

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>OFFICE OF PESTICIDES PROGRAMS</b> <b>REGISTRATION DIVISION (WH-367)</b> <b>WASHINGTON, D.C. 20460</b>	<b>EPA REGISTRATION NO.</b> 10163-110	<b>DATE OF ISSUANCE</b> SEP 29 1987
	<b>TERM OF ISSUANCE</b> Until Reregistration	
	<b>NAME OF PESTICIDE PRODUCT</b> Cowan Endosulfan 3 EC	
<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>		
<b>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</b>  Cowan Company P.O. Box 5696 Yuma, AZ 85364		
<b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:		
<ol style="list-style-type: none"> <li>Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</li> <li>Make the following changes listed below before you release the product for shipment:           <ol style="list-style-type: none"> <li>Add the phrase "EPA Reg. No. 10163-110".</li> <li>On the first page of the directions booklet, revise the first sentence to read: "Apply the listed amount per acre when insects first appear and repeat as required, unless otherwise noted, to maintain effective control."</li> <li>Also on the first page of the directions booklet, in the first paragraph, after "... is essential for good control." add: "For ground application, apply recommended amount of pesticide in a minimum of 10 gallons of water per acre on vegetable or row crops."</li> </ol> </li> </ol>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
<b>SIGNATURE OF APPROVING OFFICIAL</b>		<b>DATE</b>

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- (d) In the Root Crops paragraph on the first page of the directions booklet, add sugar beets to the listing of acceptable follow up crops.
  - (e) In the directions for "Cherry, Peach, Plum Nursery Stock Dip", replace "Wear rubber gloves when dipping." with "When dipping, wear protective clothing as specified in the PRECAUTIONARY STATEMENTS section of this product's label.
  - (f) In the directions for "Ornamentals (Greenhouse and out-of-doors), delete "In greenhouse applications, wear approved mask or respirator." since this conflicts with the Precautionary Statements directions to wear the specified protective clothing when mixing, loading, and applying the product for any uses, in greenhouses or outside.
  - (g) Please note that this product is subject to the labeling provisions and deadlines as stipulated in PR Notice 87-1 on chemigation and in PR Notice 87-5 on endangered species.
3. Within 15 months of the date of this Notice of Registration you must submit the results of a 12-month storage stability study in which the formulated product must be analyzed for its active ingredient at time zero and during one year of storage at ambient temperatures.
  4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling and type size requirements for various label elements.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
 Product Manager (15)  
 Insecticide-Rodenticide Branch  
 Registration Division

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER—POISON**

**DANGER**—Fatal if swallowed. Causes eye damage. May be fatal if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Do not breathe spray mist or vapors. During mixing, loading, and application of this product, wear unlined waterproof gloves, goggles or a face shield, and a pesticide mask or respirator jointly approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) for pesticide application under the provisions of 30 CFR Part 11 for protection against endosulfan. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Wash thoroughly after handling and before smoking or eating. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from treated areas. Do not apply directly to water or wetlands. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, or other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 29 1987

Under the FIFRA Insecticide,  
Fungicide, and Plant Growth Regulator Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
**10163-110**

**GOWAN  
PROKIL ENDOSULFAN 3EC  
RECOMMENDED FOR AGRICULTURAL USE**

Active Ingredient:	% by Wt.
*Endosulfan (Hexachlorocycloheximetheno-2,4,3-benzodioxathiepin-3-oxide)	34.0%
Inert Ingredients	66.0%
<b>Total</b>	<b>100.0%</b>

Contains 3 pounds of Endosulfan per gallon  
Contains xylene range aromatic solvent

**KEEP OUT OF REACH OF CHILDREN  
DANGER-POISON  
PELIGRO**

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

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED**—Call a physician or Poison Control Center immediately. Vomiting should be induced only under the direct supervision of a physician because of the risk of aspiration pneumonia. Do not induce vomiting or give anything by mouth to a person who is unconscious or convulsing.

