

thuricide-HPC

HIGH POTENCY AQUEOUS CONCENTRATE

SPEGIMEN LABEL

ACTIVE INGREDIENTS. Bacillus thuringiensis Berliner, potency of 4,000 International Units

(at least 6 million viable spores) per milligram* 0.8%
Petroleum hydrocarbon solvent 3.0%
INERT INGREDIENTS 96.2%

100.0%

'Equivalent to 4.0 billion International Units per quart

CAUTION

AVOID INHALATION OR CONTACT WITH EYES OR OPEN WOUNDS. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

STORE IN A COOL PLACE

Activity may be impaired by storage at temperatures above 90° F Protect from freezing.

DIRECTIONS FOR USE

GENERAL: Apply at first sign of infestation when worms are small and repeat at weekly intervals as needed to maintain control. Thuricide HPC attacks the larval gut and must be eaten by the insect to be effective. Thorough underleaf coverage is, therefore, essential for best results. After eating Thuricide HPC, worms stop feeding and die within 2-3 days. Since the active ingredient, <u>Becillus thuringiensis</u>, is exempt from tolerance requirements. Thuricide HPC may be applied up to the day of harvest.

MIXING: Always shake or stir Thuricide HPC thoroughly before use. Pour recommended amount of Thuricide HPC onto surface of water in a nearly filled spray tank. Maintain

agitation. Use the higher rates against very heavy worm infectations, or where it is difficult to get good coverage due to rank foliage. Do not allow dilute sprays to stand in the tank for more than 12 hours. Combinations with chemical insecticides, fungicides, spreader-stickers, and stickers in the tank are generally not deleterious to Thuricida HPC if the mix is used promptly.

GROUND APPLICATION: Use recommended amount of Thuricide HPC in a minimum of 5 to 50 gallons of water, depending on the type of crop and requirements of state regulations. Add a sticker, adhesive or deposit builder where heavy dew or rain is encountered.

GROUND APPLICATION, TREES: Use recommended amount of Thuricida HPC in 100 gallons of water in high pressure, high gallonage, hydraulic sprayers. Wet foliage thoroughly with spray but not to the point of excessive runoff. For mist blowers use recommended amount in 10 gallons of water. To prevent washoff, by rain add a sticker to the finished spray.

AERIAL APPLICATION: Use recommended apparet of Thuricide HPC in 5 to 20 gallons of water. A sticker should be added under conditions of heavy dew orasin. Apply-early morning or evening when the air is callfi.

CONTAINER DISPOSAL: Do not reuse empty container. Destroy or dispard in safe place.

NOTICE: Sandox, Inc. makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on this label.

RECOMMENDATIONS. Thorough coverage is essential when using Thuricide HPC Concentrate.





Sandoz, Inc. Crop Protection

Crop	Pest	Qts. per scre
ALFALFA	Alfaifs caterpillar	1/4
ALMONDS'	Redhumped caterpillar	1-2
ALMONDS, 'CHERRIES' Apply when caterpillars are actively feeding (2-4th inster)	Tent caterpillar	1-2
APPLES, PEARS! Apply when oggs or newly herched larvee first appner. Continue epplying as a part of the normal cover spray program until peet is adequately controlled.	Redbanded leafroller, Tufted apple budmoth, Variegated leafroller, Tent caterpillar, Fruit tree leafroller, Gypsy moth	_ 1-2
BROCCOLI, BRUSSELS SPROUTS, CABBAGE,	Dismondback moth	V≥-1
CAULIFLOWER, COLLARDS, KALE, MUSTARD	Imported cabbage worm	1/2 - 1 1/2
GREENS, TURNIP GREENS	Green Cloverworm	1/2 - 1 1/2
	Cabbage looper	1-2
BEANS, BEETS, CARROTS, CELERY, CHARD, CHINESE CABBAGE (Choy sum), COS LETTUCE, ENDIVE, ESCAROLE, GARLIC, KOHLRABI, LENTILS, LETTUCE, ONIONS, PARSLEY, RADISHES, SPINACH, SQUASH	C≱bbage iooper	1 - 2
CUCUMBERS, MELONS Begin transment when worms are small to avoid damage and economy to the hervested crop.	Cabbaga looper	1-2
GGPLANT, PEPPERS	Tomato homworm.	1/2 - 1 1/2
	Tomato fruitworm ² . Cabbage looper	1.2
CURRANTS, BLUEBERRIES, CANEBERRIES BLACKBERRIES, DEWBERRIES, RASPBERRIES) Apply by ground equipment only. Begin treatment as soon as possible after herching and before larvae are protented by leaf	Omnivorous leafroller	1.2
tolds. CCTTON	Tobacco budwarm, Cattan ballwarm	1.2
UCETONS For the suppression of light to moderate infestations, spply of		·

