

01-22-2009

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASH INGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms. Luz Chan Drexel Chemical Company P. O. Box 13327 Memphis, TN 38113-0327

JAN 2 2 2009

Dear Ms. Chan:

Subject: Amendment – Revise Label per label table received with DCI dated February 4, 2008
Drexel Endosulfan 2 EC
EPA Reg. No. 19713-99
Your submission dated October 8, 2008

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) section 3(c)(7)(a), is acceptable provided the following revisions are incorporated before you release the product for shipment under the amended label:

- 1. In the Personal Protective Equipment (PPE) listing, in the "Mixers and loaders supporting..." paragraph, add "goggle or face shield" after "chemical resistant gloves (except when flagging)". In the "All other mixers..." paragraph add "goggles or face shield" after "socks and shoes".
- 2. Since Table 21 was published in the RED, SRRD has modified the wording in the paragraph headings of the PPE section. Replace "Mixers and loaders supporting aerial applications who are not using engineering controls..." with "All mixers and loaders who are not using engineering controls...".
- In the Engineering Controls section, after the first bullet item "Wear long-sleeved..." add
  as the second bullet "Wear protective eyewear (face shield or goggles), if the system
  operates under pressure".
- 4. Directly under the heading "DIRECTIONS FOR USE" add "RESTRICTED USE PESTICIDE" in bold type.
- 5. Because the use on grapes and vineyards has been deleted, under the heading "SPRAY DRIFT MANAGEMENT", in the first sentence of item number "4" revise "For orchard/vineyard airblast..." to read "For orchard airblast...". In the second sentence revise "...above trees/vines..." to "...above trees...".

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- 6. Under the heading "ADDITIONAL USE RESTRICTIONS", add as the second sentence "If using high pressure hand wand equipment or Rights-of-Way sprayers, reduce the maximum rate of application to 0.005 lb. active ingredient (X fl. oz. of this product) per gallon." [Please insert the correct value for fluid ounces of your product 0.2 fl. oz is correct for your 3 EC, so it presumably would be slightly higher for this 2 EC]
- 7. For airblast application to the crop Apples, the Agency is allowing an exception to the requirement for closed cabs provided maximum PPE is worn. In the Note, after "For airblast application the use of a closed cab is required." add "Exception for airblast application to apples: when application using enclosed-cab airblast equipment is not feasible in apple orchards, applicators are permitted to use open-cab airblast equipment PROVIDED they are wearing chemical resistant headgear AND maximum PPE clothing (i.e., baseline clothing plus organic vapor respirator, coveralls over long sleeved shirt and long pants, chemical resistant gloves, chemical resistant shoes plus socks, and goggles or face shield)."
- 8. For Broccoli and Cabbage, in the Note delete "\*The REI is 4 days, however, the REI is increased to 7 days if these crops are grown for seed.". Also delete the associated asterisk after "REI = 4 days" in the Crop column. The use on these crops grown for seed is only permitted on Special Local Need 24C labels and has distinct use directions and rates as well as the different REI.
- 9. For Collards, in the Note delete "\*The REI is 2 days, however, the REI is increased to 3 days if crop is grown for seed.". Also delete the associated asterisk after "REI = 2 days" in the Crop column. The use on this crop grown for seed is only permitted on Special Local Need 24C labels and has distinct use directions and rates as well as the different REI.
- 10. For Kale, in the Note delete "\*The REI is 2 days, however, the REI is increased to 3 days if crop is grown for seed.". Also delete the associated asterisk after "REI = 2 days" in the Crop column. The use on this crop grown for seed is only permitted on Special Local Need 24C labels and has distinct use directions and rates as well as the different REI.
- 11. For Mustard greens, in the Note delete "\*The REI is 2 days, however, the REI is increased to 3 days if crop is grown for seed.". Also delete the associated asterisk after "REI = 2 days" in the Crop column. The use on this crop grown for seed is only permitted on Special Local Need 24C labels and has distinct use directions and rates as well as the different REI.

- 12. For airblast application to the crop Pears grown in Oregon, Washington, and Idaho, the Agency is allowing an exception to the requirement for closed cabs provided maximum PPE is worn. In the Note, after "For airblast application the use of a closed cab is required." add "Exception for airblast application to pears (OR, WA, and ID only): when application using enclosed-cab airblast equipment is not feasible in pear orchards, applicators are permitted to use open-cab airblast equipment PROVIDED they are wearing chemical resistant headgear AND maximum PPE clothing (i.e., baseline clothing plus organic vapor respirator, coveralls over long sleeved shirt and long pants, chemical resistant gloves, chemical resistant shoes plus socks, and goggles or face shield)."
- 13. Revise the heading "COMMERCIALLY GROWN ORNAMENTALS GROWN OUTDOORS ONLY" with "COMMERCIALLY GROWN ORNAMENTALS GROWN OUTDOORS IN NURSERIES ONLY".
- Include the label revisions for the Storage and Disposal section specified by PR Notice 2007-4, which is available at: <a href="https://www.epa.gov/opppmsd1/PR"><u>www.epa.gov/opppmsd1/PR</u></a> <u>Notices/pr2007-4.pdf</u>

A stamped copy of the label is enclosed for your records. Please submit three copies of the amended labeling bearing the above revisions before you release the amended label for shipment. Please note that acceptance of this amendment does <u>not</u> constitute reregistration of the subject product.

Sincerely,

Dana R. Pilitt

Kimberly Nesci
Product Manager 11
Insecticide Branch
Registration Division (7505P)

# RESTRICTED USE PESTICIDE

Due to acute toxicity to humans, aquatic organisms, and avian species. For retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.



ACCEPTED with COMMENTS In EPA Letter Dated:

JAN 2 2 2009

Under the Federal Insecuerus, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 19713-99

# Endosulfan 2EC

Insecticide

For Agricultural or Commercial Use Only. Not for use or storage in or around residential sites - See DIREC-TIONS FOR USE for prohibited areas.

