

# VAPOZIDE-24% SC

INSECTICIDE  
SUSPENSION CONCENTRATE

VAPCO

Class:  
Diacylhydrazine

An insecticide has a novel mode of action that mimics the action of the moulting hormone of lepidoptera larvae, effective against all larval instars; however, it is preferable to make applications to early instars to minimize feeding damage.

**COMPOSITION:** Each litre contains:

**METHOXYFENOZIDE**

**24% W/V (A.I)**

**PROPERTIES:**

**VAPOZIDE-24% SC:** Is an insecticide belongs to the Diacylhydrazine class of insecticides and has a novel mode of action that mimics the action of the moulting hormone of lepidoptera (moths, butterflies) larvae.

**VAPOZIDE-24% SC:** Make larval feeding typically ceases within hours of ingestion the product, but complete mortality of larvae may take several days.

**VAPOZIDE-24% SC:** Is a narrow spectrum insecticide that specifically targets lepidoptera, making it an ideal tool for integrated pest management (IPM).

**USES AND APPLICATION RATE:**

CROP	PESTS	APPLICATION RATE ML / 20 LT. WATER	APPLICATION TIMING	MINIMUM RE-TREATMENT INTERVAL	SAFETY PERIOD (DAYS)
Broccoli, Cabbage, Cauliflower	Worms (But For Cutworms Suppression Only)	6-12	For early season applications only to young crops and small plants. Apply at first sign of feeding damage.	----- Do not apply more than 1.893 lt of product /400lt water/year	3
		12-15	For mid to late season applications	----- Do not apply more than 1.893 lt of product /400 lt water/year	
			For heavy infestations	10-14 days Do not apply more than 1.893 lt of product /400 lt water/year	

• For more details about first aid & precautions please refer to first aid & precautions index.

<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE ML / 20 LT. WATER</b>	<b>APPLICATION TIMING</b>	<b>MINIMUM RE-TREATMENT INTERVAL</b>	<b>SAFETY PERIOD (DAYS)</b>
<b>Broccoli, Cabbage, Cauliflower</b>	Diamond back Moth	18-24	Apply at initiation of egg laying	----- Do not apply more than 1.893 lt of product /400 lt water/year	3
<b>Citrus (Lemon, Grapefruit, Kumquat, Pummelo, Mandarin, Orange)</b>	Leafminer Cutworm Leaf Roller	12-24	Apply at the first observation of the pests on the flushing leaves	14 days - Do not apply more than 1.893 lt of product /400 lt water/year - Do not make more than 4 application per year.	14
<b>Corn, Sweet Corn</b>	Corn Borer Cutworms	6-24	Apply at first sign of egg hatch	5 days - Do not apply more than 1.893 lt of product /400 lt water/year - Do not make more than 4 application per year.	21
<b>Sorghum</b>	Corn Borer Sugarcane Borer Cutworms	6-18	Apply at first sign of egg hatch	10 days "for heavy infestations" - Do not apply more than 1.420 lt of product /400 lt water/year	21
<b>Cucurbits (Muskmelon, Cucumber, Watermelon, Squash, Pumpkin)</b>	Worms	6-15	Apply at first sign of infestation, targeting eggs and larvae	7 days - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 4 application per year.	3

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<b>Dates (Palm Trees)</b>	Date Moth	15-30	- For the control of light infestations, begin applications before egg hatch of each generation and before the larvae penetrate the fruit. - For the control of heavy infestations of moth and eggs, use the highest specified rate. Maintain coverage on the fruit surface with 10-18 day retreatment intervals.	10 days - Do not make more than 3 applications per year. - Do not apply more than 1.893 lt of product /400 lt water/year.	7
<b>Eggplant, Sweet Pepper, Hot Pepper, Okra, Tomato</b>	Cutworms European Corn Borer	6-12	For early season applications only to young crops and small plants. Apply at first sign of feeding damage	7 days - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 4 application per year.	3
		12-24	- For mid to late season applications, heavier infestations. - For heavy infestations, apply on larvae in all stages of development, 7-14 day retreatment interval is required to protect new growth.		
	Fruit Worm, Tomato Leafminer (Suppression only)	15-24	- Apply at first sign of feeding damage. - For leafminer control, Infestations are reduced when applied at initiation of egg laying.		

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Artichoke	Armyworm Moth	6-24	- Apply at egg hatch or when first signs of feeding occur. - Under conditions of heavy infestations, reapply product or another effective product at a minimum application interval of 7 days to protect new growth.	7 days - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 4 application per year.	4
Green Onion	Corn Borer Larvae Cutworms moth larvae	6-12	Only to young crops and small plants. Apply at first sign of feeding damage.	10 days "for heavy infestations" - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 4 application per year.	3
		12-18	- For mid to late season applications and heavier infestations. - For heavy infestations, reapplication can be made at a minimum 10 days.		