For the suppression of light to moderate infectations, apply at first sign of egg laying or newly hatched worms (1st and 2nd instar larves). Reapply at 3-5 day in the sustain worm suppression or until adequate reduction of worm population is achieved. Use Thuricide MPC under a past management p_{ij} that includes close scouting. If heavy worm populations occur is may be necessary to apply an insecticide with report knockdown and go. I ferricide activity as a replacement. Apply from 5.15 gaillons total spray per acre with ground equipment and from 2-5 gaillons total spray per screwith serial equipment.

DIRECTIONS FOR USE OF TANK MIX COMBINATIONS OF THURICIDE! HPC AND CHLORDIMEFORM (FUNDAL) OR GALECRON' SPOR 4EC)

Сгор	Insecticide	Pest	Rate per acre
COTTON	Thuricide HPC	Tobacco budworm	½-1 pt.
	+	Cotton boliworm	+
	chlordimetorm SP		¼- ½ lb.
	Of		or
	chlordimeform 4EC		3/4-1/2 pt. →

Use Thuricide MPC plus chlordimeterm for a combined ovicide / larvicide effect. Use the low rates for suppression of light infestations, and the high rates for suppression of moderate infestations. Apply at first sign of egg laying or newly hatched worms. Reapply at 3.5 day intervals to sustain suppression, or until adequate worm reduction is achieved. Apply from 2-5 gallons total spray per acre with aerial equipment. Follow all restrictions, safety precautions and directions contained on the FUNDAL or GALECRON labels.

DIRECTIONS FOR USE OF TANK-MIX COMBINATIONS OF THURICIDE HPC AND ELCAR* INSECTICIDE (EPA REG. NO. 11273-17) IN THE SOUTHWEST ONLY

Сгор	Insecticide	Pest	Rate per acre',
COTTON	Thuricide HPC	Cotton bollworm	1 pt1 qt.
	+	Tobacco budworm	+
	Elcar		Vie Ve Ib

Use THURICIDE HPC in combination with ELCAR for an increased larvicide effect. Use the low rate combination for light infestations, and use the high rate combination for control of moderate infestations. Apply at first sign of egg deposition or newly hatched worms, and repeat it 3-7 day intervals, as long as egg deposition continues.

COTTON	Cabbage looper	1 2
PEANUTS	Cabbage looper Velvetbean caterpillar	1/2-11/2
	Podworms ²	1-2
POTATOES	Cabbage looper	1.2

