

PM 19

352-342

10/16

# RESTRICTED USE PESTICIDE

**Due to High Acute Toxicity to Humans.** For retail sale to and use only by certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

REGISTRATION CODE 0293-000

PACKAGE SIZE  
24 - 8 OUNCE POUCHES/CARTON  
6 - 2 POUND POUCHES/CARTON  
2 - 10 POUND BAGS/CARTON



# LANNATE®

## INSECTICIDE

WATER SOLUBLE POWDER

### INGREDIENT STATEMENT:

ACTIVE INGREDIENTS	BY WEIGHT
Methomyl(S-methyl-N-[(methylcarbamoyl)oxy]thioacetimidate).....	90%
INERT INGREDIENTS.....	10%
TOTAL	100%

EPA Reg. No. 352-342

**ACCEPTED**

KEEP OUT OF REACH OF CHILDREN

**DANGER**  **POISON**

**MAY 11 1993**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 352-342

**PELIGRO** PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

### STATEMENT OF PRACTICAL TREATMENT

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting in, or give anything by mouth to an unconscious or convulsing person.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If in eyes:** Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**ATROPINE IS AN ANTIDOTE -SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.**

If warning symptoms appear (see WARNING SYMPTOMS), get medical attention.

For medical emergencies involving this product, call toll free 1-800-441-3637.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER**  **POISON**

**DANGER - FATAL IF SWALLOWED. MAY BE FATAL IF INHALED OR ABSORBED THROUGH EYES. HARMFUL IF ABSORBED THROUGH THE SKIN.**

Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. When mixing spray, loading, applying, or otherwise handling, wear protective clothing, goggles, and a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash contaminated clothing before re-use. Pilot should not assist in the mixing and loading operation.

Do not apply this product in such a manner as to directly or through drift expose workers, other persons or animals. The area being treated must be vacated by unprotected persons.

(continued on next page)

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## PRECAUTIONARY STATEMENTS (continued)

**WARNING SYMPTOMS** — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

### NOTE TO PHYSICIAN

**TREATMENT** — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to "Lannate" alone. However, for exposure to combinations of "Lannate" and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine. For medical emergencies involving this product, call toll free 1-800-441-3637.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

## PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. Use with adequate ventilation.

## GENERAL INFORMATION

**Scouting** — Monitoring insect populations to determine whether or not there is a need for application of "Lannate" is recommended. More than one treatment of "Lannate" may be required to control a population of pests.

**Insect Predators** — "Lannate" at rates of 1/8 to 1/4 lb. per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

**Compatibility** — Since formulations may be changed and new ones introduced, it is recommended that users premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.). Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use "Lannate" with Bordeaux mixture, "Du Ter" (triphenyltin hydroxide), lime sulfur, "Rayplex" iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank-mix solutions containing Boron may affect solubility of the water soluble film. When using Boron containing solutions in a tank-mix, follow these procedures:

- Add the correct amount of "Lannate" water soluble packets first
- Be sure the soluble packets are completely dissolved
- Introduce Boron containing solutions last

If the above procedure cannot be followed, and Boron is an essential part of the spray mix, substitute "Lannate" L formulation for the water soluble packets.

## DIRECTIONS FOR USE

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

Du Pont "Lannate" Insecticide should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risks associated with such non-recommended use. "Lannate" is a dry powder to be dissolved in water for application by ground or air equipment. Use only in commercial and farm plantings; do not use in home plantings.

Reentry into treated areas is prohibited for the following time periods after the end of application, unless personal protective clothing and equipment specified on this label for early reentry are worn; because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information: seven days for grapes; four days for peaches; three days for cotton, nectarines, citrus and apples; two days for corn; and one day for all other crops and use sites. For early reentry before sprays have dried or dusts have settled, wear a long-sleeved shirt, long-legged pants, shoes and socks, chemical resistant gloves, face shield or goggles, and NIOSH or MSHA approved respirator. For early reentry after sprays have dried or dusts have settled, all the above except the respirator must be worn.

