acre (1.0 pound active ingredient) per season.

Do not apply from start of bloom until all berries set.

Sprinkler Irrigation Application to Cranberries: 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 systems are in place.

A person knowledgeable on 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.

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 of 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 System: Apply specified dosage for the entire length of the irrigation period 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 ensure 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 Note.

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

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 turn to ensure adequate mixing.

Application of more than label-recommended 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

Table 8. Head Lettuce (Crisphead Type Only)

Application	Pests Controlled	Rates of	Use Instructions	Days to Harvest
Method		Acephate 75		
		WSP/Acre		
Foliar	Aster leafhopper	0.66 to 1.33	Repeat application	21
By Ground: 10.0	Green peach	lb	as necessary to	Spring, summer and early fall
to 60.0 gal/A of	aphid		maintain control.*	crops in all areas, winter
spray broadcast.	Armyworms	1.33 lb		crops in FL and TX, late fall
By Air: Minimum	(excluding Beet			crops in AZ and winter crops
of 5.0 gal/A of	armyworm)			in AZ and CA.
spray	Cabbage looper			

Use Restrictions:

*Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

Do not feed trimming to livestock or allow animals to graze in treated areas.

AZ & CA, Desert Areas: Do not apply after first head begins to form in crops which germinate from mid-September through November.

MINT

Peppermint and Spearmint

Table 9. Mint—Peppermint and Spearmint

Application	Pests	Rates of	Use Instructions	Days to
Method	Controlled	Acephate		Harvest
		75		
		WSP/Acre		
Foliar	Alfalfa	1.33 lb	Apply when eggs or insects first appear. Make one	14
By Ground:	looper	(21.25 oz)	repeat application, if necessary, to maintain	
20.0 to 100	Aphids		control.*	
gal/A of spray	Cutworms			
By Air: 5.0 to				
10.0 gal/A of				
spray				
Foliar	Strawberry	1.33 lb	Strawberry root and Black vine weevil:	14
By Ground:	root weevil	(21.25 oz)	For control, apply in water in a minimum of 40.0	
40.0 to 100	adult		gal spray/A by ground. Good spray coverage and	
gal/A of spray	Black vine		canopy spray penetration is critical for control.	
	weevil		Increase spray volume and pressure with tall or	
	adult		dense mint canopy. Apply after adult emergency is	
			complete but prior to egg laying. Apply at dusk or	
			during the night on a warm still evening. Two	
			applications 7 days apart may be necessary to	
			reduce heavy infestations.	

Use Restrictions for All Application Methods:

*Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season. *Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

Do not graze treated areas.

NON-CROP AREAS FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS Table 10. Non-Crop Areas—Field Borders, Fencerows, Roadsides, Ditchbanks, Borrow Pits

Application Method	Pests	Rates of	Use Instructions		
	Controlled	Acephate 75			
		WSP/Acre			
Foliar	Grasshoppers	0.33 lb	For early to mid-season application. Use the higher		
By Ground: 10.0 to			volumes when spraying dense foliage. An approved		
20.0 gal/A of spray			drift retardant may be added to aid in controlling		
By Air: 1.0 to 5.0			drift and reducing evaporation of aerial sprays.		
gal/A of spray					
(minimum of 5.0 gal/A					
in CA)					
Do not graze or feed ve	Do not graze or feed vegetation cut from treated areas.				

PEANUTS

Table 11. Peanuts

Application	Pests	Rates of	Use Instructions	Days to
Method	Controlled	Acephate		Harvest
		75		
		WSP/Acre		
Foliar	Grasshoppers	0.33 to	Apply when eggs or insects first appear. Make	14 (of
By Ground:		0.66 lb	one repeat application, if necessary, to maintain	digging)
10.0 to 50.0	Thrips	0.5 to 1.0	control.* This product can be tank mixed with	
gal/A of spray		lb	registered at-cracking and early post-emergence	
By Air: 5.0 to	Corn earworm	1.0 to 1.33	peanut herbicides, provided those products do	
10.0 gal/A of	Fall	lb	not prohibit tank mixes, provided the most	
spray	armyworm		restrictive of label limitations and precautions are	
	Leafhoppers		followed, and provided no label dosage rates are	
	Loopers		exceeded. To determine physical compatibility,	
	Velvetbean		pour the recommended proportions of each	
	caterpillar		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. Conduct another compatibility test at concentrations which will be present in the irrigation lines. If there is any separation, which cannot be remixed readily, Loveland Products, Inc., recommends that the combination not be used. Combinations should be kept agitated and should be applied immediately. Do not allow combinations to set for prolonged periods in the chemical supply tank or irrigation lines.
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Use Restrictions:

Do not feed treated forage or hay to livestock.

Do not allow animals to graze on treated areas.