Crop Insecticide	Pest	 Rate per acre	,
		1 - 1 1/2	
SOYBEANS	Cabbage looper		
	Green clovarworm	V2 - 1 V2	
	Velvetbeen caterpillar		
	Podworms ¹	1~2	
SUGARBEETS	Cabbage looper	1 - 2	
	Omnivorous leafroller		
TOBACCO	Cabbage looper	1 - 1 1/2	
	Tobacco budworm.	V2 - 1 V2	
	Tobacco hornworm	1/2 - 1 1/2	
TOMATOES	Tomato hornworm Cabbage looper		
	Tomato fruitworm	1-2	
WATERMELONS (Florida)	Rindworm complex	1/2-11/2	
GRAPES	Grape leaf folder	1-2	
Start treating as soon as possible after hatching and before			
larves are protected by leef folds. Apply by ground equipment in up to 200 gallons total spray per acre to			
obtain thorough coverage of leaf surfaces.			
GRAPES	Omnivorious leafroller	½ - 1 ½	
MINT	Cabbage looper	1-2	
STRAWBERRIES	Cabbage looper	1 - 2	
Use 20 gallons weter minimum per acre when using ground	Roughskinned cutworm		
equipment and 5 gallons water minimum per acre by	-		
aircraft.	Spring & Fall cankerworm		
SUGAR MAPLE	Fail webworm	1.2	
	Tent caterpillar	\	
	Gypsy moth		
DEACUTO MECTADIMES	Redhumped caterpillar		
PEACHES, NECTARINES	Tent caterpillar	1 - 2	
	Omnivorous lesfroller		
PANANAC (Massail)	Banana skipper	1 2	
BANANAS (Hawaii) Use calibrated pround equipment with adequate water to			
apply to point of runoff			
ORANGES	Fruit tree leafroiler	1-2	
	Orange dog	1/2 . 1	
ORANGES	Citrus cutworm	1-2	
Use 50 gallons weter minimum to 600 gallons maximum			
per acre when using ground equipment, and 10 gallons weter minimum per acre by aircraft.			
FILBERTS'	Tent caterpillar*	1 - 2	
*Apply when caterpillars are actively feeding (2-4th inster)	Filbert leafroller"	1-2	
"Apply at 10% egg hatch.			
PECANS'	Redhumped caterpillar	• .	
	Fall webworm	1-2	•
	Tent caterpillar		
WALNUTS'	Tent caterpillar		٠
Use 100 gallons water minimum per acre when using	Fall webworm	1-2	
ground equipment, and 10 gallons water minimum per acra- by succests.	Omnivorous leafroller		
and the second s	Redhumped caterpillar	14 1	•
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		• • • •
KIWI	Omnivorous leafroller	1 - 2	
	Fruittree leafroller	•	
	Cabbage looper		
	<u> </u>	•	
SHADE TREES, ORNAMENTALS, FOREST	Spring & Fall cankerworm	1/2 - 1	
	Fall webworm	- ·	
	Tent caterpillar	∀ ₁-2	
	Reditumped caterpillar Qakmoth larvae	•	
	- <u>-</u>	1-2	
	Gypsy moth'		

ACTUAL VALUE OF STREET

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Indian meal moth

Almond moth

To control and prevent indian meal moth and Almond moth infestations of stored grains and soybeans, prepare a spray mixture which includes one gallon of water for every 6 ounces THURICIDE HPC. The spray mixture may be applied either by treating the top 4 inches of grain as it is being augered into storage (applying 0.6 pint of mixture per bushel in the grain stream), or by treating the eurface of grain after it is in the bin The table below can be used as a guide in determining the total amount of THURICIDE HPC needed according to the bin diameter or the number of bushels to be treated

Bin Diameter (ft.)	Surface Area (sq. ft.)	Bushels (to 4 inch depth)	THURICIDE HPC Rate
8	50	13	6 oz.
12	113	30	14 oz.
16	201	53	24 oz.
20	314	84	1 qt., 2 oz.
24	452	120	1 qt., 20 oz.
28	615	163	2 qts., 8 oz.
32	804	214	2 qts., 28 oz.

To insure thorough coverage when making applications to the grain surface after it is in the bin, apply spray mixture in three applications. Mix the grain with a scoop or rake to a depth of 4 inches after each application.

Stored grain may be treated any time, but for best results, treat grein at the time it is placed into storage or shortly theresfor. Or in the early spring prior to egg laying. Full season control is normally experienced. Retreet only if reinfestation occurs

For the protection of begged grain, apply spray mixture to entire grain mass, and mix thoroughly prior to begging. THURICIDE HPC at 119 qts. per 10 gallons of water will treet approximately 100 bushels.

Treated green may be used at any time after treatment.