## ACTIVE INGREDIENT:

Endosulfan ..... 24.6% OTHER INGREDIENTS\*: ..... 75.4% 100.0%

This product contains 2 pounds of Endosulfan per gallon. \*Contains xylene range aromatic solvent.



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

## See FIRST AID Below SHAKE WELL BEFORE USING

EPA Reg. No: 19713-99

EPA Est. No: 19713-GA-001 **Net Content:** 

#### **FIRST AID**

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not give any liquid to the person.
   Do not induce vomiting unless told to do so by a poison control center or
- Do not give anything by mouth to an unconscious or convuising person.

## IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

#### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
   Rinse skin immediately with plenty of water for 15 to 20 minutes.

#### F INHALED:

- Move person to fresh air.

  \* 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 cer a postor or retained of occur or treatment service. There are product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

NOTE TO PHYSICIAN: Endosullan is a central nervous system attinuiant absorbable by mouth, inhalation or through contact with skin, it may cause consulsions. There is no specific articlote. Diazepam I.V. is the drug of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuromuscular blocking agent may be used if convasions persist. This type of drug may be used only if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated. This formats contains petroleum hydrocarbons (bytene range aromatic solvent). Care should be taken to prevent aspiration because of the possibility of chemical pneumonia or pulmonary edeme due to the organic solvent in the formulation.

Probable mucosal damage may contraindicate the use of gastric lavage

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals DANGER: Fatal if swellowed, inhaled, or absorbed through skin. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Pro-longed or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after

handling and before eating, drinking, chewing gum, or using to-bacco. Wear appropriate protective clothing listed below. Remove and wash contaminated clothing before reuse.

Do not contaminate food or feed. Keep out of reach of domestic animals. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Some materials that are chemical-resistant to this product are barrier laminate or viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category se-

All handlers except those using engineering controls must wear:

Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pasticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an (OV) cartridge or a canister with any R, P or HE

## ADDITION:

Mixers and loaders supporting serial applications who are not using engineering controls (see engineering requirements be-

using engineering controls (see engineering requirements be-low), handlers supporting or using high pressure handwand equipment and flaggers must wear:

Coveralls over long-sleeved shirt and long pants, chemical-re-sistant footwear plus socks, chemical-resistant gloves (except when flagging), chemical-resistant head gear when exposed overhead, and chemical-resistant apron when mixing and loading.

All other mixers, loaders, applicators, and handlers must wear:

• Long-sleeved shirt and long pants, socks and shoes, chemical-resistant gloves except, for applicators using enclosed cabs or cockpits, chemical-resistant apron when mixing and loading, apcockpits, chemical-resistant apron when mixing and loading, applying dips, cleaning up spills or cleaning/repairing equipment, and a respirator of the type specified above for all handlers except for those using engineering controls.

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.

Discard clothing and other absorbent materials that have been drenched the outletter and the controlled.

or heavily contaminated with this product's concentrate. Do not re-

Manufactured By **Drexel Chemical Company** P.O. BOX 13327, MEMPHIS, TN 38113-0327 STREE 1972

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## **ENGINEERING CONTROLS**

Mixers and loaders supporting aerial applications at the rate of more than 1.5 ibs. al. per acre or supporting applications to Cotton must use a closed system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural posticides (40 CFR 170,240(d)(4)) for dermal and inhalation protection, and must:

- Wear long-sleeved shirt, long pants, shoes, socks, chemical-resistant gloves and chemical-resistant apron,
- Be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown: cover nical-resistant footwear, and the type of respirator specified in

Applicators using airblast equipment on all crops except ornamental trees and shrubs must use an enclosed cab that meets the definition in the WPS for agricultural pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, such applicators must:

- Wear the personal protective equipment required in the PPE section of this labeling,
- Either wear the type of respirator specified in the PPE section of this labeling or use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as the type of respirator specified in the PPE section of this labeling.
- Be provided and must have immediately available for use in an emergency when they must exit the cab in the treated area: coveralis, chemical-resistant gloves, chemical-resistant footwear, chemical-resistant headgear, if overhead exposure, and, if using an enclosed cab that provides respiratory protection, a respirator of the type specified in the PPE section of this labeling,
- Take off any PPE that was worn in the treated area before reentering the cab, and
- Store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

Pilots must use an enclosed cockpit in a manner that meets the quirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6))

When handlers use closed systems and enclosed cabs, in a manner that meets the requirements listed in the 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

## USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the tollet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic invertebrates and toxic to birds and mammals. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mak. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. See Spray drift management instructions under DIRECTIONS FOR USE. Do not contaminate water when disposing of equipment wash waters or rinsate.

CHEMICAL AND PHYSICAL HAZARDS
Combustible. Do not use, pour, spill or store near heat or open

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its tabeling. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM. This product is not intended for use in CA. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only pro-tected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Pert 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agri-

## AGRICULTURAL USE REQUIREMENTS (Con'L)

cultural 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 re-stricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI.

Exception: If the product is soil-injected or soil-incorporated, the WPS, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemi-cal-resistant gloves made of any waterproof material, protective eyewear, and shoes plus socks.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

#### **GENERAL INFORMATION**

Not for use or storage in or around residential sites, including, homes, non-agricultural outbuildings, non-commercial greenhouses, recreational vehicles, preschools, day care centers, and not for application to humans and pets. Apply the listed amount per acre when insects first appear and repeat as required, unless otherwise noted, to maintain effective control. Use in sufficient water for thorough coverage of listed crops, unless otherwise noted. Coverage of upper and lower leaf surfaces is essential for good control. For ground application, apply recommended amount of pesticide in a minimum of 10 gallons of water per acre on vegetable or row crops, unless otherwise noted. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon of finished spray per acre on vegetable and field crops, unless otherwise noted, and a minimum of 20 gallons of finished spray per acre on fruit and nut trees and on vines. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of this product used. Do not plant root crops other than Carrots, Potatoes, Sweet potatoes and Sugar beets as follow-up crops. Observe days interval between last application and harvest.