Refer also to use rate table for specific reentry interval (REI) for each crop.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written (or

oral) warnings must include the following information: "DANGER—POISON. Area treated with "Lannate" on (date of application). Do not enter treated areas without appropriate protective clothing until after specified reentry period expires. If warning symptoms appear, refer to Statement of Practical Treatment on front of "Lannate" label and seek medical attention at once."

**PERSONAL PROTECTIVE EQUIPMENT**

USE ONLY WHEN WEARING THE FOLLOWING PERSONAL PROTECTIVE EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIRING AND CLEANING OF MIXING, LOADING, AND APPLICATION EQUIPMENT, AND DISPOSAL OF THE PESTICIDE: long-sleeve shirt; long-legged pants; shoes and socks, chemical resistant gloves; face shield or goggles; NIOSH or MSHA approved respirator. During equipment repair and cleaning, the respirator need not be worn.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: long-sleeve shirt and long-legged pants; shoes and socks. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when exiting the cab into treated area. When used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately. ALWAYS WASH HANDS, FACE, AND ARMS WITH SOAP AND WATER BEFORE USING TOBACCO PRODUCTS, EATING, DRINKING, OR TOILETING.

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job—do not wear contaminated clothing. Personal clothing worn during work must be stored and laundered separately from protective clothing and household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Protective clothing and protective equipment heavily contaminated or drenched with methomyl must be destroyed according to state and local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED, EXCEPT WHEN IN AN ENCLOSED VEHICLE OR WEARING THE PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT REQUIRED FOR THE APPLICATOR. PILOT SHOULD NOT ASSIST IN THE MIXING AND LOADING OPERATION.

**SPRAY PREPARATION**

Fill spray tank 1/4 to 1/2 full of water. Add "Lannate" directly to spray tank. Mix thoroughly to fully dissolve the insecticide; once dissolved continued agitation is not required. Use mechanical or hydraulic means; do not use air agitation. Be sure the soluble packet is completely dissolved before adding any other ingredients. Spray mix should not be stored overnight in spray tank.

Do not apply this product through any type of irrigation system.

**APPLICATION**

Apply at the recommended rates when insects first appear. Unless otherwise noted, continue application at 5- to 7-day intervals or as needed. On the following crops the minimum interval between treatments is: Sweet corn, - 1 day; Broccoli, brussels sprouts, cabbage, cauliflower, lettuce - 2 days; Peas - 3 days; Apples, bulb onions - 7 days. Use sufficient water to obtain thorough, uniform coverage. Since "Lannate" is a fast acting contact insecticide, best results follow direct spraying of the target insect. This can be accomplished with fine spray droplets at low volume.

For aerial, use a minimum of 2 gals. per acre (gpa) except 10 gpa for grapes, nectarines and strawberries; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.

For certain crops a minimum of 1 gallon per acre may be used providing the following conditions are met:

- equipment is capable of delivering small spray droplets to insure thorough coverage,
- equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such that the spray is delivered to the target area,
- local regulations do not prohibit low-volume aerial sprays,
- use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa	Collards	Peppers
Anise	Corn	Potato
Asparagus	Cotton	Rye
Barley	Cucumber	Sorghum
Beans	Lettuce	Soybean
Broccoli	Melons	Spinach
Brussels sprouts	Mint	Sugar beet
Cabbage	Oats	Summer Squash
Carrot	Pearlts	Wheat
Cauliflower	Peas (succulent)	
Celery	Peppermint	

