VAPOGEN-20% SC

INSECTICIDE
SUSPENSION CONCENTRATE

VAPCO

Class: Diamide

Systemic insecticide primarily Acts by ingestion and secondarily by contact, used as broad-spectrum insecticide for the treatment of trees, vegetables, and other crops.

COMPOSITION: Each litre contains:

CHLORANTRANILIPROLE	20% W/V (A.I)

PROPERTIES:

VAPOGEN-20% SC: Insecticide contains a unique active ingredient chlorantraniliprole used to control a wide range of insects.

VAPOGEN-20% SC: Has systemic translocation in the plant after soil application to the root zone and translaminar activity after foliar application.

VAPOGEN-20% SC: Highly effective during larval stages, but in several species there is also an ovicidal effect.

VAPOGEN-20% SC: Used as a part of an IPM program.

USES AND APPLICATION RATE:

CROP	PESTS	FOLIAR APPLICATION (ML/ 20 LITER)	DRIP CHEMIGATION (ML/ 20 LITER)	SOIL APPLICATION (ML/ 20 LITER)	MAX. NUMBER OF APPLICATION / CROP	MINIMUM INTERVAL BETWEEN TREATMENT (DAYS)	SAFETY PERIOD
Onion, Garlic, Leek	Beet armyworm	5-11	---	---	4	7	3
Broccoli, Cabbage, Mustard, Kale, Cauliflower	Beet armyworm, Diamond back moth, Cabbage moth, Corn earworm, Cabbage worm	5-11	5-11 at the second half of growing cycle.	5-11	4 for foliar application, 1 for soil application, 2 for drip chemigation	3 days foliar, 10 days drip chemigation	3
Barley, Oats, Rye, Wheat	Corn earworm, Beet armyworm, Fall armyworm, Corn stem borer	5-11	---	---	4	7	3
Corn	Corn earworm, Corn stem borer, Beet armyworm, Fall armyworm,	5-11	---	7-11	4 for foliar application	7	3
	Grasshoppers	3-7					

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

CROP	PESTS	FOLIAR APPLICATION (ML/ 20 LITER)	DRIP CHEMIGATION (ML/ 20 LITER)	SOIL AT PLANTING (ML/ 20 LITER)	MAX. NUMBER OF APPLICATION / CROP	MINIMUM INTERVAL BETWEEN TREATMENT (DAYS)	SAFETY PERIOD
Cucumber, Okra, Muskmelon, Watermelon, Pumpkin, Squash	Beet armyworm, Cabbage moth	5-11	5-11	5-11	4 for foliar application, 1 for soil application, 2 for drip chemigation	5 days for foliar application, 10 days for drip chemigation	3
	Leafminers (larvae), Whitefly (nymphs)	7-11	7-11	7-11			
	Melon worm	3-5	3-5	3-5			
Eggplant, Chili Pepper, Sweet Pepper, Tomato	Beet armyworm, Fall armyworm, Moths, Tomato fruitworm, Tomato Budworm	5-11	5-11	5-11	4 for foliar application, 1 for soil application, 2 for drip chemigation	5 days for foliar application, 10 days for drip chemigation	3
	Leafminers (larvae), Whiteflies (nymphs	7-11	7-11	7-11			
Celery, Spinach, Parsley, Lettuce,	Beet armyworm, diamond back moth, corn earworm, cabbage moth, tobacco budworm	5-11	5-11	5-11	4 for foliar application, 1 for soil application, 2 for drip chemigation	3 days for foliar application, 10 days for drip chemigation	3
	Leafminers (larvae), Whiteflies (nymphs)	7-11	7-11	7-11			
	Grasshoppers	5-7	---	---			
Bean, Broad Bean, Peas, Chickpeas	Corn earworm, Beet armyworm, Corn stem borer, Fall armyworm, Cabbage moth.	5-11	---	7-11	4 for foliar application, 1 for soil application	3 days for foliar application	3
	Leafminers (larvae), Whiteflies (nymphs)	11	---	---			
	Grasshoppers	3-7	---	---			
Mint	Armyworms, Cutworms, Moth	5-11	---	---	4 for foliar application	14 days for foliar application	3
Potato	Beet armyworms, cabbage moth, corn earworm, potato tuber worm	5-11	---	---	4 for foliar application	5 days for foliar application	14
	Grasshoppers	3-7	---	---			
Beet, Carrot, Radish, Sweet Potato, Turnip.	Beet armyworm	5-11	---	---	4 for foliar application	3 days for foliar application	3
	Grasshoppers	5-7					

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CROP	PESTS	FOLIAR APPLICATION (ML/ 20 LITER)	DRIP CHEMIGATION (ML/ 20 LITER)	SOIL AT PLANTING (ML/ 20 LITER)	MAX. NUMBER OF APPLICATION / CROP	MINIMUM INTERVAL BETWEEN TREATMENT (DAYS)	SAFETY PERIOD
Strawberry	Beet armyworm, Cabbage moth, Corn earworm, Light brown apple moth	5-11	---	---	4 for foliar application	7 days for foliar application	3
Sugarcane	Sugarcane borer, Mexican rice borer	5-11	---	---	4 for foliar application	7 days for foliar application	3
	Grasshoppers	3-7					
Tobacco	Potato tuber moth, Tobacco budworm, Tomato worm, Tobacco worm	5-11	---	7-11	4 for foliar application, 1 for soil at planting	3 days for foliar application	3

CAUTION:
- Used only on above mentioned crops and follow the recommended safety period before harvest.
- Do not apply **VAPOGEN-20% SC** on seedlings.
- Do not use in nurseries, plant propagation houses, or green houses that include plants being grwon for translplanting.
- Do not spry **VAPOGEN-20% SC** on ornamentals plants or plants being grown for ornamental purposes.

- **For soil application:** do not apply more than 11 ml/20 liter per crop.

- **For drip chemigation:**
- **VAPOGEN-20% SC** must be applied in a manner that ensures the product is in the root zone.
- Manage irrigation so that significant quantities of **VAPOGEN-20% SC** remain in the root zone.
- Do not begin applications until crop emergence.
- Do not make application if soil moisture is below the level required for active plant growth.

- **Diamond back moth:** do not apply **VAPOGEN-20% SC** more than twice to any generation of diamond back moth or before 30 day from first spray.

- **Grasshopper:**
- Apply when grasshopper are active. Correct time of spray application at nymphal stages and thorough coverage is critical to achive control.
- Performance is improved with the addition of spreding agent at 1% v/v from spray volume, apply when eggs have hatched and the majority of the grasshopper populations in 2nd-3rd instar nymphs, do not make more than two applications of **VAPOGEN-20% SC** before rotating to another insecticide having a different mode of action.
- When pest populations are high, use the highest listed application rate.
- Best time for application when insects are laying eggs, eggs hatch and / or newly hatched larvae, before populations reach damage levels.

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RE-ENTRY PERIOD:
24 hours from last application.

COMPATIBILITY:
Not compatible with liquid fertilizers, but compatibility test is recommended before spraying.

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