### SPRAY DRIFT MANAGEMENT

- 1. 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, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

  2. A 30 ft. vegetative buffer strip must be maintained between all areas
- treated with this product and rivers, natural pands, lakes, streams, eservoirs, marshes, estuaries and commercial fish ponds
- For ground boom applications, do not apply within 100 feet of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. 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 agray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.
- For orchard/vineyard airblast applications, do not apply within 100 feet of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. Direct spray above trees/ vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3 to 10 mph as measured by an anemometer outside of the orchard/vineyard on the upwind side.
- For aerial applications, do not apply within 300 feet of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. 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 to 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.
- The applicator also must use all other measures necessary to control

## ADDITIONAL USE RESTRICTIONS

The use of high pressure hand wand on all sites except for Bark treatment or Tobacco drench is prohibited.

## REI = Restricted Entry interval

Crop	Pests	Rate of Application	PHI (Days)
Almonds	(Early infestion of): Peach telg borers	4 qts. per acre	58
REI = 2 days	SPECIFIC DIRECTIONS petal fail for control of ea minimum of 200 gals. of gals. per scre (concentre use 1 qt. per 100 gals. o	rly season infestation. water per acre (dilute ste). For areas loss th	Use in a

MOTE: Do not graze investock on orchard crops or grasses in treated areas. Treated trais may be ted to investock and dairy artimats. Do not make more than 1 application per season. Do not exceed a maximum of 2 lbs. of active ingredient (i.e., 4 qis.) per acre per season. For eithest application the use of a closed cab is required. For airbitant application the use of a closed midding system is required.

Apples	Apple aphids, Apple rust mites, Rosy apple aphids	1 qt. per 100 gats. of water or a maximum of 5 qts. per acre	21
REI = 2 days	SPECIFIC DIRECTIONS: A feeding is noticed, if necess 12 qts. per 100 gals. to con apple aphids.	sary, prior to petal to	ili, use

NOTE: Do not feed pomace from treated Apples to Ilvestock. Do not feed out fruits to arrimsts or allow livestock to graze in treated orchards. Do not make more than 2 applications during the fruiting period. Do not make more than 3 applications per year. Do not exceed a maximum of 2.5 libs. of active ingredient (i.e., 5 quarts) per acre per season.

For airbitist application the use of a closed cab is required.

For serial application the use of a closed mixing/loading system is required.

Apricots, Peaches, Nectartnes	Black cherry aphids, Black peach aphids, Catfacing insects, Green peach aphids, Peach strip mites, Peach turig borers, Rusty plum aphids	1 qt. per 100 gale. of water or a medimum of 5 qts. per acre	30
	SPECIFIC DIRECTIONS: A feeding is noticed.	pply when posts ap	pear or
·	Lesser peach tree borers, Peach tree borers	1.5 qts. per 100 gals. of water or a maximum of	21

, .		per 100 gals. of water	
REI = 2 days	SPECIFIC DIRECTIONS: 8 a single application post-he September. Spray all bank a lower scatfold limbs.	rvest during the fire	t week of

NOTE: Do not feed cull fruits or allow livestock to graze in treated areas. Do not make more than 2 applications per year. Do not exceed 2.5 lbs. of active ingredient (i.e., 5 qts.) per acre per season.

For eintitiat application the use of a closed cab is required.

For serial application the use of a closed mixing/louding system is required.

Beans (Dry)	Black been sphids, Bean leaf skeletorizers, Cucumber beefes, Green stink bugs, Mexican bean beefes	1 to 2 qts. per acre,	3
	Western bean cutworms	2 qts. per acre	
REI = 2 days	SPECIFIC DIRECTIONS: Appleeding is noticed.	ply when pests ap	pear or

NOTE: Do not feed treated threshings or allow livestock to graze in treated fields. Do not use on Lime bears as plant injury may occur. Do not make more than 2 applications per season. Do not exceed a maximum of 2 lbs. of active ingredient (i.e., 4 qts.) per acre per season.

