

NET WEIGHT

POUNDS

764-506
 [148-1165]

DANEX 80

SOLUBLE POWDER CROP INSECTICIDE

lot 2

A SELECTIVE INSECTICIDE FOR EFFECTIVE CONTROL OF INSECT PESTS
 ON A VARIETY OF FIELD AND VEGETABLE CROPS

ACTIVE INGREDIENT:

Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate 80%

INERT INGREDIENTS 20%

100%



DANEX selective insecticide effectively controls a wide variety of insect pests without appreciably reducing beneficial insect populations when applied at recommended minimum rates. As a result, DANEX 80 supplements natural control factors instead of destroying them. Insect parasites, predators and pollinators continue to perform their good work. DANEX 80 dissolves in water and is recom-

mended for use, in all conventional power-operated ground sprayers and aircraft spray equipment.

The unique selective advantage of DANEX 80 is lost when the chemical is used in conjunction with or alternated with pesticides which are non-selective.

WARNING Keep Out of Reach of Children
 SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.

APR. 5, 1974
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DIRECTIONS FOR USE

DANEX insecticide offers the unique advantage of not significantly affecting beneficial insects (parasites, predators and pollinators), especially when applied at the minimum recommended rates per acre. Thus DANEX supplements the natural control factors, instead of destroying them. This advantage is lost when DANEX is used in conjunction with parathion or other non-selective insecticides. Accordingly, for most effective and most economical control, DANEX should not be used in conjunction with or alternated in, a spray schedule with pesticides destroying parasites, predators and other beneficial insects. This applies to alfalfa and cotton in particular. While DANEX is not recommended for the control of aphids, mites and cabbage looper, some suppression of these pests may result from recommended dosages.

MIXING: DANEX 80 dissolves readily in water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To dissolve in water, pour the required amount of DANEX 80 into full amount of water and then agitate. Use immediately after mixing. It is recommended that DANEX 80 be used in sprayers equipped with 60-mesh screens. If 100-mesh screens are used, some screen clogging may occur.

DOSEAGE: Use specified dosage of DANEX 80 in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

SPRAYING: Complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Extension Service or Experiment Station for specific use information in your area.

RESTRICTIONS: DO NOT ALLOW SPRAY TO DRIFT ONTO SORGHUM. TO DO SO MAY CAUSE BURNING OF THE SORGHUM OR MILO.

Keep children and pet off treated areas until spray deposit has dried.

PROTECT WILDLIFE! This product is toxic to birds and other wildlife, and must be applied in strict accordance with label directions. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. In cleaning of equipment or disposal of wastes, do not contaminate water. Keep out of lakes, streams, or ponds. Apply this product only as specified on this label.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

CONTAINER AND WASTE DISPOSAL: Rinse equipment and containers and dispose of wastes by burying in non-crop land away from water supplies. Dispose of empty container by burying with wastes or by burning (Keep out of smoke).

WARNING: May be fatal if swallowed. Harmful if inhaled, or absorbed through the skin. Do not get in eyes or on skin. Do not breathe dust or spray mist. Always wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Do not contaminate feed or food. Keep out of reach of children.

Should poisoning occur, obtain prompt medical aid. Prolonged exposure will result in cholinesterase depression.

