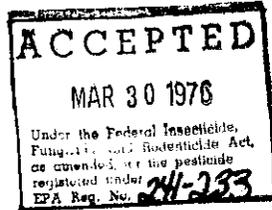


241-233

3-30-76

1075

DO NOT STORE BELOW 45°F



# CYCON\* 400

## SYSTEMIC INSECTICIDE AVISO

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.

**Active Ingredient:**  
 Dimethoate (O,O-dimethyl S-(N-methylcarbamoylmethyl)  
 phosphorodithioate) ..... 43.5%  
**Inert Ingredients** ..... 56.5%

(1 Gallon contains 4.0 pounds of Dimethoate)  
 EPA Reg. No. 241-233-AA                      EPA Est. No. 241-NJ-2

FOR USE ON AGRICULTURAL CROPS

**WARNING!**

KEEP OUT OF REACH OF CHILDREN





DO NOT STORE BELOW 45° F.

ACCEPTED

MAR 30 1976

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-233



# CYGON\* 400

Systemic Insecticide

CYANAMID

Active Ingredient:  
Dimethoate (O,O-dimethyl S-(N-methylcarbamoylmethyl) phosphorodithioate) 43.5%

Inert Ingredients 56.5%  
(1 Gallon contains 4.0 pounds of Dimethoate)

EPA Reg. No. 241-233-AA

EPA Est. No. 241-NJ-02

## WARNING!

KEEP OUT OF REACH OF CHILDREN

See Side Panel For Antidote and Other Warnings

## ¡AVISO!

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

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

Net Contents: 2 Gallons

24657-05

D40

**WARNING! COMBUSTIBLE LIQUID, AND VAPOR**  
Do not contaminate food or feed products.  
Do not use, pour, spill or store near heat or open flame.

**WARNING! HARMFUL OR FATAL IF SWALLOWED**  
**VAPOR HARMFUL**  
**CONCENTRATED MATERIAL CAUSES EYE IRRITATION**  
Avoid breathing vapor or spray mist.  
Use only with adequate ventilation.  
Keep container closed.  
Avoid contact with skin and eyes.  
Wash thoroughly after handling.

**FIRST AID:** In case of contact with eyes, flush eyes with plenty of water for at least 15 minutes; get medical attention.

**NOTE TO PHYSICIANS:** This product may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

### DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

### RINSE/DRAIN AND DISPOSAL PROCEDURE:

(1) Drain container into spray tank (after normal emptying) in a vertical position for 30 seconds. (2) Rinse carefully 3 times with 2 quarts of water for each rinse for a 2 gallon container and drain into spray tank after each rinse. (3) Do not reuse container. (4) Bury deeply in an isolated location away from water supplies with at least 18 inches of cover.

Toxic to birds and other wildlife. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DIRECTIONS FOR USE

This product is intended for use by ground sprayers. When applying by ground sprayers, sufficient water for thorough coverage unless otherwise specified. Do not spray from areas treated. Repeat application as specified. Consult your state experiment station for proper timing of application.

