

Production Date :
Expire Date :
Batch Number :
License Date and Number. :

GENERAL INFORMATION:

Derivate Suspension is a concentrate formulate insecticide with contact and gastrict effect that is used for the campaign against pests in the grapes, cotton, corn, tomato, apple and hazel. It is effective on the all phases of pest larvas. Derivate effects on pests by plugging on their sodium channels of neurons and after a while of disinfection the nourishment and other activities of the pests will stop. Between 24 and 60 hours the pests die. Derivate does not effect of the drying of the medicine on the herb and falls; there is no need to repeat the disinfection.

PLANTS AND PESTS TO BE USED FOR

Plant	PEST	USAGE DOSAGES and PERIOD	THE PERIOD BETWEEN THE LAST SPR AND HARVES
Vineyard	European Grapvine Moth (<i>Lobesta Botrana</i>)	25 ml / 100 l water Larva	3 days for table grape, 10 days for wine grape
Cotton	Cotton American Boll Worm (<i>Helicoverpa armigera</i>)	45 ml / deccare Larva	14 days
	Cotton Leaf Worn (<i>Spodoptera littoralis</i>)	40 ml / deccare Larva	
Corn	Corn Stalkborer (<i>Sesamia nonagrioides</i>)	30 ml / deccare Larva	3 days
	European Corn Borer (<i>Ostrinia nubilalis</i>)	30 ml / deccare Larva	
Tomato	Tomato bollworm (<i>Helicoverpa armigera</i>)	40 ml / deccare (field) Larva	3 days
	Tomato Leaf worm (<i>Spodoptera littoralis</i>)	35 ml / 100 l water (greenhouse) Larva	
Apple	Codling moth (<i>Cydia pomonella</i>)	35 ml / 100 l water Egg-Larva	14 days
Hazelnut	Hazelnut Weevil (<i>Curculio Nucum</i>)	45 ml/deccare Major	14 days
Greenpepper(Gh)	Bollworm (<i>Helicoverpa armigera</i>)	40 ml/deccare Larvae	3 days

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DERIVATE

Suspension Concentrate (SC)

Name and quantity of the active component:

150 g Indoxacarb in a liter.

Methyl (S)-N-[7-chloro-2,3,4a,5-tetrahydro-4a-(methoxycarbonyl)indeno[1,2-e][1,3,4]oxadiazin-2-ylcarbonyl]-4'-(trifluoromethoxy)carbanilate

GROUP	22-A	INSECTICIDE
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READ THE LABEL FIRST.

DO NOT USE AT HOME.

KEEP OUT OF REACH OF CHILDREN, FOOD AND ANIMAL FEED.

AVOID İNHALATION OF VAPORS OR PARTICULES.

WEAR MASK, PROTECTIVE CLOTH, GLOVES, GOGGLES.

DO NOT EAT, DRINK OR SMOKE DURING TREATMENT.

DO NOT USE THE MEDICATED SEEDS AS FOOD OR ANIMAL FEED.

OBEY INSTRUCTIONS FOR USE TO AVOID THE RISK OF HUMAN AND ENVIRONMENTAL HEALTH.

USING TOGETHER WITH THE PRODUCTS NOT ADVISED CERTAINLY FORBIDDEN.

NATIONAL POISON INFORMATION OFFICE: 114

Net Weight :
Maximum Selling Price:

HAZARD PROPERTY

N: Harmful for the Environment

DANGER SYMBOLS



N: Harmful for the Environment

INGREDIENTS:

It contains Indoxacarb

RISK PHRASES AND DISCLOSURES

R50/53: May cause long-term adverse effects in aquatic environments. Very toxic to aquatic organisms.

SAFETY PHRASES AND DISCLOSURES

S1/2: Keep out of reach of children

S13: Keep away from.Food, drink and animal feedstuffs

S29 Do not empty into drains.

S36/37/39: Use suitable protective clothing, gloves and protective goggles/mask.

S56:Remove this material and its jar in special waste collection point.

S61 Avoid release to the environment. Refer to special instructions and safety data sheets.

PRODUCER AND OWNER OF THE LICENCE:

AGRI SCIENCES Tarım ve İlaç. Ür.

San. ve Tic. Ltd. Şti.

Bekir Saydam Cad. No:31 Pancar Torbalı, İZMİR

Tel: 0090 0232 864 13 33

Fax: 0090 0232 864 16 79

USAGE:**Usage Information:**

Preparing the pesticide for use:

Be sure that the disinfection tool is clean before preparing the medicine. Fill with water half of the reservoir of the disinfection tool. Shake well before opening the bottle cap of the Derivate. Stir well adequate amount of medicine in a little cup of water and pour that mix in to the reservoir of the disinfection tool. After that put on adequate amount of water in to the reservoir while the mixer of the tool is working. Keep as working the mixer of the disinfection tool during the disinfection. If other medicines will be added, Derivate should be poured in to the reservoir and than other medicine should be added. Do not prepare medicine more than needed. For a proper disinfection, before starting disinfection needed amount of water for a deccar of land should be calculated, calibration should be completed and then the disinfection should be applied according to the calibration.

Application Time:

Grape: European Grapevine Moth (*Lobesia botrana*): In the session the application can be repeated 6 times for edible grapes and 3 times for wine grapes. Application can be done with a hydraulic disinfection tool which is pulled by a tractor or a hang-back type pulverizator. For the best effect disinfection should be applied at the time that pests' larvae are opened. The disinfection that applied in that session also help to control the unopened or newly exposed larvas. According to pest intensiveness and adult flights applications can be repeated with 10-14 days intervals if it is needed.