**IF INHALED**—Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

**IF ON SKIN**—Remove contaminated clothing and wash affected area with soap and water. Get medical attention.

**IF IN EYES**—Flush eyes with plenty of water. Call a physician immediately.

**NOTE TO PHYSICIAN:** Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation, or through contact with skin. It may cause convulsions. There is no specific antidote. Diazepam by injection is the drug of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuromuscular blocking agent may be used if convulsions persist. This type of drug may be used only if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

Net Contents        Gals.

**Gowan Company**

EPA Reg. No. 700-266-AA-10163-  
EPA Est. No. 10163-AZ-1

P.O. Box 5696  
Yuma, AZ 85364

**RQ, COMBUSTIBLE LIQUID, NOS, NA 1993 (Cont)**

**DIRECTION**

It is a violation of Federal Law to be inconsistent with this labeling.

Do not apply this product in such a way that drift expose workers or treated areas. Do not be vaccinated by unapproved loading, and applying this product. Do not wear gloves, goggles or a face shield, pesticide mask or respirator.

Do not enter treated area, without waiting for 24 hours.

Protective clothing means at least covering, a long sleeved shirt and coverall type garment (all of clothing including the arms and legs).

Because certain states may require re-entries for various crops treated with this product, inform workers of the hour re-entry interval established by the Department of Agriculture for the area.

Written or oral warnings must be placed to be in a treated area or with this product. Inform workers before they enter without specific protection the field must be vacated, and in case of accidental exposure. Any given under written warnings. Written warnings shall be given in a language understood by workers. Oral warnings must be given in a language understood by workers. Written warnings must include the following:

**DANGER**  
Area treated with endosulfan must be vacated. Inform workers of the appropriate protective clothing and equipment. Inform workers of the Department of Agriculture's re-entry interval.

In case of accidental exposure to the pesticide, workers should be removed from the area with soap and water. Remove clothing before reuse. If in eyes, flush with water to an area where the pesticide has not been applied. Get medical attention if needed.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed.

**STORAGE:** Store in a cool, well-ventilated area.

**PESTICIDE DISPOSAL:** Pesticide should not be disposed of in any way.

Improper disposal of excess pesticide is a violation of Federal Law.

Dispose of according to the label or State Pesticide or Environmental Control Agency.

Hazardous Waste representative should be consulted for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) before recycling or reconditioning for reuse.

For recycling or reconditioning, contact a sanitary landfill or by other means approved by local authorities.

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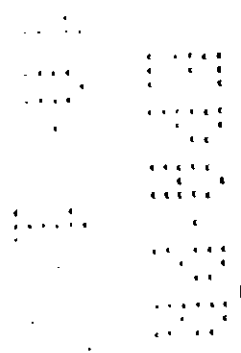
GOWAN  
~~PROKIL~~  
ENDOSULFAN 3EC

**DIRECTIONS  
FOR USE**

*Gowan Company*

P.O. Box 5696  
YUMA, AZ 85364

EPA Reg. No. ~~7001-244-AA-10163~~



DIRECTIONS

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage, unless otherwise noted, for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Use a minimum of 20 gallons of finished spray per acre for deciduous trees and 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 Gowan Endosulfan 3EC used.

THIS MATERIAL MUST NOT BE USED AS AN INSECTICIDE WITHOUT DILUTION.

ROOT CROPS: Do not plant root crops other than carrots, potatoes, and sweet potatoes as follow up crops.

COMPATIBILITY: Gowan Endosulfan 3EC is incompatible with calcium arsenate, lime, and zinc sulfate plus lime.