	Pests	Rate of Application	PHI (Days)
Crop Blueberries	Blueberry bud mites	3 qts. per scre in 300 gats.	(J-)
		of water	1-4-1.
REI = 6 days	SPECIFIC DIRECTIONS: Apparter harvest and repeat 6 to 8	8 weeks later.	
applications per sei ingredient (i.e., 3 qt	y after buds are well formed, D ason, Do not exceed a maxim. s.) per acre per season. on, the use of a closed mixing?	ım of 1,5 <b>i</b> bs. of ac	tive
Brocceli, Cabbage	Cabbage aphids,	1.5 to 2 qts.	7
	Cabbage loopers, Cross- striped cabbageworms,	per acre	
	Diamondback moth lanee, Fies beetles, Harlequin		
	bugs, imported cabbageworms, Stink bugs		
	Armyworms, Culworms	2 qts. per acre	<u> </u>
REI = 4 days*	SPECIFIC DIRECTIONS: Appleeding is noticed.	ply when pests app	ear or
maximum of 2 lbs.	te more than 2 applications per of active ingredient (i.e., 4 qts.) over, the RE(is increased to 7	per acre per seas	ort. "The
Brussels sprouts, Cauliflower	Cabbage aphids, Cabbage loopers, Cross-striped	1.5 to 2 qts. per acre	14
	cabbageworms, Diamond- back moth larvae, Flea		
	beetes, Harlequin bugs, Imported cabbageworms,	Í	1
	Stink bugs	2 etc per per	
REI = 4 days	Armyworms, Cutworms SPECFIC DIRECTIONS: Appleeding is noticed.	2 qts. per acre ply when pests app	ear or
NOTE: Do not mai	te more than 2 applications per of active ingredient (i.e., 4 qts.)	r season. Do not	exceed a
Carrots	Green peach aphids	1 to 2 qts.	7
REI = 2 days	SPECIFIC DIRECTIONS: Ap	per acre ply when pest appo	ars or
NOTE: Do not use	feeding is noticed. tops for food or feed. Do not e (i.e., 4 qts.) per acre per seas		of 2 bs.
Celery	Green peach aphids	1 qt. per acre	4
-	SPECIFIC DIRECTIONS: Ap feeding is noticed. Do not maper season.		
	Green peach aphids	1 qt. per acre	7
DEL - 2 des	SPECIFIC DIRECTIONS: Appleeding is noticed. Do not ma	ply when pests app like more than 2	eer or
RE1 = 2 days NOTE: Do not exc	applications per season.  sed a maximum of 1 b. of active.	e ingredient (i.e.,	? qts.)
per acre per seaso Chemies	n. Black cherry aphids, Plum	1	21
Cilculas	rust (nursery) mites	1 qt. per 100 gats, of water or 4 to 5 qts. per acre	2'
	SPECIFIC DIRECTIONS: Appleeding is noticed. Mineola me per 100 gals. of water. Apply	ioths (MI only) - Us	e 2 qts.
REI = 2 days	period.		
orchards. Do not m meximum of 2,5 ibs For airbinst applica	our nuis to entrings or come alte more than 2 applications p . of active ingredient (i.e., 5 qu fion the use of a closed cab is on the use of a closed mixing/k	er year. Do not ex s.) per acre per se: required.	ceed a sson.
Collerds .	Cabbage loopers, Diamondback, moth larvee, Harlequin bugs, Imported cabbageworms	1.5 to 2 qts. per acre	21
REI = 2 days*	SPECIFIC DIRECTIONS: Appleeding is noticed.	ply when posts app	ear or
NOTE: For all uses	, do Do not make more than t num of 1 lb. of active ingredien	application per yet.	ar. Do
	2 days, however, the REI is in		

Crop	Pests	Rate of Application	PHI (Days)
otton IZ, NM, OK, and X only)	Boli weevils	Ground: 1 to 3 qts. per acre	-
		Air: 1.5 qts. per acre	
	Bolworms, Cabbage loopers, Cotton leaf	Ground: 2 to 3 qts.	
	perforators, Lygus bugs, Stink bugs	per acre Air: 1.5 qts. per acre	
	Thrips	Ground: 3 qts. per acre Air: 1.5 qts. per acre	
REI= 2 days	SPECIFIC DIRECTIONS: Ap	ply when pests app	ear or
igher rate should to oils are open. Do take more than 2 : traced a maximum eason. For aerfal igredient (i.e., 3 qi or aerfal applicat or airbitast applica	s may be made using ground in ee used under heavy pest pres not graze dairy or meat animal applications per season. For g of 2 bs. of active ingredient ( application, do not exceed an s.) per season. on, the use of a closed mixing/ ition the use of a closed cab is pressing is permitted. Hand this pressing is permitted. Hand this	sure. Do not apply is in treated fields. round application, i.e., 4 qts.) per acrusadmum of 1.5 lbs. loading system is required.	after the Do not do not a per of active equired.
Cucumbers, Melons, Summer	Aphids, Cucumber beetles, Striped flea beetles,	1 to 2 qls. per scre	2
vielons, Summer and Winter Equash	Meionworms, Pickieworms, Rindworms (on	hei acia	
	Watermelons), Squash beetles, Squash bugs, Squash vine borers		
	Cabbage loopers, Omnivorous leafrollers	2 qts. per acre	
EI = 2 days	SPECIFIC DIRECTIONS: Ap feeding is noticed. For Squar weekly to flower buds, stems moths first appear.	sh vine borer contro and vines beginning	ol, apply ng when
naximum of 2 lbs.	e more than 4 applications pe of active ingredient (i.e., 4 qts.)	per agre per seas	on.
ggplant	Blister beetles, Colorado potato beetles, Flea beetles, Green peach aphids, Green stink bugs, Whitefles	1 to 2 qts. per acre	1
REI = 2 days	SPECIFIC DIRECTIONS: Ap	ply when pests app	ear or
	do not make more than 2 ap active ingredient (i.e., 4 qts.)		
ale	Flea beetles, Hadequin bugs, Imported cabbageworms	1.5 qts. per acre	21
RE! = 2 days*	SPECIFIC DIRECTIONS: Appleeding is noticed.	ply when pests app	ear or
ot exceed a maxin	, do Do not make more than thum of 0.75 lb. of active ingred El is 2 days, however, the REI	lent (i.e., 1.5 qts.)	per acre
ettuce	Cabbage loopers, Green peach aphids, Diamond- back moth larvae, Imported cabbageworms	1.5 to 2 qts. per acre	14
REI = 2 days	SPECIFIC DIRECTIONS: Appleeding is noticed.	ply when pests app	ear or
temove wrapper le capplications per s to not exceed a m	<u>tuce:</u> Do not make more than aves at harvest. <u>On Leaf lettuc</u> easen. For all uses, do not fe audmum of 2 lbs. of active ingre	ed crop refuse to li	vestock.
temove wrapper le applications per s	aves at harvest. On Leaf lettuc eason. For all uses, do not fe	ed crop refuse to li	vestock.