GREENHOUSE APPLICATION:

THURICIDE HPC may also be used in the greenhouse and on flowers at $\frac{1}{2}$ -1 qt. per gallons of $\frac{1}{2}$ attentions of $\frac{1}{2}$ listed insects on crops on this package label

- 1) To achieve adequate coverage of large trees or dense foliage, serial application of not less than 15 gps is preferred.
- 2) Suppression only.
- 3) FUNDAL* 4EC (EPA Reg. No. 2139-100) Nor-Am Ag Prod., Inc. FUNDAL* SP (EPA Reg. No. 2139-98) Nor-Am Ag Prod., Inc.
- 4) GALECRON* 4EC (EPA Reg. No. 100-551-AA) Ciba-Geigy Corp. GALECRON* SP (EPA Reg. No. 100-554-AA) Ciba-Geigy Corp.
- 5) GYPSY MOTH: Aerial Application

THURICIDE HPC may also be applied by air to prevent excessive defoliation by gypsy moth. For best results, spray when leaf expansion reaches 40%-50%, and respray 14 days later. Use two quarts of THURICIDE HPC in 1-4 gallons finished spray per acre. Incorporate in the spray mix an evaporation retardant such as molasses. Cargill's Insecticide Base polyethylene glycol E-400, and a film-forming sticker. To obtain thorough coverage use spray equipment suitable to deliver droplets with an average diameter of less than 300 microns.

STATE SLN (24C)

The following are based on Special Local Need registrations only

EPA SLN NO. AZ-780008

Directions for use of tank-mis combination of Thuncide HPC and Methomyl (Nudrin' or Lannate'') on cotton

Crop	Insecticide	Pest	Rate Per Acre
COTTON	Thuricide HPC	Tobacco budworm, Cotton bollworm	1 3 pts.
	Methomyl	Tobacco budworm, Cotton bollworm	0.45 to 0.575 (bs. a i

Apply at first sign of egg laying and newly hatched worms. Reapply at 3.6 day intervals as long as the worms are adequately suppressed Nudrin (EPA REG. NO. 201-347) T.M. Shell Chem. Co.

"Lannate (EPA REG. NO. 352-342) T.M. E.I. DuPont Co.

Crop Pest Ots. Per Acre

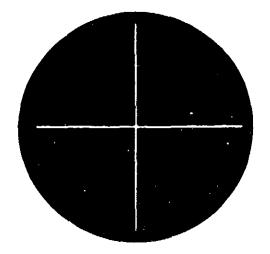
CALIFORNIA EPA SLN NO. CA-780121

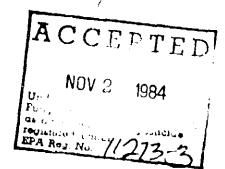
AVOCADOS Amorbia moth, Omnivorous leafroller,

Omnivorous looper, Orange tortrix

Applications may be made twice per year. Do not use in less than 10 gallons of water by aircraft not in less than 50 gallons of water, by ground ng. A special permit must be obtained from the county agricultural commissioner prior to this use.

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thuricide HP

WETTABLE POWDER

SPEGMEN LABEL

ACTIVE INGREDIENT Bacillus thuringiensis Berliner potency of 16,000 International Units
(at least 30 million viable spores) per millionam.

3.2%

(at least 30 million viable spores) per milligram 3 2% INERT INGREDIENTS 96 8%

100 0%

Equivalent to 7.2 billion International Units per pound

KEEP OUT OF REACH OF CHILDREN CAUTION

AVOID INHALATION OR CONTACT WITH EYES OR OPEN WOUNDS. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

STORE IN A COOL PLACE

DIRECTIONS FOR USE

GENERAL: Apply at first sign of infestation when worms are small and repeat at weekly intervals as needed to maintain control. Thuridide HP wettable powder attacks the lerval gut and must be esten by the insect to be effective. Thorough underleef coverage is, therefore, secential for best results. After eating Thuridide HP wettable powder, worms stop feeding and die within 2-3 days. Since to a active ingredient, Becilius thuringieneis, is exampt from tolerance requirements, Thuridide HP wettable powder may be applied up to the day of harvest.

MIXING: Pour recommended amount onto surface of partially filled apray tank. Maintain agitation until tank is filled to desired level. Spray tanks equipped with bypess agitation only should maintain pump droulation at full capacity until mixing is complete.

Use the higher rates against very heavy worm infestations, or where it is difficult to get good coverage due to rank foliage. Do not allow dilute sprays to stand in the tank for more than 12 hours. Combinations with chemical insecticides, fungicides, spreader-stickers, and stickers in the tank are generally not deleterious to Thuricide KP wettable powder if the mix is used promptly.