CROP	PLST	DOSAGE	REMARKS
Alfalfa (21) grown for forage	Meadow Spittlebug	2/3 qt./acre	Apply 1 week after eggs begin to hatch or when first small masses of froth are produced in the plant which is usually about the time the alfalfa is 4 to 6 inches tall. Apply in at least 10 gals. of water per acre by ground applicator or in at least 2 gals. of water per acre by airplane. Do not apply more than once per cutting. Do not graze or cut forage within 21 days of treatment.
Almonds	Peach Tree Borer	2 1/2 to 3 1/3 qts./ac	Apply during popcorn, pink or petal fall. Use in a minimum of 200 gals. of water per acre dilute or in 40 gals. per acre concentrate. For areas less than one acre use 1 qt. per 100 gals. of water. Do not exceed one application per season. Treated hulls may be fed to livestock and dairy animals. Do not graze livestock on orchard crops or grasses in treated areas.
Apples (30)	Apple Aphid, Honey Apple Aphid, Woolly Apple Aphid	2/3 qt./100 gals. or 2 2/3 to 3 1/3 qt./acre	Do not feed cull fruits to animals nor allow livestock to graze treated orchards. Do not exceed 2 applications during the fruiting period.
	Apple Rust Mite	1/3 to 2/3 qt./100 gals or 4 to 5 1/3 qt./acre	
Artichoke (7)	Artichoke Aphid, Green Leafhopper	1 to 1 1/3 qt./acre	
	Artichoke Plum Moth	1 1/3 qt./acre	
Barley, Oats, Rye, and Wheat	Army cutworm	1 1/3 qt./acre	Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals being finished for slaughter. For airplane application apply in 2 gals. of diesel fuel oil per acre.
	Cereal Leaf Beetle (in Illinois, Indiana, Michigan and Ohio only)	2/3 to 1 1/3 qt./acre	Apply when small larvae are readily found in the field. For aerial application use a minimum of 1 to 2 gals. of water per acre. Do not apply after heads begin to form. Do not feed treated forage to livestock.
Beans (3) succulent and dry (except lima beans)	Black Bean Aphid, Bean Leaf Skeletonizer, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle	2/3 to 1 1/3 qt./acre	Do not exceed 3 applications per season. Do not feed threshings or allow livestock to graze in treated field.
	Western Bean Cutworm	1 1/3 qts./acre	
Blueberries	Blueberry Bud Mite	2 qts./300 gals. water per acre	Apply immediately after harvest and repeat 6 to 8 weeks later. Do not apply after buds are well formed.
Box Elder Ornamentals Only	Box Elder Bug	2 qts./100 gals. water 2 Tbs./gal.	Spray foliage and trunks when insects first appear. Repeat as required in late summer or fall covering tree trunk, outside walls, fences and other places where bugs congregate.
Broccoli (7), Cabbage (7), Brussels Sprouts (14), Cauliflower (14)	Cabbage Aphid, Cabbage Looper, Crossstriped Cabbage Worm, Diamond Back Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbage Worm, Stink Bug	1 to 1 1/3 qts./acre	
	Armyworms, Cutworms	1 1/3 qts./acre	
Carrots (7)	Green Peach Aphid	2/3 to 1 1/3 qts./acre	Do not exceed 2 applications. Do not use tops for food or feed.
Celery (7)	Green Peach Aphid	2/3 qt./acre	No limit on number of applications per season.
Celery (4)	Green Peach Aphid, Cabbage Looper	2/3 to 1 1/3 qt./acre	Do not exceed 3 applications.
Cherry (21)	Plum Rust Mite, Black Cherry Aphid	2/3 qt./100 gals. or 2 2/3 to 3 1/3 qts./ac	Do not exceed 2 applications after shuck split.
	Eye-Spotted Bud Moth, Fruit Tree Leafroller (Pacific N.W. Only)	1 1/2 qt./acre	For Bud Moth, make application during popcorn stage of growth. For leafroller make application during pre-pink stage.
	Minnesota Moth (Michigan only)	1 1/3 qts./100 gals. applied in delayed dormant period	Do not feed cull fruits to animals nor allow livestock to graze treated orchards.
Cherry, Peach, Plum, Nursery Stock Dip	Peach Tree Borer	2 2/3 qts./40 gals. water	Thoroughly mix. Immerse the bundles of trunks so that the roots and crowns are covered well above the grafting bud scar. Plant immediately or dry before returning to storage. Wear rubber gloves when dipping.

