

SPANOSECT-MAX

INSECTICIDE
SUSPENSION CONCENTRATE

VAPCO

Class:
Spinosyns

Insecticide used to control lepidoptera larvae (worms or caterpillar) leafminers and thrips.

COMPOSITION: Each LT. Contains:

SPINOSAD

48 % W/V (A.I)

PROPERTIES:

SPANOSECT MAX: insecticide derived from fermentation of *Actinomycete saccharopolyspora spinosa*.

SPANOSECT MAX: broad-spectrum insect control in a variety of crops.

USES AND APPLICATION RATE :

CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Chard	Lepidoptera, Thrips	20 ml/ 100 liter of water	1	---	1000 l/ha	Exclusively outdoors. Maximum dose: 0.2 l/ha.
Garlic	Lepidoptera, Spotted Wing Drosophila, Thrips	20 - 25 ml/ 100 liter of water	2	8	---	Apply by normal spraying with a tractor or by hand. Do not exceed the maximum dose of 0.2 l/ha.
Apricot	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	2	7	---	Maximum dose: 0.25 l/ha.
Artichoke	Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Maximum dose: 0.25 l/ha.
Cotton	Lepidoptera	100 - 150 ml/ ha	3	7	---	Begin treatments when the eggs begin to hatch.
Celery	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	1	---	1000-1250 l/ha	Exclusively for crops for celery leaf production. Maximum dose: 0.25 l/ha.
Fruit Trees	Lepidoptera, Spotted Wing Drosophila, Thrips	20 - 25 ml/ 100 liter of water	3	7	---	(Greenhouse use only). (Exclusively for blackberry, raspberry, blueberry/bilberry, and currant). Apply using lance or spray gun. Do not exceed the maximum dose of 0.25 l/ha.

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

CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Eggplant	Thrips	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Maximum dose 0.25 l/ha and application.
Watercress	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	3	7	---	Maximum dose per application 0.25 L/ha.
Broccoli	Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Outdoor only. Maximum dose 0.2 l/ha.
Squash	Fruit flies, Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	3	7	---	[Secondary use] Exclusively against greater melon fly /Pumpkin Fly, Dacus frontalis. in Greenhouse and protected area. Maximum dose 0.25 l/ha and application. Thrips application can be done in Greenhouses, outdoors & in protected areas.
Pumpkin	Fruit flies,	20 - 25 ml/ 100 liter of water	3	7	800-1000 l/ha	Outdoors, greenhouse and protected use. Max 0.25 L/ha. Apply by normal spraying with a tractor.
	Thrips					[Secondary use] Exclusively against Pumpkin Fly, Dacus frontalis. Outdoors, greenhouse and protected use. Max 0.2 L/ha. Apply by normal spraying with a tractor before or after full flowering).
	Lepidoptera		2			Outdoors, greenhouse and protected use. Max 0.2 L/ha. Apply by normal spraying with a tractor before or after full flowering).
Onion	Thrips	0,2 l/ha	2	8	500-1000 l/ha	Apply by spraying with a tractor.
Chive	Lepidoptera	20 - 25 ml/ 100 liter of water	2	8	---	apply by normal spraying with a tractor or by hand. Do not exceed the maximum dose of 0.2 l/ha.

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CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Cherry tree	Thrips, Fruit Fly, Lepidoptera	20 - 25 ml/ 100 liter of water	2	8	---	apply by normal spraying with a tractor or by hand. Do not exceed the maximum dose of 0.25 l/ha.
Plum tree	Thrips, Fruit Fly, Lepidoptera	20 - 25 ml/ 100 liter of water	2	8	---	apply by normal spraying with a tractor or by hand. Do not exceed the maximum dose of 0.25 l/ha.
Brussels sprouts	Lepidoptera	0,2 l/ha	2	8	500 – 800 l/ha	Apply by spraying with a tractor. Apply in vegetative stage.
Cauliflower	Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	outdoor only. Maximum dose 0.2 l/ha.
Blackthorn	Thrips, Fruit Fly, Lepidoptera	20 - 25 ml/ 100 liter of water	2	8	---	apply by normal spraying with a tractor or by hand. Only for treatments of commercial plantations. Do not exceed the maximum dose of 0.25 l/ha.
Spinach	Thrips, Lepidoptera	20 ml/ 100 liter of water	1	---	1000 l/ha	Outdoors only. Maximum dose: 0.2 l/ha.
Strawberry	Thrips, Fruit Fly, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Maximum dose per application 0.25 l/ha. In greenhouse apply with lance or spray gun
Green pea	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	1	---	1000–1250 l/ha	Peas with and without pods. Maximum dose: 0.25 l/ha.
Faba bean	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Maximum dose per application 0.25 l/ha.
Aromatic herbs and edible flowers (royal sage, rosemary, thyme, basil and tarragon.)	Thrips	20 - 25 ml/ 100 liter of water	1	---	1000–1250 l/ha	Includes: royal sage, rosemary, thyme, basil and tarragon. Maximum dose: 0.25 l/ha.