GROUND APPLICATION. Use recommended amount of Thuricide HP wettable powder in a minimum of 5 to 50 gallons of water, depending on the type of crop and requirements of state regulations. Add a sticker, adhesive or deposit builder where heavy dew or rain is encountered.

GROUND APPLICATION, TREES: Use recommended amount of Thuricide HP wettable powder in 100 gellding of water in high pressure, high gellonage, hydraulic sprayers. Wet foliage thoroughtly with apray but not to the point of excessive runoff. For mist blowers use recommended amount in 10 gellons of water. To prevent weshoff by rain add a sticker to the finished spray.

AERIAL APPLICATION: Use recommended amount of Thuridide HP wettable powder in 5 to 20 gallons of water. A sticker should be added under conditions of heavy dew or rain. Apply early morning an eventing when the air is calm.

CONTAINER DISPOSAL. Do not reuse empty container. Destroy or discard in safe place.

RECOMMENDATIONS: Thorough coverage is essential when using Thuri-side! HP Wettable Powder.

NOTICE: Sandox, Inc. makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on this label.





Sandoz, Inc. Crop Protection 480 Camino Del Rio So.

Сгор	Pest	Lbs per acre
ALFALFA	Alfalfa caterpillar	V ₁₁ . V ₄
ALMONDS'	Redhumped caterpillar	Vz. 1
ALMONDS, CHERRIES Apply when caterpillars are actively feeding (2.4th instar)	Tent caterpillar	½-1
APPLES, PEARS' Apply where eggs or newly hatched larvae first appear Continue applying as a part of the normal cover spray program until pest is adequately controlled	Redbanded leafroller Tufted apple budmoth Variegated leafroller Tent caterpillar Fruit tree leafroller Gypsy moth	<i>V</i> ₂ . 1
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, TURNIP GREENS	Cabbage looper Imported cabbage worm Diamondback moth Green cloverworm	V2-1 V4-3/4 V4-V2 V4-3/4
BEANS, BEETS, CARROTS, CELERY, CHARD, CHINESE CABBAGE (Choy sum), COS LETT: ICE, ENDIVE, ESCAROLE, GARLIC, KOHLRABI, LENTILS, LETTUCE, ONIONS, PARSLEY, RADISHES, SPINACH, SQUASH	Cabbage looper	V ₂ . 1
CUCUMBERS, MELONS Begin transment when worms are small to avoid damage and scarring to the crop.	Cabbage looper	1/2 - 1
EGGPLANT, PEPPERS	Temato hornworm Tomato fruitworm Cabbage looper	V ₄ -V ₂ V ₂ -1
CURRANTS, BLUEBERRIES, CANEBERRIES (BLACKBERRIES, DEWBERRIES, RASPBERRIES) Apply by ground equipment only. Begin treatment as soon as possible after hatching and before larvae are protected by leaf folds.	Omnivorous leafroller	V ₂ ⋅ 1
COTTON	Tobacco budworm, Cotton bollworm	V ₂ - 1

For the suppression of light to moderate infestations, apply at first sign of egg laying or newly hatched worms (1st and 2nd instar larvae). Reapply at 3.5 day intervals to sustain worm suppression or until adequate reduction of worm population is achieved. Use Thuricide. HP wettable powder under a peat management program that includes close scouting. If heavy worm populations occur it may be necessary to apply an insecticide with rapid knockdown and good larvicidal activity as a replacement. Apply from 5-15 gallons total spray per acre with ground equipment and from 2.5 gallons total spray per acre with serial equipment.

DIRECTIONS FOR USE OF TANK-MIX COMBINATIONS OF THURICIDE HP WETTABLE POWDER AND CHLORDIMEFORM
(FUNDAL) OR GALECRON' SP OR 4EC)

Crop	Insecticide	Pest	Rate per acre
COTTON	Thuricide HP	Tobacco budworm	/• 7₁ fb.
	+	Cotton ballworm	+
	chlordimetorm SP		Ve 1/4 lb. ·
	or		or '
	chlordimeform 4EC		1/4 - 1/2 'pt, ' .