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Crop	Pests	Rate	Notes
	Ullus Aphid	3 to 6 3/2 pts./acre	Do not apply to bearing trees or to trees that will bear fruit within 6 months.
Collards (21)	Cabbage Looper, Diamond back Moth larvae, Harlequin bug, Imported Cabbageworm	1 qt./acre	Do not exceed 1 application.
Cotton	Bollworm, Cabbage-Looper, Lygus Bug, Cotton Stink Bug	1 1/3 qts./acre	Rates up to 2 pints do not apply after 25% of bolls are open, and rates over 2 to 4 pints, do not apply after bolls are open. Do not graze meat or dairy animals in treated fields.
	Thrips	2 qts./acre	
	Cotton Leaf Perforator, Boll Weevil	1 1/3 to 4 pts./acre	
Cucumbers (0), Melons (0), Summer and Winter Squash (0)	Aphids, Cucumber Beetle, Striped Flea Beetle, Melonworm, Pickleworm, Rindworm (on watermelon), Squash Beetle, Squash bug, Squash Vine Borer	2/3 to 1 1/3 qts./acre	For vine borer control, apply weekly to flower buds, stems, and vines beginning when moths first appear. Rindworm is apparent; a combination of feeding damage by cabbage loopers and certain other lepidopterous larvae.
	Cabbage Looper, Omnivorous Leaf Koller (on melons)	1 1/3 qts./acre	
Dogwood, Lilac Ornamentals Only	Dogwood Borer, Lilac borer	2/3 to 1 1/3 qts./100 gals. water	Apply in early June and repeat in 10 to 14 days. Drench all bare areas down to the ground level.
Eggplant (1)	Blister Beetle, Colorado Potato Beetle, Flea beetle, Green Peach Aphid, Green Stink Bug, Whitefly	2/3 qt./acre	Do not exceed 0.5 pounds active ingredient endosulfan per acre.
Filberts	Filbert Aphids, Filbert Leafroller	4 to 5 pts./acre	Do not graze livestock on orchard crops or grasses in treated areas. No time limitation.
Grapes (7)	Grape Leafhopper	2/3 qt./100 gals. or 1 1/3 to 2 qts./acre	Do not apply to Concord variety as severe injury is likely to occur. Ground application is preferred.
	Rose Chafer	2/3 qt./100 gals.	
Kale (21)	Cabbage Flea Beetles, Harlequin Bug, Imported Cabbageworm	1 qt./acre	Do not exceed 1 application.
Leatherleaf Fern	Leatherleaf Fern Borer	2/3 qt./100 gals.	Begin treatment when first larval feeding is observed in the mid-vein area at the base of the leaflets. Repeat at intervals of 2 to 3 weeks as necessary.
Lettuce (14)	Cabbage Looper, Green Peach Aphid, Diamond back Moth Larvae, Imported Cabbageworm	1 to 1 1/3 qts./acre	Do not exceed 3 applications after thinning head lettuce and remove outside leaves at harvest. Do not exceed 2 applications per season on leaf lettuce. Do not feed crop refuse to livestock.
Macadamia Nuts	Southern Green Bark Bug	1 1/3 qts./100 gals. water (max. 5 gals/ac)	Do not graze livestock on orchard crops or grasses in treated areas.
Mustard Greens (21)	Aphids, Cabbage Looper, Imported Cabbageworm	1 qt./acre	Do not exceed 1 application.
Ornamentals (Greenhouse and out-of-doors)	Aphids, Cyclamen Mite, Whitefly, Rose Chafer	2/3 qt./100 gals.	On chrysanthemums, best results will be obtained if applied before plants flower. Do not apply to "Bonnie-Belle", "Fred Shoemith", and "White Knight" chrysanthemums as injury may result. Do not use on birch trees. In greenhouse applications, wear approved mask or respirator.
Peaches (30), Apricots (30), Nectarines (30)	Black Cherry Aphid, Black Peach Aphid, Caterfacing insects, Green Peach Aphid, Peach Twig Borer, Rusty Plum Aphid	2/3 qt./100 gals. or 2 2/3 to 3 1/3 qts./ac	Do not exceed 2 applications during fruiting period. For Lesser Peach Tree Borer, thorough wetting of trunk and main branches is important. For foliar application, do not apply more than twice per season. Do not feed cull fruits to animals or allow livestock to graze treated orchards.
	Lesser Peach Tree Borer	1 qt./100 gals. water	
	Peach Tree Silver Mite, Lesser Peach Twig Borer	1/3 qt./100 gals. water or 2 2/3 to 3 1/3 qts./acre	
Pears (7)	Conspicuous Stink Bug	Ground Treatment: 2/3 qt./100 gals. water; 200 to 400 gals. spray/acre applied to orchard floor and ground around trees prior to bloom.	Do not feed cull fruits to animals or allow livestock to graze treated orchards.