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CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Vegetables (Plant seed production)	Coleoptera	0.2 liter/ ha	1	---	500-1000 l/ha	Plant seed production: Apply by normal spraying with a tractor in pre-flowering.
Green bean	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Maximum dose per application 0.25 l/ha.
Laurel	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	1	---	1000 -1250 l/ha	Exclusively for crops for food consumption. Maximum dose: 0.25 l/ha.
Lettuce	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	outdoor only crops. Maximum dose 0.25 l/ha.
Grain legumes	Pea moth, beetle, weevils.	0.2 liter/ ha	1	---	500-1000 l/ha	Plant seed production: Apply by spraying with a tractor in pre-flowering.
Sweet corn	European corn borer, corn borer, stalk borers	100 – 150 ml/ ha	2	14	---	Apply by pivot, using only 250 ml containers.
Corn	Lepidoptera	0.2 l/ha	2	10	800-1000 ml/ha	Corn seed production plant: Outdoors/Greenhouse. Tractor spraying. Apply avoiding flowering
Apple	codling moth	25 ml/ 100 liter of water	1	---	---	Begin treatments when the eggs begin to hatch. Maximum dose 0.3 l/ha.
Peach tree	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	2	7	---	The cultivation of peach trees includes different varieties (nectarine, etc.) small trial must be conducted to overcome any phytotoxicity which may occur. Max dose 0.25 l/ha. per application.
Melon	Lepidoptera	20 - 25 ml/ 100 liter of water	2	7	800-1000 ml/ha	Outdoors, greenhouse and protected use. Max 0.25 L/ha. Apply by normal spraying with a tractor.

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CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Melon	Fruit fly	20 - 25 ml/ 100 liter of water	2	7	800-1000 ml/ha	[Secondary use] Exclusively against Pumpkin Fly, <i>Dacus frontalis</i> . Outdoors, greenhouse and protected use. Max 0.2 L/ha. Apply by normal spraying with a tractor. Apply from BBCH 14 to BBCH 89 (before or after full flowering).
	Thrips					Outdoors, greenhouse and protected use. Max 0.2 L/ha. Apply by normal spraying with a tractor. Apply from BBCH 14 to BBCH 89 (before or after full flowering).
Quince tree	Codling Moth, Lepidoptera	25 ml/ 100 liter of water	2	14	800 liters of water	Max. of 0.2 L of/ha. Apply by normal spraying with a tractor in post-flowering.
Mulberry trees	Thrips, Fruit Fly, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	(Greenhouse use only). (Exclusively for fruit production; white or black blackberries). Apply using lance or spray gun. Do not exceed the maximum dose of 0.25 l/ha.
Chinese mustard	Thrips, Lepidoptera	25 ml/ 100 liter of water	1	---	1000-1250 liter/ha	Maximum dose: 0.25 l/ha.
Herbaceous ornamentals	Beetles	0.2 liters /ha	1	---	500-1000 liters/ha	Exclusively for crops for seed production: Apply by normal spraying with a tractor in pre-flowering.
	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water			1000-1250 liter/ha	Exclusively for crops to obtain edible flowers. Maximum dose: 0.25 l/ha.
Potato	potato beetle,	50 - 75 ml/ha	3	7	----	----