Crop	Pests	Rate of Application	PHI (Days
Peara	Consperse stink bugs (Soil treatment)	1 qt. per 100 gals. of water or 5 qts. per 200 to 400	7
	SPECIFIC DIRECTIONS: Ap		nd
	ground around trees prior to Consperse stink bugs	1 qt. per 100 gals.	7
	(Foliar treatement)	of water or 4 to 5 qts. per acre	
	NOTE: Stink bugs must be a	wet by spray to obtain	control.
	Pear rust mites	1 qt. per 100 gais. of water or 5 qts. per acre	7
	SPECIFIC DIRECTIONS: Appleeding is noticed.	oply when pests appe	ar or
	Pear leaf blister mites	0.5 to 1 qt. per 100 gals. of water or 5 qts. per acre	7
	SPECIFIC DIRECTIONS: Apor dormant treatment.		t-harves
	Peer psylla	5 qts. per acre	7
REI = 2 days	SPECIFIC DIRECTIONS: Ap of water for aerial application dilute application. Apply whe nymphs are small and repea	n or in 300 gals, of wa n adults are first obse	ater for
orchards. Do not qts.) per acre pe control and shou For aerial applic	sed cull fruits to animals or allo exceed a maximum of 2.5 lbs or season. Aerial application of id only be employed if impossi- ation, the use of a closed mixin	. of active ingredient hay not result in satisfi ble to apply be groun ng/loading system is p	(i.e., 5 actory d.
Peas, dry	Pea aphids, Pea weevils	1 to 2 qts.	5
(except seed crop)		per acre	ļ
(Northwest Only) REI = 2 days	SPECIFIC DIRECTIONS: Appending is noticed.	pply when pests appe	ar or
(Northwest Only) REI = 2 days NOTE: Use only vines or threshin not make more t	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestoc han 2 applications per season	ombine. Do not feed ok to graze treated fie Do not exceed a m	treated
(Northwest Only) REI = 2 days NOTE: Use only vines or threshin not make more t	feeding is noticed.  on Peas to be harvested by c	ombine. Do not feed ix to graze treated fie . Do not exceed a m re per season.	treated
(Northwest Only) REI = 2 days NOTE: Use only vines or threshin not make more t of 2 lbs. of active	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestock han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetles, Green peach aphids, Hornworms,	ombine. Do not feed ix to graze treated fie Do not exceed a m re per season. 1 to 2 qts. per acre	treated lds. Do aximum
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not not not not not not not no	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestoc han 2 applications per season b ingredient (i.e., 4 qts.) per ac Flea beatles, Green peach aphtids, Hormworms, Pepper maggots SPECIFIC DIRECTIONS: Ag feeding is noticed.  take more than 2 applications	ombine. Do not feed it to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre  oply when pests appe	treated lds. Do aximum 4
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not not not not not not not no	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investor han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetles, Green peach aphids, Hornworms, Pepper maggots  SPECIFIC DIRECTIONS: Aj feeding is noticed.	ombine. Do not feed it to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre  pply when pests apper per season. Do not its.) per acre per season.	treated ids. Do eximum 4
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not meximum of 2 lbs.	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestoc han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beatles, Green peach aphids, Hormworms, Pepper maggots  SPECIFIC DIRECTIONS: Al feeding is noticed.  nake more than 2 applications s, of active Ingredient (i.e., 4 q	ombine. Do not feed ix to graze treated fie. Do not exceed a m re per season.  1 to 2 qts. per acre  pply when pests appe per season. Do not ets.) per acre per season.	treated lds. Do aximum 4 ar or exceed exceed exceed
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not meximum of 2 lbs.	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investochan 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetiss, Green peach aphids, Hornworms, Pepper maggots  SPECIFIC DIRECTIONS: All feeding is noticed.  nake more than 2 applications a. of active ingredient (i.e., 4 qts.)  Peach tree borers  SPECIFIC DIRECTIONS: Basingte application post-harve September. Spray all bark air	ombine. Do not feed ix to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre pply when pests appe ts.) per season. Do not ts.) per acre per season. 1 to 1.5 qts. per 100 gats. of water or 4 to 5 qts. per acre sest control is obtained at during the first weet	ar or exceed son.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not n maximum of 2 lb  Plums, Prunes  REI = 2 days  NOTE: Do not a treated areas. 0 5 qts.) per acre p 5 qts.)	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investochan 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetiss, Green peach aphids, Hornworms, Pepper maggots  SPECIFIC DIRECTIONS: As feeding is noticed.  nake more than 2 applications a, of active ingredient (i.e., 4 qts.)  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bark at scaffold limbs.  low livestock to graze on orch to not exceed a maximum of 2 per season.	ombine. Do not feed ix to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre per season. Do not exceed to to 2 qts. per acre per season. Do not ets.) per acre per season for acre per season for acre per season for acre per acre est control is obtained at during the first weares from ground level and crops or grasses 5 lbs. of active ingred	ar or  with a sk of st to lower in
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not maximum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treat of a control of a control on the state of a control of	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investoc han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beatles, Green peach aphids, Hornworms, Pepper maggota SPECIFIC DIRECTIONS: An feeding is noticed.  ake more than 2 applications s. of active ingredient (i.e., 4 q  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bank as scaffold limbs.  liow livestock to graze on orch o not exceed a maximum of 2.	ombine. Do not feed it to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre per season. Do not exceed a mre per season. Do not exceed a mre per season. Do not ts.) per acre per season. Do not ts.) per acre per season field to 1.5 qts. per 100 gats. of water or 4 to 5 qts. per acre exceed touring the first week eard crops or grasses 5 tbs. of active ingred its required.	treated ids. Do aximum  4  ar or  axceed ion.  7  with a sk of to lower in lient (i.e.