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		Foliar Treatment: 2/3 qt./100 gals. water or 2 2/3 to 3 1/3 qts./ac	Stink Bugs must be wet to obtain control. The rate for a foliar treatment on stink bug control is 30 days. Do not apply more than once per season.
	Pear Rust Mite	2/3 qt./100 gals. water or 2 2/3 to 3 1/3 qts./acre	Do not apply more than once per season.
	Pear Leaf Blister Mite	1/3 to 2/3 qt./100 gals. water applied as a post harvest or dormant treatment	
	Pear Psylla	Use 3 1/3 qts. in sufficient for 1 acre (minimum of 10 gals./acre for aerial), 40 gals./ac for semi-concentrate, 300 gals./ac for dilute  To control second generation pear psylla use 1 qt./100 gals. water not to exceed 330 gals. spray per acre.	Apply when adults are first observed.  Apply when nymphs are small and repeat in 7 to 10 days if necessary. Do not exceed 2 applications during the fruiting season.
	NOTE: Ground application is preferred. Aerial application should be used only if impossible.		does not result in satisfactory control to apply by ground.
Peas (Succulent) (0)	Pea Aphid, Pea Weevil	2/3 to 1 1/3 qts./acre	Do not exceed 2 applications during the fruiting period. Use only on peas to be harvested by combine. Do not feed treated vines to livestock or allow to graze in treated fields.
Pears (3) (Southern Field)	Covpea Curculio	1 1/3 to 2 2/3 qts./ac	Have 3 applications at 5 day intervals beginning when first pods are 1/2 inch long. Do not feed treated threshings to livestock or allow to graze in treated fields.
Pecans	Black Pecan Aphid	1 qt./100 gals. water	Do not apply after shuck split. Do not graze livestock on orchard crops or grasses in treated areas.
Peppers (4)* ✓	Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggots	2/3 to 1 1/3 qts./acre	*1 day if maximum of 2/3 qt./acre is applied.
Pines (Austrian, Jack, Red, Scotch, White) Ornamentals Only	Zimmerman Pine Moth	1 qt./100 gals. water	Apply in mid-April and again if necessary in late fall. Thoroughly wet bark and main stem, especially where branches join main stem.
Pineapples (7) (fresh market use only)	Pineapple Fruit Mite	2 2/3 qt./acre	Do not apply more than 4 times per season. Make applications at 7 to 10 day intervals (if necessary) particularly during the 40 day bloom period. Do not feed treated forage or pineapple by-products to livestock.
Plums (7) Prunes (7)	Lesser Peach Tree Borer	1 qt./100 gals. water or 2 2/3 to 3 1/3 qts./acre	Apply spray thoroughly to wet trunks and main branches.
	Peach Twig Borer, Peach Tree Borer, Leaf Curl Plum Aphid, Hop Aphid, Thistle Aphid, Plum Rust Mite	1 qt./100 gals. water or 2 2/3 to 3 1/3 qts./acre	Spray thoroughly to cover all bark areas from ground to scaffold limbs.
	Fruit Tree Leafroller (Prunes only- Pacific N.W. Only)	1 1/3 qts./acre	Apply during pre-pink stage. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.
Potatoes (0)	Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf footed Bug, Plant Bugs, Potato Flea Beetles, Potato Leafhopper, Potato Tubeworm, Whitefly	2/3 to 1 1/3 qts./acre	<b>BEST AVAILABLE COPY</b>
	European Corn Borer, Potato Psyllid	1 to 1 1/3 qts./acre	
	False Chinch Bug	1 1/3 qts./acre	
	Three line Potato Beetle	2/3 qt./acre	
Pumpkins (1)	Aphids, Cucumber Beetle, Squash Vine Borer, Striped Flea Beetle	2/3 to 1 1/3 qts./acre	For vine-borer control, apply weekly to flower buds, stems and vines beginning when moths appear. Do not apply within one day of harvest.
Safflower	Green Peach Aphid	1 1/3 qts./acre	Do not apply after flower heads open.
Shade Trees (except Birch), Shrubs Ornamentals Only	Aphids	2/3 qt./100 gals. water	
Spinach (21)	Crown Mite, Green Peach Aphid	1 qt./acre	Do not exceed 1 application.
Spruce Ornamentals Only	Spruce Gall Aphid (New England area only)	2/3 qt./100 gals. water	Apply in late May when aphids are present but before galls are formed.