TO PHYSICIAN: Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

NOTICE

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Cotton	Cotton fleahopper	5 to 20	Apply specified dosage per acre using sufficient water for complete coverage, but not less than 1 gallon per acre. Do not pasture treated fields within 14 days of application. Do not apply within 7 days of picking. DANEX applications may occasionally cause marginal leaf burn.
	Cotton leafworm	10 to 20	
	Darkling ground beetle Western yellow striped armyworm		
	Beet armyworm Southern garden leafhopper	20	
	Black fleahopper complex	20 to 30	NOTE: For control of light to moderate infestation of cotton fleahoppers, use 5 ounces of DANEX 80 per acre. Higher rates may be required if heavy infestations or migrations occur.
	Cotton leaf perforator		
	Leaf roller		
	Lygus bugs Stink bugs		
	Salt-marsh caterpillar	30	
Lygus bugs flower	Armyworms 20 to 30 Thrips Variegated cutworm	20 to 30	Apply specified dosage per acre in each of two applications, using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per year, or later than bloom stage. Make first application approximately 2 weeks prior to bloom - second application at onset of bloom.
Sugar Beets	Beet webworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.
	Variegated cutworm	20	
	Dipterous leaf miners		
	Alfalfa webworm Beet armyworm	20 to 30	
	Salt-marsh caterpillar	30	
Tobacco	Budworm Hornworm	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. For budworm control make application directly into bud. Repeat as necessary. Do not treat within 3 days of harvest.
Tobacco	Green June beetle larvae	10	Apply specified dosage in 100 gallons of water per 100 square yards to uprooted areas of plant beds.
SEED FIELD CROPS			
Alfalfa Clover	Armyworms Lygus bugs Stink bugs Variegated cutworm	20 to 30	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary up to 7 days before harvest. Chaff from alfalfa and clover seed crop may be used for feed or forage; however, do not cut green crop for these purposes. Do not pasture or use treated soybeans for feed, food, forage or oil purposes.
Soybeans	Armyworms Dipterous leaf miners Lygus bugs Stink bugs Variegated cutworm		
VEGETABLES			
Beans (dry & snap)	Western bean cutworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.
	Armyworms Dipterous leaf miners Lygus bugs Mexican bean beetle Stink bugs Variegated cutworm	20 to 30	
Lima Beans	Western bean cutworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per season nor within 14 days of harvest.
	Armyworms Dipterous leaf miners Lygus bugs Mexican bean beetle Stink bugs Variegated cutworm	20 to 30	

Collards Lettuce	Thrips Variegated cutworm Armyworms Beet webworm Diamondback moth Dipterous leaf miners Salt-marsh caterpillar
Peppers	Dipterous leaf miners Pepper maggot Serpentine leaf miners
Pumpkin	Variegated cutworm Squash bug
Table Beets	Variegated cutworm Alfalfa webworm Beet webworm Dipterous leaf miners Salt-marsh caterpillar
	Beet armyworm Lygus bugs
Tomatoes	Serpentine leaf miners Tomato hornworms Dipterous leaf miners
ORNAMENTALS	
Flowers Shrubs, and Trees	Nantucket pine tip moth Zimmerman pine m
	Armyworms Bagworms Climbing cutworms Dipterous leaf miners Lygus bugs Stink bugs Tarnished plant bug Tobacco budworm Webworms
Narcissus	Narcissus bulb fly
Lawns and Turf	Sod webworms (Lawn moths)



RATE/ACRE IN
OUNCES OF
DANEX 80

5
7 1/2
8
10
16
20
30

5 ACRES

1-1/2
2-1/3
2-1/2
3-1/8
5
6-1/4
9-3/8

POUNDS OF DANEX 80 TO TREAT:

10 ACRES

3-1/8
4-2/3
5
6-1/4
10
12-1/2
18-3/4

15 ACRES

4-2/3
7
7-1/2
9-3/8
15
18-3/4
28-1/8

NOTE: When using a more convenient whole number of fraction of pounds of formulated material, do not exceed maximum registered rate.

VEGETABLES

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Make only 1 application per season. Allow 4 days between treatment and cutting or grazing for rates up to 10 ounces per acre and a 7 day interval for rates above 10 ounces per acre. Do not treat more than 3 times per season.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary, but not within 21 days of harvest. Do not forage or feed the treated crops within 3 days of treatment. Do not treat more than 3 times per season.

Apply specified dosage per acre in sufficient water for complete coverage. Make one application per season when plants are 3 to 12 inches high and direct the spray to the lower portion of plants and to the soil around the base of the plants. Do not use corn for food, feed or ensilage within 28 days of treatment.

Apply specified dosage per acre using sufficient water for complete coverage, but not less than 1 gallon per acre. Do not pasture treated fields within 14 days of application. Do not apply within 7 days of picking. DANEX applications may occasionally cause marginal leaf burn.

NOTE: For control of light to moderate infestation of cotton fleahoppers, use 5 ounces of DANEX 80 per acre. Higher rates may be required if heavy infestations or migrations occur.

