

and other wildlife. Keep out of lakes, streams or ponds. Do not apply where drift may occur. Do not apply when weather conditions favor drift from areas treated. Clean water by cleaning of equipment or disposal of wastes. Apply this product only on this label.

Highly toxic to bees exposed to direct treatment or residues on crops. Protection may be obtained from your Cooperative Agricultural Extension Service.

### DIRECTIONS FOR USE

#### CROPS

Intended for use by the commercial grower or commercial applicator in hydraulic sprayers, ground applicators or airplane sprayers. When applying, use recommended amount in sufficient water for thorough coverage; up to 10 gallons of water unless otherwise specified. Do not apply when wind favors drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or state extension service for timing of application.

Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
Apple maggot† Codling moth*†	1 pt./100 gals. water	28 Do not apply during the bloom period. Apply at petal-fall and every 10 to 14 days thereafter until control is achieved. † Under heavy infestations, some stinging injury may occur. * Midwest and eastern states only.
Aphids, leafhoppers, mites (except rust mites)	1/2 to 1 pt./100 gals. water	28 Do not apply during the bloom period.
Aphids	Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as an outside coverage spray. Aircraft Equipment: 1 to 2 qts/acre in 15 to 20 gals. water.	15
Mites (except rust mites)	Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as a thorough distribution coverage spray.	15
Scales (except black or snow)	Ground Equipment: 1 to 1 1/2 pts./100 gals. water. Apply as a thorough coverage spray.	45
Thrips	Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as a mist spray. Aircraft Equipment: 1 to 2 qts/acre in 15 to 20 gals. water.	15
Whiteflies	Ground Equipment: 1 pt./100 gals. water. Apply as a thorough distribution coverage spray.	15
Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application.		
Aphids, mites, leafhoppers	Ground Equipment: 3/4 pt./acre	21 Do not graze livestock in treated groves.
Aphids	Air Equipment: 3/4 pt./acre in a minimum of 5 gals. of finished spray.	
Aphids, leafhoppers, leaf miners, mites, lygus bugs	1/2 to 1 pt./acre	Beans may be harvested on day of application. Do not feed treated vines.
Aphids	1 to 1 pt./acre	7
Aphids	1 to 1 pt./acre	3
Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Leafminers	Ground Equipment: 1 pt./acre	7
Aphids, leafhoppers, leaf miners	1/2 pt./acre	14
Aphids, leafhoppers, leaf miners, thrips	1 pt./acre	3
Aphids, leaf miners, leafhoppers	1/2 to 1 pt./acre	3

Crop	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
Peas	Aphids	1/2 pt./acre	Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is used.
Peppers	Aphids, leaf miners, maggots	1/2 to 3/4 pt./acre	Peppers may be harvested on day of application.
Potatoes	Aphids, leaf miners, leafhoppers	1/2 to 1 pt./acre	Potatoes may be harvested on day of application.
Tomatoes	Aphids, leaf miners, leafhoppers	1/2 to 1 pt./acre	7

Where cabbage worms and cabbage loopers are a problem, the above rates of CYGON 400 are compatible with endosulfan, malathion or parathion. Use in accordance with the manufacturers' directions for control of these insects.

Crop	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
FIELD CROPS: Alfalfa	Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	1/2 to 1 pt./acre	Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on the cutting to which applied.
Field Corn	Banks grass mites (excluding Trans-Pecos area of Texas)	3/4 to 1 pt./acre broadcast by air. Spray over the foliage when mites appear. Apply in ratio of 1 part CYGON 400 in 30 parts of water. Do not use less than 2 1/2 gals./acre for the 3/4 pt. rate and 3 3/4 gals./acre for the 1 pt. rate.	14 Apply as necessary. Make no more than three applications per year.
Cotton (grown in California and Arizona)	Lygus bugs, leafhoppers, black fleahoppers	1/2 to 1 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.
Cotton	Aphids, mites, thrips, fleahoppers	1/4 to 1/2 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.
	Lygus Bugs	1/2 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.
Safflower (grown in California and Arizona)	Aphids, leafhoppers, lygus bugs, thrips	1/2 to 1 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.
Sorghum (milo)	Aphids	1/2 to 1 pt./acre Ground Application: Apply above rates in 25 to 40 gallons of water per acre. Aerial Application: Apply above rates in a ratio of 1 part CYGON 400 in 30 parts of water as follows: Minimum gallons water/acre Rate of Cygon 400 1/2 pt. 2 3/4 pt. 2 1/2 1 pt. 3 3/4	Do not feed or graze within 28 days of last application. Make 3 aerial applications or 3 ground applications as needed per season.
	Banks grass mites (excluding Trans-Pecos area of Texas)	1 pt./acre Ground Application: Apply above rate in 25 to 40 gallons of water per acre. Aerial Application: Apply above rate in a ratio of 1 part CYGON 400 in 30 parts of water as follows: Minimum gallons water/acre Rate of Cygon 400 1 pt. 3 3/4	
	Sorghum midge	Aerial Application: Apply 1/4 to 1/2 pt. in 2 to 10 gals. of water per acre. Apply during the bloom period and repeat as necessary.	

Soybeans	Mexican bean beetle, spider mites.	1 pt./acre Aerial application: Apply recommended rate in a minimum of 3 3/4 gals. of water per acre.	21 Do not feed or graze within 5 days of last application.
Tobacco	Aphids	1/2 to 3/4 pt./acre	21
Wheat	Aphids (greenbugs) Brown wheat mite	1/2 to 3/4 pt./acre 1/2 to 1/2 pt./acre	Do not apply within 14 days of grazing immature plant. Do not harvest grain within 60 days of last application.
SEED CROPS: Alfalfa	Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	1/2 to 1 pt./acre	Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

### WARNING!

DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS. RECOMMENDATION FOR USE ON THESE CROPS HAS BEEN WITHDRAWN FROM THIS LABEL.

### FOREST INSECTS

Do not apply to Pine Trees used for Pine Nut or Pinyon Nut Production.

Tree	Pests Controlled	Rate	Directions
Pinyon pine	Pinyon needle scale	2 gals. in 100 gals. water	Apply spray to egg masses at the base of the trees and to all rough bark and crotches that can be reached from the ground. Make this bark application when crawlers start to emerge from the eggs. Use hydraulic or back-pack sprayer. Do not spray leaves or needles since phytotoxicity may result.
Douglas fir	Fir cone midge	1/2 gal. in 100 gals. water	Make thorough coverage application when cones are closed and pendant. Use hydraulic or back-pack sprayer.
Pines	Loblolly pine sawfly	1/4 to 1/2 pt./acre in 2 gals. water	Apply by aircraft when air is calm and the temperature is below 68° F. Apply when most larvae are in the second and third instars.

### CITRUS TREES - NONBEARING AND NURSERY STOCK

Consult your state agricultural experimental station or state agricultural extension service for proper timing of applications.

Plant	Pests Controlled	Amount
Citrus (California, Arizona)	Aphids Thrips	Foliar Spray: 1 pint CYGON 400 per 100 gallons of water. Repeat applications as necessary. May be applied in the year grapefruit, lemon, orange and tangerine trees begin to bear fruit. Do not enter treated groves within 4 days of last application. Soil Drench (Trees 1 to 3 years old): 2 quarts CYGON 400 per acre applied in the furrow or basin around the base of tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year.

The use of the within-contained material for systemically protecting living plants is covered by Patent No. 3,210,242. The selling price includes a royalty for the right of any purchaser of said material to practice the methods claimed in said patent. A nontransferable license under said patent may be obtained from American Cyanamid Company on current royalty terms whatever the source of material used.

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

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