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

Crops	Insects	RATES	LAST APPLICATION-DAYS			Further Use Inform
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Alfalfa	Pea Aphid, Lygus Bugs, Blotch Leafminer, Aphids, Egyptian Alfalfa Weevil Larvae	1/2 -1		7	1	Do not apply to dormant when min. daily temp. is Do not apply more than Do not make more than
	Fall Armyworm	1/2				
	Alfalfa Weevil Larvae	1				
	Loopers, Yellowstriped Armyworm, Western Yellowstriped Armyworm, Armyworm	1/4-1/2				
	Variegated Cutworm, Beet Armyworm	1/4-1				
	Alfalfa Caterpillar	1/4-1/2				
Anise (Fennel)	Cabbage Looper	1	7		1	Do not apply more than Do not make more than
	Beet Armyworm	1/2-1				
Apple Ground application only	Apple Aphid, Rosy Apple Aphid, Tufted Apple Budmoth, Green Fruitworm, Tarnished Plant Bug,	1/2-1 *	14	10	3	Do not use on Early Ma Do not apply more than Do not make more than  *Apply in a minimum of
	Codling Moth (10-12 day intervals)					
	Leafrollers (Fruitree, Obliquebanded, Redbanded, Variegated), Lesser Appleworm, White Apple Leafhopper, Tentiform Leafminer, Cutworm	1 *				
Asparagus	Beet Armyworm, Western Yellowstriped Armyworm, Asparagus Beetle, Spotted Asparagus Beetle, White Cutworm, Redbacked Cutworm	1/2-1	1		1	Do not apply more than Do not make more than
	Variegated Cutworm	1/2				
Avocado	Western Avocado Leafroller, Omnivorous Looper	1/2-1	1	10	1	Do not apply more than Do not make more than

Crops	Insects	RATES	LAST APPLICATION-DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Barley	Armyworms, Cereal Leaf Beetle, Aphids	1/4-1/2	7	10	1	Do not apply more than 1.8 lbs a.i./acre/crop Do not make more than 4 applications/crop
Beans(Succulent) (Includes Blackeyed Peas & Cowpeas)	Leafhopper, Mexican Bean Beetle	1/4-1	Succulent Beans  1/4-1/2 lb. -1, over 1/2 lb. -3;	3 Vines	1	Succulent Beans - Do not apply more than 4.5 lbs a.i./acre /crop Do not make more than 10applications/crop *Not recommended in AI & GA.
	Fall Armyworm, Variegated Cutworm	1/2		7 Hay		
	Beet Armyworm, Loopers, Corn Earworm, Saltmarsh Caterpillar, Yellowstriped Army- worm, Western Yellowstriped Armyworm, Lygus Bugs, Thrips, Aphids, Loopers*	1/2-1				
	European Corn Borer(Ovicide & Larvacide) -Initiate when moth flights first appear and- continue preventive treatments at 3-4 day intervals to control eggs and larvae					
	Spotted Cucumber Beetle	1/4-1/2				
Beans(Dry)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 *	14 Vines * 14 Hay *	1	Do not apply more than 4.5 lbs a.i./acre /crop Do not make more than 10application/crop *Do not apply within 14 days of cutting.
Beets (Table)	Imported Cabbageworm, Beet Armyworm, Cabbage Looper, Diamondback Moth	1/4-1	0 - roots		1	Do not apply more than 3.6lb.s.a.i./acre/crop Do not make more than 8applications/crop
	Cucumber Beetle, Variegated Cutworm	1/2	14 - tops			
Bermudegrass pasture	Fall Armyworm, Armyworm	1/4-1		7 Forage 3 Dehydrated Hay	1	Do not apply more than 0.9 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Blueberries	Blueberry Leafhopper, Aphids, Tussock Moth, Weevil, Sharp-Nosed Leafhopper	1/2	3		1	Do not apply during bloom Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 4 applications/crop
	Cranberry Fruitworm, Cherry Fruitworm	1/2-1				
	Flea Beetle (larvae), Sawfly (larvae), Blueberry Leafroller	1				
	Blueberry Maggot	1/4-1/2				