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not maximum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treat of a control of a control on the state of a control of	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestoc han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beatles, Green peach aphids, Hornworms, Pepper maggota  SPECIFIC DIRECTIONS: An feeding is noticed.  nake more than 2 applications s. of active ingredient (i.e., 4 q  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September, Spray all bank as scaffold limbs.  Bow livestock to graze on orch o not exceed a maximum of 2. per season. ication the use of a closed cab ation the use of a closed cab	ombine. Do not feed it to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre per season. Do not exceed a mre per season. Do not exceed a mre per season. Do not ts.) per acre per season. Do not ts.) per acre per season field to 1.5 qts. per 100 gats. of water or 4 to 5 qts. per acre exceed touring the first week eard crops or grasses 5 tbs. of active ingred its required.	ar or  with a sk of d to lower in lient (i.e.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to of 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not meatmum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treated areas, Do qts.) per acre   For airblast applic	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestock han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetles, Green peach aphtids, Hornworms, Pepper maggots SPECIFIC DIRECTIONS: Ap feeding is noticed.  nake more than 2 applications s. of active ingredient (i.e., 4 q  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bank as scaffold limbs.  Bow livestock to graze on orch o not exceed a maximum of 2 per season. Ication the use of a closed cab ation the use of a closed mixin  Aphtids, Armyworms, Coto- rado potato beetles, Green stink bugs, Leat-footed	ombine. Do not feed ix to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre pply when pests appe ts.) per acre per season. Do not its.) per acre per season. The not its.) per acre per season at 1 to 1.5 qts. per 100 gats. of water or 4 to 5 qts. per acre seas from ground leve and crops or grasses 5 tbs. of active ingred its required. It is required. It is a quired. It to 2 qts.	ar or  with a sk of d to lower in lient (i.e.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to of 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not meatmum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treated areas, Do qts.) per acre   For airblast applic	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investochan 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beatles, Green peach aphids, Hornworms, Pepper maggots  SPECIFIC DIRECTIONS: An feeding is noticed.  nake more than 2 applications at of active ingredient (i.e., 4 qts.)  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bark as scaffold limbs.  Bow livestock to graze on orch on not exceed a maximum of 2 per season.  Aphids, Armyworms, Colorado potato beatles, Green stink bugs, Plant bugs, Potato leafnoppers, Potato	ombine. Do not feed ix to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre pply when pests appe ts.) per acre per season. Do not its.) per acre per season. The not its.) per acre per season at 1 to 1.5 qts. per 100 gats. of water or 4 to 5 qts. per acre seas from ground leve and crops or grasses 5 tbs. of active ingred its required. It is required. It is a quired. It to 2 qts.	ar or  with a sk of d to lower in lient (i.e.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to of 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not meatmum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treated areas, Do qts.) per acre   For airblast applic	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow investochan 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetles, Green peach aphids, Hornworms, Pepper maggots  SPECIFIC DIRECTIONS: As feeding is noticed.  nake more than 2 applications a of active ingredient (i.e., 4 qts.)  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bank as scaffold limbs.  Sow livestock to graze on orch on the use of a closed cabeton the use of a closed mixin Aphids, Armyworms, Cotorado potato beetles, Green saink bugs, Leaf-footed bugs, Plant bugs, Potato leafhoppers, Potato leafhoppers, Potato tuberworms, Three-lined potato beetles, European com borers,	combine. Do not feed it to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre per season. Do not to 2 qts. per acre per season. Do not to 3 per acre per season. Do not to 5 qts. per acre set control is obtained at during the first were set control is obtained at during the first were set from ground level and crops or grasses 5 lbs. of active ingred is required. ghoading system is made to 2 qts. per acre	ar or  with a sk of d to lower in lient (i.e.
(Northwest Only)  REI = 2 days  NOTE: Use only vines or threshin not make more to of 2 lbs. of active Peppers  REI = 2 days  NOTE: Do not not not meatmum of 2 lb. Plums, Prunes  REI = 2 days  NOTE: Do not a treated areas, Do qts.) per acre   For airblast applic	feeding is noticed.  on Peas to be harvested by c gs to livestock or allow livestoc han 2 applications per season ingredient (i.e., 4 qts.) per ac Flea beetles, Green peach aphids, Hornworms, Pepper maggota  SPECIFIC DIRECTIONS: An feeding is noticed.  nake more than 2 applications s. of active ingredient (i.e., 4 q  Peach tree borers  SPECIFIC DIRECTIONS: Be single application post-harve September. Spray all bank as scaffold firmbs.  Bow livestock to graze on orch on texceed a maximum of 2 per season. Increasing the use of a closed cab ation the use of a closed mixin Aphids, Armyworms, Coto- radio potato beetles, Green stink bugs, Leat-footed bugs, Plant bugs, Potato flea beetles, Ortato flea beetles, Ortato flea beetles, Trree-lined potato beetles European com borers, Potato psyliid False chinch bugs,	ombine. Do not feed ix to graze treated fie. Do not exceed a mre per season.  1 to 2 qts. per acre per season. Do not exceed a mre per season. Do not its.) per acre its of water or 4 to 5 qts. per acre its control is obtained at during the first weeres from ground level and crops or grasses 5 tbs. of active ingred its required. Its required. Its required. It is acre its required.  1 to 2 qts. per acre  1.5 to 2 qts. per acre  2 qts. per acre	ar or  awith a sk of d to lower in lient (i.e.