Apply specified dosage per acre in each of two applications, using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per year, or later than bloom stage. Make first application approximately 2 weeks prior to bloom - second application at onset of bloom.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. For budworm control make application directly into bud. Repeat as necessary. Do not treat within 3 days of harvest.

Apply specified dosage in 100 gallons of water per 100 square yards to uprooted areas of plant beds.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary up to 7 days before harvest. Chaff from alfalfa and clover seed crop may be used for feed or forage; however, do not cut green crop for these purposes. Do not pasture or use treated soybeans for feed, food, forage or oil purposes.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.

Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per season nor within 14 days of harvest.

Cucumbers Squash Blueberries Blackberries Raspberries	Dipterous leaf miners Fruit-eating leaf worms Lygus bugs Mites Nymphs Variegated cutworm	20 to 30	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per season with 14 days of harvest.
Brussels sprouts Cabbage Cauliflower	Colorado potato beetle Armyworm Diamondback moth Variegated cutworm Diamondback moth	10 10 to 20 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.
Carrots	Imported cabbage worm Variegated cutworm Diamondback moth Dipterous leaf miners Beet armyworm Lygus bug Salt marsh caterpillar Thrips Variegated cutworm	10 to 20 20 20 to 30 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 28 days of harvest. Do not use tops for food or feed.
Collards Lettuce	Armyworms Beet webworm Diamondback moth Dipterous leaf miners Salt marsh caterpillar	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary until heads begin to form. Do not apply within 28 days of harvest.
Peppers	Dipterous leaf miners Pepper maggot Serpentine leaf miners	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.
Pumpkin	Variegated cutworm Squash bug	10 to 20 20	Apply specified dosage per acre in sufficient water for complete coverage but not less than 1 gallon per acre. Apply only once per season and not within 14 days of harvest.
Table Beets	Variegated cutworm Alfalfa webworm Beet webworm Dipterous leaf miners Salt-marsh caterpillar	10 to 20 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 28 days of harvest. Do not eat tops.
	Beet armyworm Lygus bugs	20 to 30	
Tomatoes	Serpentine leaf miners Tomato hornworms Dipterous leaf miners	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.
ORNAMENTALS	Nantucket pine tip moth Zimmerman pine moth Armyworms Bagworms Climbing cutworms Dipterous leaf miners Lygus bugs Sunk bugs Tarnished plant bug Tobacco budworm Webworms	20 20 to 30	Mix specified dosage in 100 gallons of water and spray plants until they are thoroughly wet. Repeat as necessary. CAUTION: Phytotoxicity has occurred on certain varieties of carnations and zinnias. When large plantings of these flowers are to be sprayed for the first time, treat only a few plants and observe for 4 to 5 days before spraying the entire planting.
Narcissus	Narcissus bulb fly	20	Apply specified dosage in 100 gallons of water as a drench per 1,000 feet of row. Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatments annually.
Lawns and Turf	Sod webworms (Lawn moths)	2 1/2 to 3 1/2	Mix specified dosage (approximately 1/3 to 1/2 cup) of DANEX 80 in 15 to 30 gallons of water and apply uniformly to 1,000 sq. ft. of lawn or turf area by means of a watering can, compressed air sprayer, or any commercial power sprayer. For best results, mow the lawn and rake dead grass from damaged spots. Water the lawn and allow grass to dry before spraying. Do not water again until necessary. Three applications at monthly intervals may be required for maximum control. In most areas, the first of these applications should be made in May or June. Consult your State Agricultural Experiment Station or State Extension Service Specialists, for more specific information regarding timing of applications. Do not use DANEX 80 in hose proportioner sprayers.

RATE/ACRE IN OUNCES OF DANEX 80	POUNDS OF DANEX 80 TO TREAT:		
	5 ACRES	10 ACRES	15 ACRES
5	1-1/2	3 1/8	4 2/3
7-1/2	2-1/3	4 2/3	7
8	2 1/2	5	7 1/2
10	3-1/8	6 1/4	9 3/8
16	5	10	15
20	6 1/4	12 1/2	18 3/4
30	9-3/8	18 3/4	28 1/8

NOTE: When using a more concentrated whole amount or fraction of pounds of formulated material, do not exceed maximum registered rate.

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