Crops	Insects	RATES	LAST APPLICATION—DAYS		REI (DAYS)	Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding		
Broccoli	Loopers, Imp. Cabbageworm, Diamondback Moth	1/4-1**	3		1	** Add a wetting agent to improve coverage Do not apply more than 7.2 lbs.a.i./acre/crop Do not make more than 10 applications/crop
Brussels Sprouts	Loopers, Imp. Cabbageworm, Diamondback Moth	1/2-1**	3		1	** Add a wetting agent to improve coverage Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Variogated Cutworm	1/2**				
Cabbage	Loopers*, Imp. Cabbageworm, Diamondback Moth	1/4-1**	1		1	**Add a wetting agent to improve coverage Do not apply more than 9.0 lbs.a.i./acre/crop Do not make more than 15 applications/crop *Not recommended in AL & GA.
	Fall Armyworm, Variogated Cutworm	1/2**				
Carrot	Beet Armyworm	1/3-1	1		1	Do not apply more than 6.3 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Aster Leafhopper	1/2-1				
	Armyworms	1/4-1/2				
	Variogated Cutworm	1/4-1/2				
Cauliflower	Imp. Cabbageworm, Loopers, Diamondback Moth	1/4-1**	3		1	**Add a wetting agent to improve coverage Do not apply more than 9.0 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Variogated Cutworm	1/2**				
Celery	Beet Armyworm, Aster Leafhopper	1/2-1	7		1	Do not apply more than 9.0 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Loopers	1				
	Variogated Cutworm	1/2				
	Armyworms	1/4-1/2				
Chicory	Beet Armyworm, Variogated Cutworm, Leafhoppers	1/2-1	30		1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 2 applications/crop

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Crops	Insects	RATES	LAST APPLICATION-DAYS		REI (DAYS)	Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding		
Chinese Cabbage Ground application only	Loopers, Beet Armyworm	1/2-1	10		1	Do not apply more than 8.1 lbs.a.i./acre/crop Do not make more than 10 applications/crop
Collards (Fresh market only)	Loopers*, Diamondback Moth, Variegated Cutworm	1/2	10		1	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10" tall Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 8 applications/crop *Not recommended in AL & GA
	Imported Cabbageworm, Beet Armyworm	1/2-1				
Corn (Field & Popcorn)	Earworm, Armyworm, Fall Armyworm, Corn Rootworm (adult beetles), Flea Beetles, Picnic Beetles, Aphids	1/4-1/2	21 Ears	3 Forage 21 Fodder	2	Do not apply more than 2.25 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Variegated Cutworm, Beet Armyworm	1/2				
Corn (Sweet)	Earworm—Whorl as needed	1/3-1/2	0 Ears	3 Forage	2	Certain hybrid varieties of corn are susceptible to methomyl injury. treat a small area to determine crop safety before fullscale spraying Do not apply more than 7.2 lbs.a.i./acre/crop Do not make more than 28 applications/crop
	Fall Armyworm, Armyworm, Earworm, (Ovicide/Larvicide), European Corn Borer- Ears 1-3 days or as needed, Corn Rootworm (adult beetles), Flea Beetles, Picnic Beetles, Aphids	1/4-1/2				
	Variegated Cutworm, Beet Armyworm	1/2				
Cotton  U.S.  (continued on next page)	Ovicide/Larvicide Bollworm, Tobacco Budworm (Initiate schedule when significant numbers of eggs are present Continue at 5- to 7-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.) Lygus Bugs (adults and nymphs) start treatment on low level population for suppression.	1/8-1/4 (see Predators)	15	Do not graze or feed	3	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 8 applications/crop Use may redden cotton if excessive stop or alternate with other insecticides

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Crops	Insects	RATES	LAST APPLICATION—DAYS		Further Use Information	
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding		REI (DAYS)
Cotton (continued)	U.S.	Cotton Leafworm	1/4-1/2			Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 8 applications/crop Use may redden cotton if excessive stop or alternate with other insecticides
		Cotton Fleahopper (as needed)	1/3-1/4			
		Aphids, Thrips	1/4			
	East of Rockies only	(Early Season) Bollworm, Tobacco Budworm, Beet Armyworm, Cotton Leafperforator, Fall Armyworm Lygus Bugs (adults and nymphs) use as occasional spray in regular schedule but not more often than every 10 days.	1/2			
		(Late Season) Bollworm, Tobacco Budworm, Beet Armyworm, Cotton Leafperforator, Fall Armyworm, Lygus Bugs (adult and nymphs) up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1/2			
	West of Rockies only	Larvicide for worms Bollworm, Fall Armyworm, Tobacco Budworm, Lygus Bugs	1/2-3/4			
		Beet Armyworm Cotton Leafperforator	1/3-1/2 1/3-3/4			
Cucumber	Loopers, Tobacco Budworm, Beet Armyworm, Yellowstriped Armyworm, Granulate Cutworm, Flea Beetles, Cucumber Beetles, Melon Aphid, Melonworm, Pickleworm	1/2-1	1/2 lb. -1 Over 1/2 lb.-3		1	Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 12 applications /crop
	Fall Armyworm, Variegated Cutworm	1/2				
Eggplant	Green Peach Aphid	1/4-1	5		1	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Tomato Pinworm(Ground Application Only), Beet Armyworm	1/2-1				