*Do not apply more than 4.0 pounds active ingredient (5.33 pounds formulated product) per acre per crop cycle. This includes the use of this product on peanuts as a foliar spray in addition to the peanut planter box seed treatment use. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

PEPPERS

Bell Table 12. Peppers—Bell

Application Method	Pests Controlled	Rates of Acephate 75	Use Instructions	Days to Harvest
Foliar By Ground: 25.0 to	Grasshoppers	WSP/Acre 0.33 to 0.66 lb	Apply when eggs or insects first appear. Repeat as necessary to	7
150 gal/A of spray By Air: Minimum of 3.0 gal/A of spray (minimum of 5.0 gal/A in CA)	Cabbage looper Green peach aphid Tobacco hornworm	0.66 to 1.33 lb	maintain insect-pest populations below economically damaging numbers.*	
	European corn borer	1.0 to 1.33 lb		

Use Restrictions:

*Do not apply more than 2.66 pounds per acre (2.0 pounds active ingredient) per season. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

Non-Bell

For Use in Midwestern, Eastern States (AL, AR, CT, DE, DC, FL, GA, IL, IN, IA, KS, KY, LA, ME, MD, MA, MI, MN, MS, MO, NE, NH, NJ, NY, NC, ND, OH, OK, PA, RI, SC, SD, TN, TX, VT, VA, WV, WI) and Puerto Rico Only.

Table 13. Peppers—Non-Bell

Application Method	Pests	Rates of Acephate	Use Instructions	Days to
	Controlled	75 WSP/Acre		Harvest
Foliar By Ground: 40.0 to 150 gal/A of spray	Aphids	0.66 lb	Repeat at 7- to 10-day spray intervals as necessary.*	7

Use Restrictions:

*Do not apply more than 1.33 pounds per acre (1.0 pounds active ingredient) per season. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

TOBACCO

Table 14. Tobacco Use Restrictions

*Do not apply more than 5.33 pounds per acre (4.0 pounds active ingredient) per season. This includes the use of this product in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications. Minimum 3-day application interval for up to 0.5 pound active ingredient per acre and 7 days for rates greater than 0.5 pound active ingredient per acre.

Application Method	Pests Controlled	Rates of Acephate 75 WSP/Acre	Use Instructions	Days to Harvest
Floatbed Foliage: Apply at the equivalent of 1.0 tblsp in 3.0 gal water/every 1000 sq ft of bed.	Cutworm Flea beetle Green peach aphid Tobacco aphid	1.0 lb	Apply evenly to ensure thorough coverage. Note: Floatbed water should be disposed of in the transplanted field as transplanter water or foliar spray	
Plant Bed Foliage: Apply at the equivalent of 1.0 tblsp in 3.0 gal water/every 1000 sq ft of bed.	Cutworm Flea beetle Green peach aphid Tobacco aphid	1.0 lb	Apply evenly to ensure thorough coverage.	
Transplant Apply in a minimum of 100 gal of transplant water/A.	Cutworm Flea beetle Green peach aphid Potato tuberworm Tobacco aphid Tobacco thrips	1.0 lb	Provides control for approximately 3 to 4 weeks after transplanting. For control late in the season, apply foliar sprays of this product. 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.	
Use Restrictions:			contract promise promise	
	than 1.0 pound of this p	roduct per acre	as a transplant-water application as some ph	nvtotoxicity
may occur.	aa		р.	.,
Foliar	Grasshoppers	0.33 to	Repeat at 3- to 7-day spray intervals as	3
By Ground: 10.0		0.66 lb	necessary.*	
to 50.0 gal/A of	Flea beetle	0.66 lb	,	
spray	Green peach aphid			
By Air: Minimum	Hornworm			
of 3.0 gal/A of	Tobacco thrips			
spray	Stinkbugs	0.66 to 1.0		
	Tobacco aphid	lb		
	Vegetable weevils			
	Budworm	1.0 lb		
	Cabbage looper			
	Cutworm			
	Japanese beetle			
Soil Mount	Ants (including	0.33	Apply 1.0 gal of mix to each mound area	3
Treatment	Imported fire ants	lb/26.6 gal	by sprinkling the mound until it is wet	
Drench Method	and Harvester	water	and treat a 4 ft diameter circle around the	
	ants) (excluding		mound.	
	Carpenter and			
	Pharaoh ants)			

Use Restrictions:

Treat a maximum of 13 mounds per acre.

Do not treat more than once per season.

Apply in the early morning or late afternoon, when ants are most active, for best results.

Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

PESTICIDE STORAGE: Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is away from excessive heat, and in a place that is inaccessible to children and animals. Do not contaminate food, feed, or foodstuffs. Do not put concentrate or dilute into food or drink containers.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer empty bag for recycling if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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

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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.

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