Cotton: Cotton American Boll Worm (*Helicoverpa Amrigera*), Cotton Leaf Worn (*Spodoptera litoradis*): For cotton, the medicine can be used against Cotton American Boll Worm and Cotton Leaf Worn (Prodenia) pests and any of their off springs. For the best effect disinfection should be applied at the time that pests' larvas are opened. However it is effective on the all larva phases. According to pest intensiveness applications can be repeated with 10-14 days intervals if it is needed. For cotton do not apply Derivate on the same location more than 4.

Corn: Corn Stalkborer (*sesamia nonagrioides*), European Corn Borer (*Ostrinia nubilalis*): Disinfection should be applied three times with 15 days intervals beginning with the first seen of the eggs of the pest.

Tomato and Greenpepper : Tomato bollworm (*Helicoverpa Amrigera*), Fall armyworm (*Spodoptera Utoraus*): For the best effect disinfection should be applied at the time that pests' larvas are opened. According to pest intensiveness applications can be repeated with 10-14 days intervals if it is needed. For tomato and greenpepper do not apply. Derivate on the same location more than 4.

Apple: Codling moth (*Cydia pomonella*): Derivate is effective on both codling moth larvas and eggs. For the most efficient effect against to that pest eggs should be targeted. For determination of the disinfection time, the fenology of the three and the biology of the pest (butterfly flights) should be followed. Generally the first disinfection against to the first offspring of the pest should be applied when the first eggs are seen, in this way the eggs of the pest are killed and the enter of the larvas in to the fruit and the harmful effects should be prevented. The disinfection against to the first offspring should be repeated 10-14 days after considereing the duration of the medicine.

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(trifluoromethoxy)carbanilate

GROUP	22-A	INSECTICIDE
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TOXICOLOGICAL SYMPHOMS: dangerous if swallowed and inhaled. sensitization by skin contact.

FIRST AID MEASURES:

If swallow, If the patient is conscious, vomiting patient by inserting a finger or have drinking warm salt water. If the patient isn't conscious, do not have to vomiting or drinking anything by oral. In case contact of eye, wash with plenty of water, In case contact the skin, wash exposed skin with plenty of soapy water. If breathing, move the patient to fresh air, loosen his clothes and rest him.

ANTIDOTE AND REQUIRED INFORMATION: No specific antidote is known. For further information please call **national poison information office.**

NATIONAL POISON INFORMATION OFFICE :114

SAFETY PRECAUTIONS DURING USING AND STORAGE:

- * Keep in closed original container
- * Dispose of empty containers properly.
- * Do not use empty containers for other purposes.
- * Do not put food and drink boxes, empty plant protection product.
- * Fertilizer should be applied when deactivate period of honey bees and pollinator bees (bumble bees). (For example applied at early morning or evening hours). It is recommended that where bumble bees is used as pollinators, close hives before Derivate applied and kept closed for 72 hours after spraying.
- * Harmful for fishes
- * Avoid infecting ground and surface water.
- * Do not allow pesticides to reach to plants outside of the pesticide area generally.
- * Derivate could be used in Integrated Pest Management Programs (IPM) by regarding the high degree of selectivity on beneficial insects, pollinators, and parasitoids of bees. For information about this, please contact Seller Company or the Agri Sciences company.

Cleaning of spraying equipment: Immediately after spraying, wash 3 times at least the spraying tool pump, hose and tubing, nipples and all its parts, including filters with clean water by taking the necessary protective measures. Do not get in waste water and unused medication to rivers, lakes, drinking water and sewage systems, dispose it properly.

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Hazelnut: Hazelnut Weevil (*Cydia pomonella*): In the season when the hazels become as big as a lentil and as soon as the disinfection time is declared, the disinfection should be applied. During the disinfection all sides of the herb should be disinfected and the herb should be covered well with the medicine. When the intencides that have the same effects are used on the same locations over and over during long years it is known that some pest types get immune and have the domination in that location. Eventually the pests cannot be affected with the advised dosage of the medicines. Usage or mixing in the tank of the insecticides with different effect mechanisms prevent or postpone getting immune of the pests. The effective substance of Derivate Indoxacarb has a new and different effect style so application of that medicine is appropriate for to prevent or postpone the immunation on the locations where pests get immune. In necessary cases use Derivate alternately with karbamat, synthetic pyretroid, organic phosphrides or insecticides from acyl urea group that have different effect mechanism. By observing the insentiveness of the pests, disinfect when the pests reach the economic loss.

If the inventiveness is so much, more than one disinfection can be needed for an offspring of the pest. For Derivate applications always follow the instructions on the label about dosage, disinfection intervals and timing. The effective substance of Derivate Indoxacarb is highly selective towards the beneficial insects that proper creates an advantage situation for suppress pests same time will prevent pest resistance to medicines.

INFORMATION ABOUT RESISTANCE:

Derivate named plant protection products according to its mechanism of action is classified as Group 22-A. Repetitive applications of plant protection products with the same mechanism of action, encourages the development of resistance. For this reason, to delay development of resistance in Derivate on the same production season, the number of applications exceeds the recommended total. In cases where the application should be repeated, with a different mechanism of action (Group 22-A external) careful use of plant protection products.

MIXING CASES: It mixed a several of fungicide and insecticides, for further information please contact with license owner.

STORAGE CONDITIONS:

Store in dry and cool conditions, in closed original container separately from feed and food, If stored in cool and dry conditions, the product will keep its physical, chemical and biological structure at least 2 years.

COMPANY DECLARATION:

The quality of the pesticide is guaranteed by the producer if it is to be sold in the original packaging. The producer will not be responsible of the losses and damages resulting from the handling and storage mistakes or wrong treatment or improper actions not mentioned on the label.

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