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Crops	Insects	RATES	LAST APPLICATION-DAYS		REI (DAYS)	Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding		
Endive, Escarole	Beet Armyworm	1/2-1	10		1	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 8 applications/crop
Garlic	Beet Armyworm	1/2**	7		1	** Add a wetting agent to improve coverage Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 6 applications/crop
Grapefruit CA & AZ only	Thrips, Fruittree Leafroller, Orange Tortrix, Western Tussock Moth, Beet Armyworm	1/2-1	1	10	3	Do not apply more than 2.7 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Grapes East of Rockies only	Grape Berry Moth (apply pre- & post-bloom & repeat at 10-14 day intervals or as needed), Leafhoppers	1/2-1	1 Fresh & Raisin		7	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 5 applications/crop
U.S.	Omnivorous Leafroller, Grape Leaffolder, Orange Tortrix		14 Wine Grapes			Leaf hoppers & Grape leaf skeletonizer (Gound Application Only)
	Saltmarsh Caterpillar					
	Leafhoppers					
West of Rockies only	Climbing Cutworm (Treat infestation and repeat at 7-14 day intervals as needed)	1				
CA only	Grape Leaf Skeletonizer	1/2-1				
	Thrips	1/8-1/4				
Horseradish Ground application only	Aphids, Thrips	1/2	65		1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 4 applications/crop

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Crops	Insects	RATES	LAST APPLICATION—DAYS		REI (DAYS)	Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding		
Leafy Green Vegetables: Beet (Tops), Dandelions, Kale, Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm Loopers*	1/2-1	10		1	Do not apply more than 3.6lbs.a.i./acre/crop Do not make more than 8 applications/crop * Not recommended in AL & GA.
Lemon CA & AZ only	Thrips, Western Tussock Moth, Orange Tortrix, Beet Armyworm	1/2-1	1	10	3	Do not apply more than 2.7 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Lentils	Western Yellowstriped Armyworm	1/2-1	21	3 - Forage 7 - Hay	1	Do not apply more than 0.9 lbs.a.i./acre/crop Do not make more than 2 applications/crop
Lettuce, (head varieties in U.S. and Leaf varieties in CA and AZ)	Beet Armyworm, Loopers	1/4-1	1/4-1/2 lb. -7  over 1/2 lb. -10		1	Lettuce(head varieties) Do not apply more than 9.0 lbs.a.i./acre/crop Do not make more than 15 applications/crop  Lettuce(leaf varieties) - CA & AZ Only Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 8 applications/crop
	Thrips, Aphids, Corn Earworm, Aster Leafhopper	1/2-1				
	Variegated Cutworm	1/2				
Melons	Loopers, Tobacco Budworm, Beet Armyworm, Yellowstriped Armyworm, Granulate Cutworm, Flea Beetles, Cucumber Beetles, Melon Aphid, Melonworm, Pickleworm	1/2-1	1/2 lb. -1 day  over 1/2 lb. -3 days		1	Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 12 applications/crop
	Fall Armyworm, Variegated Cutworm	1/2				