Crop	Pests	Rate of Application	PHI (Days)
Pumpkins	Aphids, Cucumber beetles,	1 to 2 qts.	2
	Squash vine borers	per acre	L
	SPECIFIC DIRECTIONS: Apply feeding is noticed. For Squash	vine borer control, app	ly weekly
REI = 2 days	to flower buds, stems and vines appear.	beginning when moths	i firet
not exceed a	i uses, do not make more than 4 maximum of 2 lbs. of active ingre		
season. Strawberries	Meadow spittlebugs, Strawberry aphids, Tamished	1 qt. per 100 gals. or 2 qts. per scre	4
	plant bugs	<u> </u>	L
	SPECIFIC DIRECTIONS: Apply water per acre. Apply when per noticed. Do not reapply within 1	sts appear or feeding is	3
	during a 35-day period when fro	it is present.	
	Cyclamen mites	2 cts, per acre in 400 gats, of water	
REI = 2 days	SPECIFIC DIRECTIONS: Applies noticed. Thoroughly wet the fiplant. For multiple applications, then 35 days when full is present.	ollage, stem and crown do not apply at interval	of the
NOTE: Do no	t make more than 2 applications	per season. Do not ex	a beec
For aerial app	ths, of active ingredient (i.e., 4 or increased mixing	s.) per acre per seaso g/loading system is req	n. uired.
Sweet com (Fresh vegetable	Com earworms SPECIFIC DIRECTIONS: Make	3 qts. per acre a single application w	1 hen slike
use only)	first appear. Com leaf aphids	2 qts. per acre	1
REi = 17 days	SPECIFIC DIRECTIONS: Apply is noticed.	when pests appear or	feeding
NOTE: Do no	t apply to Sweet com to be proce lage to livestock or allow livestoc	ssed. Do not feed trea	ted
not make mon	e than 1 application per season. (	N to graze in treated he Do not exceed 1.5 lbs.	of active
ingredient (i.e. For aerial app	, 3 qts.) per acre per season. Ilcation, the use of a closed mixir	nAcadina evetem is me	
		Annamia diamente la tac	Justeo.
	Sweet potato fiee beetles	1 qt. per acre	1
	Sweet potato fine beetins SPECIFIC DIRECTIONS: Begin	1 qt. per acre applications shortly af	1
	Sweet potato fiee beetles SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie- Banded cucumber beetle	1 qt. per acre applications shortly at a bestiss appear. 2 to 4 qts. per acre	1
	Sweet potato flea beetles SPECIFIC DIRECTIONS: Begin transplanting or as soon as Flea	1 qt. per acre n applications shortly af a beetles appear. 2 to 4 qts. per acre broadcast or 0.68 to	1 ter
Sweet potatoes	Sweet potato fice beeties SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fice Banded cucumber beetie larvae (aids in control)	1 qt. per acre applications shortly af a beefes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row	1 ter
	Sweet potato flea beefins SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fine Banded cucumber beefin travee (sids in control) (South Central States Only)	1 qt. per acre applications shortly af a beatis appear. 2 to 4 qts. per acre broadcast or 0.66 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing)	ter 1
	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as File Banded cucumber beetle larvee (sids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making	1 qt. per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth	ter 1
REI = 3 days NOTE: Do not treated fields.	Sweet potato flee beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fies Banded cucumber beetle larvee (aids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work	1 qt per acre applications shortly af a beates appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just allow livestock to graz stions per season. Do	of prior to
REI = 3 days NOTE: Do not treated fields.	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as File Banded cucumber beetle larvee (sids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. feed cull potatoes to livestock or Do not make more than 2 applic	1 qt per acre applications shortly af a beefes appear. 2 to 4 qts. per acre broadcast or 0.66 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just railow livestock to graz ations per season. Do t (i.e., 4 qts.) per acre ;	of prior to se in not per
REI = 3 days NOTE: Do not reated fields spaced a max season. Fotbacco (N, KY, OH,	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie Banded cucumber beefe larvee (sids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. fleed cull potations to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien lication the use of a closed mixin Budworms, Cabbage loopers, Fiea beefles, Green peach	1 qt per acre applications shortly af a beefes appear. 2 to 4 qts. per acre broadcast or 0.66 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just railow livestock to graz ations per season. Do t (i.e., 4 qts.) per acre ;	of prior to se in not per
REI = 3 days NOTE: Do not treated fields.	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as File Banded cucumber beetle larve (side in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. I feed cull potatoes to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien lication the use of a closed mibrin Budworms, Cabbage loopers, Fica beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply	1 qt per acre applications shortly af a beefes appear. 2 to 4 qts. per acre broadcast or 0.66 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just r allow livestock to grazations per season. Do t (i.e., 4 qts.) per acre ; ploading system is req Field: 1 to 2 qts. per acre	of prior to e in not per ufred.
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie Banded cucumber beefe larvee (aids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. feed cull potations to livestock or Do not make more than 2 applica mum of 2 lbs. of active ingredien ication the use of a closed mixin Budworms, Cabbage loopers, Fiea beefles, Green peach aphids, Hornworms SPECFIC DIRECTIONS: Apply is noticed. Budworms, Cabbage loopers, Budworms, Cabbage loopers,	1 qt per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just a single treatment just allow livestock to graz ations per season. Do t (1.e., 4 qts.) per acre plicating system is req Field: 1 to 2 qts. per acre when pests appear or	of prior to e in not per ufred.
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as File Banded cucumber beetle larve (side in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 inches making plant set. I feed cull potaloes to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien ication the use of a closed mbrin Budworms, Cabbage loopers, Filea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply (is noticed. Budworms, Cabbage loopers, Filea beetles, Green peach aphids, Hornworms	1 qt per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) Into the soil to a depth a single treatment just relious per season. Do t (i.e., 4 qts.) per acre ploading system is req Field: 1 to 2 qts. per acre when pests appear or Seed Bed: 1 qt. per 100 gals. of weter	of prior to e in not per ufred.
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie- Banded cucumber beetle lanee (sids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. I feed cull potatoes to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien ication the use of a closed mbrin Budworms, Cabbage loopers, Fiea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply its noticed. Budworms, Cabbage loopers, Fiea beetles, Green peach	1 qt per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) Into the soil to a depth a single treatment just a single treatment just fallow livestock to graz ations per season. Do t (i.e., 4 qts.) per acre ; shoading system is req ploading system is req when pests appear or Seed Bed: 1 qt. per 100 gals, of weter about 6 gals, of finishe	of too of
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie Banded cucumber beefe larvee (aids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. feed cull potations to fivestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien lication the use of a closed mixin Budworms, Cabbage loopers, Fiea beefles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply its noticed. Budworms, Cabbage loopers, Fiea beefles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply per 100 sq. yds. Apply when pe	1 qt per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) Into the soil to a depth a single treatment just a single treatment just fallow livestock to graz ations per season. Do t (i.e., 4 qts.) per acre ; shoading system is req ploading system is req when pests appear or Seed Bed: 1 qt. per 100 gals, of weter about 6 gals, of finishe	of too of
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie Banded cucumber beetle lande (sids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. teed cull potations to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien lication the use of a closed mixim Budworms, Cabbage loopers, Fiea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply its noticed. Budworms, Cabbage loopers, Fiea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply per 100 sq. yds. Apply when pe noticed. Green June bug larvae  SPECIFIC DIRECTIONS: Drenk SPECIFIC DIRECTIONS: Drenk	1 qt per acre applications shortly af a beefes appear. 2 to 4 qts. per acre broadcast or 0.66 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) into the soil to a depth a single treatment just allow livestock to graz attors per season. Do t (1.e., 4 qts.) per acre i ploading system is req ploading system is req ploading system is req when pests appear or should gate, of finishe sts appear or feeding i Plant Bed: 0.5 qt. per 100 gats. of water th at a rate of 1 gat. per	of terminal of ter
REI = 3 days NOTE: Do not reated fields. second a maxis season. For aerial appl Robacco (N. KY, OH, PA, TN, and	Sweet potato flea beefes SPECIFIC DIRECTIONS: Begin transplanting or as soon as Fie Banded cucumber beefe lanvee (aids in control) (South Central States Only)  SPECIFIC DIRECTIONS: Work approximately 3 Inches making plant set. fleed cull potatoes to livestock or Do not make more than 2 applic mum of 2 lbs. of active ingredien ication the use of a closed mixin Burkworms, Cabbage loopers, Fiea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply is noticed. Budworms, Cabbage loopers, Fiea beetles, Green peach aphids, Hornworms SPECIFIC DIRECTIONS: Apply per 100 sq. yds. Apply when pe noticed. Green June bug lanvae	1 qt per acre applications shortly af a beetes appear. 2 to 4 qts. per acre broadcast or 0.68 to 1.33 qts. per acre in a 16 inch band over the row (48 inch row spacing) Into the soil to a depth a single treatment just a single treatment just felicit allow free season. Do t (i.e., 4 qts.) per acre in ploading system is req ploading system is req when pests appear or Seed Bed: 1 to 2 qts. per acre when pests appear or Seed Bed: 1 qt. per 100 gals, of wetter about 6 gals, of finishe sts appear or feeding is Plant Bed: 0.5 qt. per 100 gals, of wester that a rate of 1 gal. pe- dring is noticed.  Fleid:	of terminal of ter
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Crop	Pests	Rate of Application	PHI (Days)
Tomatoes (Field & Greenhouse)	Blister beetles, Colorado potato beetles, Flea beetles, Green peach aphids, Tornato hom- worms	1 to 2 qts. per acre	2
	Tomato fruitworms, Tomato russet mites, Yellow- striped armyworms	2 qts. per acre	
	Cabbage loopers, Stink bugs	2 qts. per acre	
	Writefiles	1 qt. per 100 to 200 gais. of water per acre	
REI = 2 days	SPECIFIC DIRECTIONS: A feeding is noticed.	pply when pests appe	ar or