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Legumes (Red Bean, Chickpeas, Pea, Black-Eyed Pea, Cowpeas, Broad Bean)	Worms Borer	6-12	For early season applications only to young crops and small plants. Apply at first sign of feeding damage	7 days - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 4 application per year. - Do not make more than 2 consecutive applications of <b>VAPOZIDE-24% SC</b> - Do not use adjuvants in the tank mix when applying this product (oxidizing agents) - Do not apply by ULV.	7
		12-24	for Mid to late season and in heavy infestation. In heavy infestation repeat application within 7-14 day		
	Corn Worms (Suppression Only)	15-24	Apply at first sign of feeding damage.		
	Tomato Leaf and Fruit worm (Suppression Only)		For fully control, apply at first sign of egg laying.		
Ornamentals	Moth Worms Leaf Rollers Cutworms	6-24	Begin applications when larvae are observed or at the first sign of feeding damage.	10-14 day - Do not apply more than 0.950 lt of product /400 lt water/year. - Do not make more than 4 application per year.	---
Carrot, Chicory, Radish, Spanish, Sugar Beet, Turnip	Cutworms	12-24	- Begin applications when larvae are observed or at the first sign of feeding damage. - Under heavy infestations, reapply to protect new growth.	14 days - Do not apply more than 1.893 lt of product /400 lt water/year (except radish). - For radish, "do not apply more than 0.950 lt of product /400 lt water/year"	3 "except sugar beet 7"

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Apple, Pear, Loquat, Quince	Diamond back moth (Suppression Only)	24	For each generation apply at the initiation of egg lay.	----	14	
	Apple Worm Fruit Moth	18-24				
	Leaf Roller Bud Moth Apple Moth	12-14	Spring generation: make 1 to 2 applications during the pink to petal fall period depending upon infestation level. Summer generation: Make the first application during the period of peak egg lay to early egg hatch. For leaf roller apply when larvae are feeding.			- Application is allowed only for the last 2 applications prior to harvest. - Do not apply more than 1.893 lt of product /400 lt water/year. - Retreat when infested with fruit worm with 10-14 day retreatment intervals.
	Apple Bud Moth	9-15	For each generation, apply at 10 to 30% egg hatch.			
	Leafminer	12-18	First generation: Apply during the pink to petal fall. Second, third. generation: Apply at early egg hatch for each generation.			
	Fruit Worm	18	Apply at egg hatch stage or at the first sign of larval infestation.			
Apricots, Nectarines, Peaches, Plums, Prunes	Codling Moth Fruit Moth	15-24	For control of light to moderate infestations, begin applications before egg hatch of each generation and before the larvae penetrates the fruit.	10-18 days "it is preferable to alternate with other insecticides" - Do not apply more than 1.893 lt of product /400 lt water/year.	14	

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Apricots, Nectarines, Peaches, Plums, Prunes	Peach Borer	12-24	Apply at initiation of egg hatch before larvae enter the fruit.	10-14 days Do not apply more than 1.893 lt of product /400 lt water/year	14
	Grapevine Moth Apple Moth Leaf Roller		- Most effective crop protection results from application made at the initiation of egg hatch. - For control of surface or foliar feeding leaf roller larvae, apply when larvae are feeding. - For heavy infestations use the maximum rate	10-18 days Do not apply more than 1.893 lt of product /400 lt water/year	
	Fruit Worm	15-24	Apply at initiation of egg hatch or at the first sign of larval feeding	10-14 days Do not apply more than 1.893 lt of product /400 lt water/year	
	Red Humped Caterpillar	12-24			
Almonds	Peach Borer	12-24	Spring generation: Make 1 to 2 applications during the bloom to petal fall period depending upon infestation level. Summer generation: Begin applications at peak moth flight.	14-18 days - Do not make more than 1-2 applications per year. - Do not apply more than 1.893 lt of product /400 lt water/year.	14
	Orange Worm	18-35	- Make first application at the initiation of hull split. - Under heavy infestation, reapply a third time 14 days later.	14 days - Do not make more than 4 applications per year. - Do not apply more than 1.893 lt of product /400 lt water/year.	

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Avocado, Guava, Mango, Papaya	Larvae Of : - Grapevine Moth - Guava Moth - Leafroller - Apple Moth - Worms	15-24	- Apply at egg hatch or when first signs of feeding occur. - Use a higher rate for heavier infestations.	6 days "guava, avocado"  10 days "mango, papaya"  - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 5 applications per year.	14
Sweet Potato	Worms	9-15	- Apply at egg hatch or when first signs of feeding occur - Under heavy infestations, reapply to protect new growth.	14 days - Do not apply more than 1.893 lt of product /400 lt water/year. - Do not make more than 3 applications per year.	7
Mint	Cutworms	15-24	Use a higher rate for high infestations.	14-21 days "for heavy infestations"	14

**CAUTION:**

- Used only on above-mentioned crops and follow the recommended safety period before harvest.
- It is preferable to make applications to early instars to minimize feeding damage.
- The product must be ingested by insect larvae to be fully effective.
- Do not apply during temperature inversions.

**RE-ENTRY PERIOD:**

4 hours from last application.

**COMPATIBILITY:**

- Compatible with other pesticides, do not mix with Oxidizing agwnnts, but compatibility test is recommended before 24 hours from spraying.

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