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Crops	Insects	RATES	LAST APPLICATION-DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Mint	Variogated Cutworm, Alfalfa Looper	1	14		1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 4 applications/crop
	Flea Beetles	3/4-1				
Nectarine CA & AZ only	Thrips	1/2-1	1	10	3	Do not apply more than 2.7 lbs.a.i./acre/crop Do not make more than 3 applications/crop
Oats	Armyworms, Cereal Leaf Beetle, Aphids	1/4-1/2	7	10	1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Onions(Green & Dry Bulb)	Beet Armyworm	1/2-1**	7 Green and Dry Onions		1	** Add a wetting agent to improve coverage Onions, green Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 8 applications/crop  Onions, dry bulb Do not apply more than 3.6lbs.a.i./acre/crop Do not make more than 8 applications/crop
	Thrips, Variogated Cutworm	1**				
Oranges CA & AZ only	Thrips, Western Tussock Moth, Orange Tortrix, Fruitree Leafroller, Beet Armyworm Citrus Cutworm	1/2-1	1	10	3	Do not apply more than 2.7 lbs.ai./acre/crop Do not make more than 4 applications/crop
Ornamentals Ground application only (refer to Suppl. Labeling)		1/4-1/2 per 100 gal***				*** On field grown ornamentals Do not apply more than 0.9 lbs.a.i./acre/application
Peaches  (continued on next page)	Canfacing Insects (Plant Bugs and Slink Bugs)— begin at petal fall and continue in cover sprays at 7-to 10-day intervals	1-2 lb (or 1/4-1/2 lb per 100 gal up to 400 gal per acre)	4	10	4	Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 6 applications/crop

110816

Crops	Insects	RATES	LAST APPLICATION—DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Peaches(continued)	Oriental Fruit Moth—begin at petalfall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use.	1-2 lb (or 1/4-1/2 lb per 100 gal up to 400 gal per acre)	4	10	4	Oriental Fruit Moth(Ground Application Only)
	Green Peach Aphid					
Peanuts	Corn Earworm, Beet Armyworm, Potato Leafhopper	1/4-1	21	Do not feed treated vines	1	"Lannate" has ovicidal and larvicidal control on corn earworm Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 8 applications/crop  Soybean Looper is difficult to control Do not apply toworms greater than 1/2" long Use higher rate for severe infestations
	Green Cloverworm, Velvetbean Caterpillar, Thrips, Granulate Cutworm—	1/2-1				
	Fall Armyworm	1/4-1/2				
	Cabbage Looper	1/2-1				
	Soybean Looper .	1/2-1				
Pears, Northeast only	Green Fruitworm, Obliquebanded Leafroller	1/2-1 *	7	10	1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 2 applications/crop *Apply in a minimum of 50 gallons of water per acre
Peas	Armyworm, Green Cloverworm	1/4-1/2	1	5 Forage 14 Hay	1	Do not apply more than 2.7 lbs.a.i./acre/crop Do not make more than 6 applications/crop * Not recommended in AL & GA.
	Loopers*, Pea Aphid, Beet Armyworm, Saltmarsh Caterpillar, Variegated Cutworm	1/2-1				
	Alfalfa Caterpillar	1/4-1				

120816

Crops	Insects	RATES	LAST APPLICATION-DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Pecans Southeast only	Aphids	1/2-1	30	10	1	Do not apply more than 6.3 lbs.a.i./acre/crop Do not make more than 7 applications/crop
Peppers	Green Peach Aphid, Fall Armyworm, Loopers, Beet Armyworm	1/2	3		1	Do not apply more than 4.05 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Armyworm, Variegated Cutworm	1/4-1/2				
Pomegranates	Omnivorous Leafroller	1	14		1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 2 applications/crop
Potato	Tuberworm, Loopers, Aphids, Beet Armyworm Leafhoppers	1/2-1	6		1	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Variegated Cutworm, Fall Armyworm, Flea Beetles	1/2				
Rye	Armyworms, Cereal Leaf Beetle, Aphids	1/4-1/2	7	10	1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Sorghum	Sorghum Webworm	1/2	14	14	1	Do not apply more than 0.9 lbs.a.i./acre/crop Do not make more than 2 application/crop
	Sorghum Midge—Apply when 50% bloom and 3-5 days later if needed Fall Armyworm (Budworm), Beet Armyworm, Corn Earworm, Armyworm	1/4-1/2				
Soybeans  (continued on next page)	Green Cloverworm, Velvet-bean Caterpillar, Mexican Bean Beetle	1/8-1/4(see Predators)	14	Under 1/2 lb. — 3 Forage 7 Hay	1	Do not apply more than 1.35 lbs.a.i./acre/crop Do not make more than 3 applications/crop
	Light to moderate infestations					
	Moderate to severe infestations	1/4-1/2		1/2 - 1lb. — 10 Forage 12 Hay		
	Corn Earworm	1/8-1/4(see Predators)				
	Light to moderate infestations					
	Moderate to severe infestations	1/4-1/2				

