



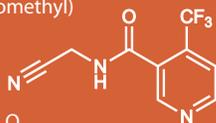
Embark™ 90SC

Soft chemistry, novel, contact and stomach insecticide, with systemic and translaminar activity for the control of insect pests and spidermites on a wide range of crops.

Flonicamid:

- Pyridincarboxamide insecticide

- N-(cyanomethyl)-4-(trifluoromethyl)pyridine-3-carboxamide



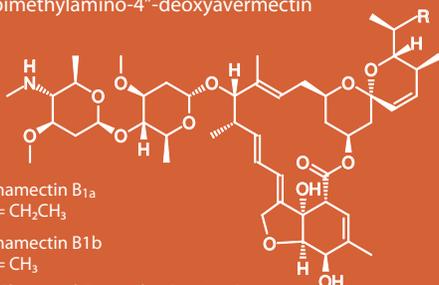
- Chemical Formula: $C_9H_6F_3N_3O$

Flonicamid is a systemic insecticide with a novel mode of action.

Flonicamid's mode of action is different from any other insecticide. Flonicamid belongs to IRAC Group 29 and is the only insecticide in this class.

Emamectin-benzoate:

- Avermectin insecticide
- 4''-Deoxy-4''-epi-methylaminoavermectin B1; Epimethylamino-4''-deoxyavermectin



Emamectin B_{1a}
R = CH₂CH₃

Emamectin B_{1b}
R = CH₃

- Chemical Formula: $C_{49}H_{75}NO_{13}$

Emamectin-benzoate is a natural fermentation product obtained from soil microorganisms. Emamectin-benzoate has a unique mode of action which is different from any other insecticide. Acts by interfering with the pest's nervous system, causing them to lose cell function and stop feeding. The larvae die in 2-4 days.
IRAC Group: 6 (Chloride channel activators)

Flonicamid 70g/ Lt + Emamectin-benzoate 20 g/ Lt

- Unique synergetic mixture of a Synthetic and a Fermentation product
- Contact, translaminar and systemic action

IPM Compatible

- Embark 90SC has relatively low impact on beneficial organisms following application.
- Always apply late in the evening when bees are not foraging.
- Embark 90SC has a good toxicological, environmental and eco-toxicological profile
- Flonicamid exhibits excellent performance for control of almost all important soft body insects
- Flonicamid has no negative impact on pollinating insects or natural enemies.
- Flonicamid provides a new option for integrated pest management programs due to its soft toxicological, and eco-toxicological profile.

Application timing

- Embark 90SC is recommended to be applied upon the pest appearance
- Ensure thorough coverage of the canopy with the spraying mixture.

In case of high pest pressure, repeat application at 7-10 days intervals, with no more than 4 applications per growing season.

Directions For Use:

Embark 90SC should be mixed with water to be ready for use. It may be applied with any type of spraying equipment.

Rate of Application

CROPS	PEST	RATE
Ornamentals	Aphids, Thrips, Whiteflies, Mealybugs, Leafhoppers, Spidermites, Leafminers, Lepidoptera pests	0.25 - 0.35 Lt/Ha
Vegetables (Peppers, Tomato, Cruciferae, Carrots, Paprika, Peppers, Eggplant)	Aphids, Thrips, Whiteflies, Mealybugs, Leafhoppers, Spidermites, Leafminers, Lepidoptera pests	0.25 - 0.35 Lt/Ha
Potatoes, Beans, Soybean	Aphids, Thrips, Whiteflies, Mealybugs, Leafhoppers, Spidermites, Leafminers, Lepidoptera pests	0.25 - 0.35 Lt/Ha
Maize, Wheat	Aphids, Thrips, Whiteflies, Mealybugs, Leafhoppers, Spidermites, Leafminers, Lepidoptera pests	0.25 - 0.35 Lt/Ha

Always alternate with insecticides with different mode of action through the season to prevent the development of resistant pests.

Important Note:

The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the official registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved by the ministry of agriculture at the country of use.

Field Trials

Extensive field research has proven the efficacy of Embark 90SC. In Hasselt, Belgium (201&) the following results were obtained:

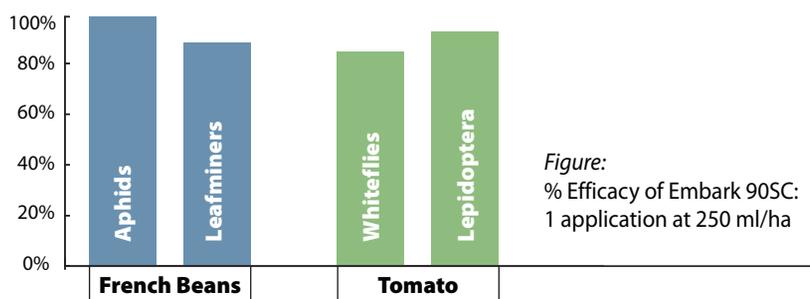


Figure:
% Efficacy of Embark 90SC:
1 application at 250 ml/ha

Untreated



Control Tomato plant

Treated



Tomato plant treated with Embark 90SC

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