Strawberries (4)	Cyclamen Mite	2/3 qt./100 gals. water 400 gals. spray per ac	Do not apply at intervals of less than 35 days when fruit is present.
	Meadow Spittlebug, Strawberry Aphid, Tarnished Plant Bug	1 1/3 qts./acre in 200 gals. water	Do not apply at intervals of less than 15 days or more than twice during any 35 day period when fruit is present.
Sugar Beets (30)	Green Peach Aphid	2/3 to 1 1/3 qts./acre	Do not feed treated tops to livestock.
	Meadow Spittlebug	2/3 qt./acre	
	Sugar Beet Webworm	1 to 1 1/3 qts./acre	
Sunflowers (0)	Sunflower Moth	1 1/3 qts./acre	Do not exceed 3 applications. Make first application at onset of bloom and make 2 more applications at 4 to 7 day intervals. Do not feed treated forage to livestock.
Sweet Corn (0) (fresh vegetable use only)	Corn Leaf Aphid	1 1/3 qts./acre	Apply at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not exceed 5 applications. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage to livestock or allow livestock to graze in treated field.
	Corn Earworm	2 qts./acre	
Sweet Potatoes (0)	Sweet Potato Flea Beetle	2/3 qt./acre	Begin application shortly after transplanting or as soon as flea beetles appear.
	Banded Cucumber Beetle Larvae (aids in control of; and for use in South Central States only)	1 1/3 to 2 2/3 qts./ac broadcast or 2/3 to 1 1/3 qts./acre in a 16 inch band over the row (48 in. spacing)	Work into the soil to a depth of approximately 3 inches making a single treatment just prior to plant set. Do not feed treated potatoes to livestock.
Taxus Ornamentals Only	Taxus Bud Mite	2/3 qt./100 gals. water	Apply 3 to 5 applications beginning in mid-May. Thorough treatment of foliage, twigs, and bark is essential.
	Black Vine Weevil	1 1/3 qts./100 gals.	Spray thoroughly and drench soil under plants. Apply when beetles first appear. Repeat in 14 days.
Tobacco (5)	Flea Beetle, Hornworm, Budworm, Green Peach Aphid, Cabbage Looper	Field: 2/3 to 1 1/3 qts./acre. Seedbed: 2/3 qt./100 gals. water and apply 6 gals. spray/100 sq. yds.	
	Green June Bug Larvae	1/3 qt./100 gals. water drench plant bed with 1 gal. spray/sq. yd.	
	Stink Bug	Use field application of 1 1/3 to 2 qts./100 gals. water	
Tomatoes (1) (Field and Greenhouse)	Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid	2/3 qt./acre	
	Tomato Russet Mite, Tomato Fruitworm, Yellow striped Armyworm	1 1/3 qts./acre	
	Stink Bugs	1 to 1 1/3 qts./acre	
	Cabbage Looper	1 qt./acre	
	Whitefly, Hornworms	2/3 to 1 1/3 qts./acre	
Walnuts	Walnut Aphid	4 to 5 pints/acre	Do not apply after husks are split. Do not graze livestock on orchard crops or grasses in treated areas.

#### NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

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