## COMMERCIALLY GROWN ORNAMENTALS GROWN OUTDOORS ONLY

## Ornamental Trees and Shrubs (REI = 2 days)

Use Restriction: Do not apply more than 2.5 lbs. a.i. (5 qts. of this product) per acre per application on ornamental trees and shrubs.

Crop	Pests	Rate of Application
Pines (Austrian, Jack, Red, Scotch, White)	Zimmerman pine moths	1 qt. per 100 gals, of water
	SPECFIC DIRECTIONS: Apply in mid-April and egain, if necessary, in late Fall. Thoroughly wet bank and main stem, especially where branches join the main stem.	
NOTE: Do not exceed per acre per year.	a maximum of 3 lbs. of active	ingredient (i.e., 6 qts.)
	a maximum of 3 lbs. of active Spruce gall aphids	1 qt. per 100 gals. of water

ì	NOTE: Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.)
	per acre per year.
B	

Сгор	Pests	Rate of Application
Box elder	Box elder bugs	1 qt. per 100 gals. of water (2 tsps. per gal.)
	SPECIFIC DIRECTIONS: Spray foliage and trunk when insects first appear. Repeat as required in late Summer or Fall. Spray tree trunks, outside walls, fences and other places where bugs congregate.	
after use in measurin	s such as spoons must not be us g pesticides. Do not exceed a n , 6 qts.) per acre per year.	
Dogwood, Lilac	Dogwood borers, Lilac borers	1 qt. per 100 gals, of water
	SPECIFIC DIRECTIONS: Apply in early June and repeat in 10 to 14 days, Drench all bank areas down to the ground level.	
NOTE: Do not excee per acre per year.	ed a maximum of 3 fbs. of active	ingredient (i.e., 6 qts.)
Tabous	Taxus bud mites	1 qt. per 100 gais. of water
	SPECIFIC DIRECTIONS: Make 3 to 5 applications begining in mid-May. Thoroughly spray follage, twigs and bark.	
NOTE: Do not excee per acre per year.	ed a maximum of 3 lbs. of active	ingredient (i.e., 6 qts.)

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled follow

- 1. Contain spill, absorb with a material such as sawdust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with soap and water to remove remaining pesticide.
- 4. Follow washing with soap and water to remove remaining pesticide.
- 5. Place a leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
- 6.Do not allow runoff to enter sewer.
- 7. Dispose of waste as indicated below:

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess posticide, 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 DISPOSAL: Metal Containers - Triple rinse (or equivalent).

by burning. If burned, stay out of smoke.

## **WARRANTY—CONDITIONS OF SALE**

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, the Manufacturer or the Seller shall not be liable for consequential, special or indirect damages resulting from the use of or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.