Use Thuricide HP plus chlordimeform for a corribined ovicide / larvicide effect. Use the low rates for suppression of light infestations, and the high rates for suppression of moderate infestations. Apply at first sign of egg laying or newly hatched worms. Reapply at 3.5 day intersions sustain suppression, or until adequate worm reduction is schieved. Apply from 2.5 gallons total spray per acre with serial equipment. Eqi[hyviolitical] restrictions, safety precautions and directions contained on the FUNDAL or GALECRON labels.

DIRECTIONS FOR USE OF TANK MIX COMBINATIONS OF THURICIDE HP WETTABLE POWDER AND ELCAR INSECTICIDE (EPA REG. NO. 11273-17) IN THE SOUTHWEST, ONLY

Crap	Insecticide	Post	Rate per acre
COTTON	THURICIDE HP	Cotton bollworm	1/4 1/2 1b
	+	Tobacco budworm	+
	Elcar		1/10 - 1/0 lb

Use THURICIDE HP in combination with ELCAR for an increased larvecide effect. Use the low rate combination for light infestations, and use the high rate combination for control of moderate infestations. Apply at first sign of egg deposition or newly hatched worms, and repeat as long as egg deposition continues at 3.7 day intervals.

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Сгор	Pest	Lbs per acre
`.		77-1
COTTON	Cabbage tooper	71-1
PEANUTS	Cabbage looper Velvet bean caterpillar	1/4 - 3/4
	Podworms ²	V2 - 1
POTATOES	Cabbage looper	1/2 - 1
SOYBEANS	Suybean looper	1/2-3/4
	Cabbage looper	1/4 - 3/4
	Green cloverworm Velvetbean caterpillar	74 - 74
	Podworms ²	½-1
SUGARBEETS	Cabbage fooper	<i>1</i> /2 - 1
	Omnivorous leafroller 🔟	/#*
TOBACCO	Cabbage looper	1/2 - 1/4
	Tobacco budworm	1/4 - 3/4
TOMATOES	Iamato hornworm	1/4 - 1/2
OMATOES	Cabbage looper	
	Tomato fruitworm	1/2 - 1
WATERMELONS (Florida)	Rindworm complex	1/4 - 3/4
GRAPES	Grape leaf folder	½.1
Start treating as soon as possible after harching and before larvae are protected by leaf folds. Apply by ground equipment in up to 200 gallone total spray per acre to obtain thorough coverage of leaf surfaces.		
GRAPES	Omnivorous leafroller	V2 - 1
MINT	Cabbage looper	1/2 - 1
STRAWBERRIES	Cabbage looper Rough skinned cutworm	1/2-1
Use 20 gallons water minimum per acre when using ground equipment and 5 gallons water minimum per acre by sircraft.		
SUGAR MAPLE	Spring & Fall cankerworm	•
	Fall webworm	1/2 - 1
	Tent caterpillar Gypsy moth	
PEACHES, NECTARINES	Redhumped caterpillar :==	
	Tent caterpillar	V2-1
	Omnivorous leafroller —	
BANANAS (Hewaii)	Banana skipper	V2-1
Use calibrated ground equipment with adequate water to apply to point of runoff		
ORANGES	Fruit tree leafroller	. 1.
	Orange dog	1/2/2
ORANGES	Citrus cutworm	e e e e e e e e e e e e e e e e e e e
Use 50 gallons water minimum to 600 gallons maximum per acre when using ground equipment, and 10 gallons water minimum per acre by aircraft.		
FILBERTS'	Filbert afroller*	
Apply at 10% egg hatch apply when caterpillars are actively feeding. (2:4th mater)	Tent caterpillar**	1/2 - 1
PECANS'	Redhumped caterpillar	· • • • • • • • • • • • • • • • • • • •
	Fall webworm	72. 1
	Tent caterpillar	•••
WALNUTS' Use 50 gallons water minimum to 600 gallons maximum	Redhumped caterpillar Tent caterpillar	· 1/4/ (
per scre when using ground ecuipment, and 10 gallons	Fall webworm	½-1
minimum per scre by surcraft	Omnivorous leafroller	
KIWI	innibulius ina noller	$S_2 = 1$
	Fruittree leafroller	
•	Cabbage looper	
SHADE TREES, ORNAMENTALS, FOREST	Spring & Fell cankerworm	
_	Fall webworm,	
	Tent caterpillar	1/4 - 1/2
	Rednumped caterpillar	1/4 - 1
	Oakmoth larvae	