130416

Crops	Insects	RATES	LAST APPLICATION--DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Soybeans(continued)	Beet Armyworm, Salt Marsh Caterpillar, Bean Leaf Beetle, Fall Armyworm Thrips, Silver Spotted Skipper  Light to moderate infestations	1/4-3/8				Do not apply more than 1.35 lbs.a.i./acre/crop Do not make more than 3 applications/crop
	Moderate to severe infestations	3/8-1/2				
Spinach	Loopers, Beet Armyworm	1/2-1	7		1	Do not apply when min. daily temp.is 32° F. or lower Do not apply to seedlings less than 3" diameter Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 8 applications/crop
	Fall Armyworm, Variegated Cutworm	1/2				
Strawberry	Beet Armyworm, Thrips, Aphids	1/2-1	3-Fresh Fruit  10-Processing Fruit		1	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Lygus Bugs, Omnivorous Leaf Tiers	1				
	Armyworms	3/4-1				
Sugar Beet	Beet Webworm, Flea Beetles, Carrion Beetles, Beet Armyworm, Aphids, Western Yellowstriped Armyworm-	1/4-1	7	30 Tops	1	Do not apply more than 4.5 lbs.a.i./acre/crop Do not make more than 10 applications/crop
	Variegated Cutworm	1/2				
Summer Squash	Loopers, Tobacco Budworm, Beet Armyworm, Yellowstriped Armyworm, Granulate Cutworm, Flea Beetles, Cucumber Beetles, Melon Aphid, Melonworm, Pickleworm, Fall Armyworm	1/2-1	1/2 lb. -1 day over 1/2 lb.-3 days		1	Do not apply more than 5.4 lbs.a.i./acre/crop Do not make more than 12 applications/crop

14071

Crops	Insects	RATES	LAST APPLICATION—DAYS			Further Use Information
		"Lannate" Lbs. Per Acre	To Harvest	To Livestock Grazing/ Feeding	REI (DAYS)	
Tangelo, Tangerine CA & AZ only	Thrips, Western Tussock Moth, Orange Tortrix, Beet Armyworm	1/2-1	1	10	3	Do not apply more than 2.7 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Tobacco (Except shade)	Flea Beetle, Hornworm	1/4-1/2	5 Flue cured		1	Do not apply more than 2.25 lbs.a.i./acre/crop Do not make more than 5 applications/crop
	Loopers, Aphids, Tobacco Budworm, Fall Armyworm	1/2	14 Air or fire cured			
Tomato	Tomato Fruitworm, Aphids, Hornworm, Loopers, Beet Armyworm, Southern Armyworm, Pinworm	1/2-1	1		1	Do not apply more than 7.2 lbs.a.i./acre/crop Do not make more than 16 applications/crop
	Fall Armyworm, Variegated Cutworm	1/2				
	Armyworm	1/4-1/2				
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	1-2 (2/5-4/5 ozs. per 1000 sq. ft.)		Do not graze or feed	1	Do not apply more than 3.6 lbs.a.i./acre/crop Do not make more than 4 applications/crop
Wheat	Armyworms, Cereal Leaf Beetle, Aphids	1/4-1/2	7	10	1	Do not apply more than 1.8 lbs.a.i./acre/crop Do not make more than 4 applications/crop

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