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CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Cucumber	Fruit Fly,	20 - 25 ml/ 100 liter of water	3	7	---	[Secondary use] Exclusively against Pumpkin Fly, <i>Dacus frontalis</i> . Outdoors, greenhouse and protected use. Maximum dose 0.25 l/ha and application.
	Thrips					Outdoors, greenhouse and protected use. Maximum dose 0.25 l/ha and application.
Pear tree	codling moth,	25 ml/ 100 liters of water	1	---	---	Begin treatments when the eggs begin to hatch. Maximum dose 0.3 l/ha. For nashi, apply by spraying with a tractor in post-flowering, maximum 2 applications with an interval of 14 days at a dose of 25 ml/hl, broth volume of 800 ml/ha with a maximum of 0.2 l pf/ha.
	Lepidoptera	25 ml/ 100 liters of water	2	14	800 liters/ ha	Exclusively for nashi. Max. of 0.2 L pf/ha. Apply by spraying with a tractor in post flowering.
Parsley	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	1	---	1000–1250 liter/ha	Maximum dose: 0.25 l/ha.
Chervil	Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	1	---	1000–1250 liter/ha	Maximum dose: 0.25 l/ha.
Pepper	Western flower thrips, Lepidoptera, Thrips	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Do not exceed 0.25 l/ha and application.
banana tree	Lepidoptera, Beetles, Thrips,	20 - 25 ml/ 100 liter of water	1	---	---	Begin treatments when the eggs begin to hatch. Maximum dose 0.3 l/ha.
Leek	Thrips	0.2 liter/ha	2	9	500-1000 l/ha	Apply by normal spraying with a tractor.
Sugar beet	Lixus Snout Beetle	0.2 liter/ha	2	8	500-1000 l/ha	Plant seed production: Apply by normal spraying with a tractor in pre-flowering.

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CROP	PEST	APPLICATION RATE	NO. OF APPLICATION	INTERVAL	SPRAY VOLUME	REMARKS
Cabbage	Lepidoptera	0.2 liter/ha	2	8	500-800 l/ha	Apply by spraying with a tractor in a vegetative state.
Roses	Fruit fly, Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	(only use a greenhouse). (Exclusively for fruit production). Apply using lance or spray gun. Do not exceed the dose maximum of 0.25 l/ha.
Arugula	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	1	---	1000–1250 liter/ha	Maximum dose 0.25 l/ha.
Watermelon	Fruit fly, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. [Secondary use] Exclusively against Pumpkin Fly, <i>Dacus frontalis</i> . Outdoors, greenhouse and protected use. Start treatments before flowering if adult flight is detected. Maximum dose 0.25 l/ha.
Elderberries	Fruit fly, Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	3	7	---	(only use a greenhouse). (Exclusively for fruit production; elderberries). Apply using lance or spray gun. Do not exceed the maximum dose of 0.25 l/ha.
Tomato	Thrips, Lepidoptera, western flower thrips	20 - 25 ml/ 100 liter of water	3	7	---	Outdoors, greenhouse and protected use. Do not exceed 0.25 l/ha and application
Purslane	Thrips, Lepidoptera	20 - 25 ml/ 100 liter of water	1	---	1000–1250 liter/ha	Maximum dose: 0.25 l/ha.
Grapes	Thrips, flea beetles, Colorado potato beetle, White spotted rose beetle, Moth, vine leafroller tortrix, European grape worm,	20 - 25 ml/ 100 liter of water	2	7	200 – 500 liters/ha	In table and grapes, maximum dose of 0.2 l/ha.

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CAUTIONS:

- Used only on above mentioned crops and follow the recommended safety period before harvest
- Greenhouse: in strawberry fields, 1 day; in squash, eggplant, melon, pumpkin, cucumber, watermelon and plants for the production of corn seeds, 3 days.
- Outdoors: in strawberry fields, 1 day; in squash, eggplant, melon, pumpkin, cucumber and watermelon, 3 days; in stone fruit trees, 1 day if a single application is made, and 14 days when 2 applications are made; in apple, pear and banana trees, 4 days; 14 days in the case that 3 applications are made; in table and vine grapes, 2 days in the case that a single application is made, and 10 days in the case that 2 applications are made.
- Do not use where there are bees actively foraging.
- For use against thrips in melon and leek crops, during the period of arrival of adult insects on the plot, before applying the product, a treatment with a specialized product that has a strong shock effect must first be applied.
- In the greenhouse, keep the bee colonies closed during the application. Once the spray broth is dry, the colonies can be reopened in the greenhouse.
- In the case of crops where insects and/or predatory mites (*amblyseius* spp., *orius* spp., *coccinella*, *typhlodromus*) or parasites of the hymenoptera family (*encarsia formosa*, *trichogramma brassicae*, *aphidius*) for biological control, treat with spanosect max preferably before release in order to start the culture with the lowest level of possible plague. After releases, it is recommended to apply once their populations are well established and the weather conditions remain suitable for their recovery (spring, summer and early autumn).

RE-ENTRY PERIOD:

48 hours from last application.

COMPATIBILITY:

Compatible with most products except highly alkaline compound and compatibility test is recommended before application.