Crop	Pests Controlled	Rate
<b>FRUIT:</b>		
Apples	Apple maggot Codling moth**†	1 pt./100 gals. w.
Apples Pears	Aphids, leafhoppers, mites (except rust mites)	½ to 1 pt./100 g
Grapefruit	Aphids	Ground Equipment 100 gals. water. ½ side coverage spr. Aircraft Equipment acre in 15 to 20
Lemons	Mites (except rust mites)	Ground Equipment 100 gals. water. ½ ough distribution.
Oranges	Scales (except black or snow)	Ground Equipment 100 gals. water. ½ ough coverage spr.
Tangerines	Thrips	Ground Equipment 100 gals. water. ½ spray. Aircraft Equipment acre in 15 to 20
	Whiteflies	Ground Equipment water. Apply as a tribution coverage.
Do not apply during bloom period. Do not apply to mature fruit. Do not enter trees.		
<b>NUTS:</b>		
Pecans	Aphids, mites, leafhoppers, scales	Ground Equipment 100 gals. water. ½ minimum of 5 gal. spray.
<b>VEGETABLE CROPS:</b>		
Beans (except lima, snap dry)	Aphids, leafhoppers, leaf miners, mites, true bugs	½ to 1 pt. acre
Broccoli	Aphids	½ to 1 pt. acre
Cauliflower	Aphids	½ to 1 pt. acre
Cabbage	Aphids	½ to 1 pt. acre
Head Lettuce	Aphids, leafhoppers, leaf miners	½ pt. acre
Celery (Florida)	Leaf miners	Ground Equipment
Leaf Lettuce	Aphids, leafhoppers, leaf miners	½ pt. acre
Spinach	Aphids, leafhoppers, leaf miners	
Collards	Aphids, leafhoppers, leaf miners	
Kale	Aphids, leafhoppers, leaf miners	
Turnip greens and roots	Aphids, leafhoppers, leaf miners, thrips	
Mustard Greens	Aphids, leafhoppers, leaf miners, thrips	
Swiss Chard	Aphids, leafhoppers, leaf miners, thrips	
Endive (Escarole)	Aphids, leafhoppers, leaf miners, thrips	
Melons (except watermelons)	Aphids, leafhoppers, leaf miners, thrips	1 pt. acre
Watermelons	Aphids, leafhoppers, leaf miners, thrips	½ to 1 pt. acre
Peas	Aphids	½ pt. acre

Crop	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest								
Peppers	Aphids, leaf miners, maggots	1/2 to 1/2 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									
Where cabbageworms and cabbage loopers are a problem, the above rates of CYGON 400 are compatible with endosulfan, malathion and parathion. Use in accordance with the manufacturers directions for control of these insects.											
<b>FIELD CROPS</b>											
Alfalfa (grown for hay)	Aphids, leaf-hoppers, lygus bugs, grass-hoppers, 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 year. Effective only on cutting to which applied.								
Field Corn	Banks Grass Mites (excluding Trans-Pecos area of Texas)	1/2 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. per acre for the 1/2 pt. rate and 3 3/4 gals. per acre for the 1 pt. rate.	14 (Trans-Pecos) 42 (Trans-Pecos) Apply as necessary. Make no more than three applications per year.								
Cotton (grown in California and Arizona)	Lygus bugs, leaf-hoppers, 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 Lygus Bugs	1/4 to 1/2 pt./acre 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.								
Safflower (grown in California and Arizona)	Aphids, leaf-hoppers, 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: <table border="1"> <tr> <th>Rate of Cygon 400</th> <th>Min. Gal. water/acre</th> </tr> <tr> <td>1/2 pt.</td> <td>2</td> </tr> <tr> <td>1 pt.</td> <td>2 1/2</td> </tr> <tr> <td>1 pt.</td> <td>3 3/4</td> </tr> </table>	Rate of Cygon 400	Min. Gal. water/acre	1/2 pt.	2	1 pt.	2 1/2	1 pt.	3 3/4	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.
Rate of Cygon 400	Min. Gal. water/acre										
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	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: <table border="1"> <tr> <th>Rate of Cygon 400</th> <th>Min. Gal. water/acre</th> </tr> <tr> <td>1 pt.</td> <td>3 3/4</td> </tr> </table>	Rate of Cygon 400	Min. Gal. water/acre	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.				
Rate of Cygon 400	Min. Gal. water/acre										
1 pt.	3 3/4										
	Sorghum midge	Aerial Application: Apply 1/4 to 1/2 pt. in 2 to 10 gallons 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.	11 Do not feed or graze within 5 days of last application.								
Tobacco	Aphids	1/2 to 1/2 pt./acre	11								
Wheat	Aphids (greenbugs) Brown wheat mite	1/2 to 1/4 pt./acre 1/2 to 1/2 pt./acre	Do not apply within 14 days of grafting immature plant. Do not harvest grain within 60 days of last application.								
<b>SEED CROPS</b>											
Alfalfa	Aphids, leaf-hoppers, lygus bugs, grass-hoppers, 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 on 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 1/2 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.

Do not injure life or property involving this product. For details, Area Code 201-835-3100.

AMERICAN CYANAMID COMPANY  
AGRICULTURAL DIVISION  
PRINCETON, N.J. 08540

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Lot No.

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