Gypsy moth*

1/2-1

STORED SOYBEANS AND GRAINS

Indian meal moth

To control and prevent: sitian meal moth and Almond moth infestations of stored soybeans and grains, prepare a spray misture which includes one gallon of water for is very tenth of a pound of THURICIDE HP svertable powder. The spray misture may be applied either by treating the top 4 inches of grain as it is buing augered into storage (applying 0.6 pint of misture per bushel in the grain stream), or by treating the surface of grain after it is in the bin. The table below can be used as a guide in determining the total amount of THURICIDE HP needed according to the bin diameter or the number of bushels to be treated.

Bin Diameter (ft.)	Surface Area (sq. fτ.)	Sushels (to 4 inch depth)	THURICIDE HP Rate (lbs.)
8	50	13	0.1
12	113	30	0.25
16	201	53	0.4
20	314	84	0.6
24	452	120	0.9
28	615	163	1.25
32	804	214	1 6

To insure thorough coverage when making applications to the grain surface after it is in the bin, apply spray mixture in three applications. Mix the grain with a scoop or rake to a depth of 4 inches after each application.

Stored grein may be treated enytime, but for best results, treat grein at the time it is placed into storage or shortly thereafter, or in the early spring prior to egg laying. Full season control is normally experienced. Re-treat only if reinfestation occurs

For the protection of begged grain, apply spray mixture to entire grain mass, and mix thoroughly prior to begging. THURICIDE HP at 1/2 per 10 gallons of water will treat approximately 100 bushels.

Treated grain may be used at any time after treatment

GREENHOUSE APPLICATION:

THURICIDE* HP wettable powder may also be used in the greenhouse and on flowers at $\frac{1}{4}$ - $\frac{1}{4}$ lbs. per 100 gallons of water for control of listed insects on crops on this package label.

- To achieve adequate coverage of large trees or dense foliage, serial application of not less than 15 gps is preferred.
- 2) Suppression only.
- 3) FUNDAL' 4EC (EPA Reg. No. 2139-100) Nor-Am Ag Prod., Inc. FUNDAL' SP (EPA Reg. No. 2139-98) Nor-Am Ag Prod., Inc.
- 4) GALECRON* 4EC (EPA Reg. No. 100-551-AA) Ciba-Geigy Corp. GALECRON* SP (EPA Reg. No. 100-554-AA) Ciba-Geigy Corp.
- 5) GYPSY MOTH: Aerial Application

THURICIDE HP we sable powder may also be applied by air to prevent excessive defoliation by gypsy moth. For best results, spray when leat expansion reaches 40%-50%, and respray 14 days later. Use one pound of THURICIDE HP wettable provider in 1-4 gallons finished spray per acre. Incorporate in the spray mix an evaporation retardant, such as molasses, Cargill's Insecticide Base, polyethylene glycol E-400, and a film-forming sticker. To obtain thorough coverage use spray equipment suitable to deliver droplets with an average diameter of less than 300 microns.

STATE SLN (24C)

The following are based on Special Li cal Need registrations only

ARIZONA FPA SLN NO. AZ-780007

Directions for use of tank-mix combination of Thurscide HP wettable powder and Methomyl (Nudrin' or Lannate'') on Jotto's

COTTON	Thuricide HP
	Methomyl

Tobacco budworm, Cotton bollworm
Tobacco budworm. Cotton bollworm

0.25 to 0.75 (bs. 0.45 to 0.675 lbs. a.i.

. . . .

Apply at first sign of egg laying and newly hatched worms. Reapply at 3.6 day intervals as long as the worms are adequately suppressed. Nudrin (EPA REG. NO. 201-347) T.M. Shell Chem. Co.

"Lannete (EPA REG. NO. 352-342) T.M. E.I. DuPont Co.