



Soluble Concentrate (SC) • Spinosad 48% w/v

# NOKAUT

NEW

PACKAGES: 50ml, 200ml, 500ml, 1LT

**A systemic contact and stomach insecticide, with translaminar action, of the neonicotinoid group. It acts by binding to postsynaptic (nicotinic) acetylcholine receptors in the insect's central nervous system.**

**Spinosad is a systemic contact and stomach insecticide with preventive and curative action. Spinosad acts on the central nervous system of insects by binding to acetylcholine receptors and causing their prolonged activation, which causes the insect to become paralyzed due to neuromuscular fatigue. The paralysis is irreversible and the death of the insects occurs within 3 days.**



**Field of application - Diseases - Dosages of the preparation\* - Method and time of application - Maximum number of applications / growing season. Interval of interventions:**

**Apple, Pear:** Apple scab (*Cydia pomonella*), Giant fruit rot (*Lithocolletis blancardella*) with a dose of 20-30 ml/100 liters of spray. Liquid volume: 100-125 liters/hectare. Up to 3 applications / 7-14 days according to agricultural warnings.

**Grapevine:** i) Eudemida (*Lobesia botrana*) with a dose of 10-15 ml/100 liters of spray. Liquid volume: 40-120 liters/hectare. Up to 4 applications / 7-10 days. The application, in the 2nd and 3rd generations, can be done either at the maximum of flights or at the beginning of the insect's flights, according to agricultural warnings. ii) California thrips (*Frankliniella occidentalis*) with a dose of 20-25 ml/100 liters of spray. Liquid spray volume: 40-80 liters/ha. Up to 4 applications / 7-10 days. The application is made at the beginning (10-20%) of flowering and when there are 1-2 thrips (mobile forms) per bunch.

**Cotton:** Green bollworm (*Helioverpa armigera*) with a dose of 15-20 (ml/ha). Liquid spray volume: 50-80 liters/ha. Up to 3 applications / 10 days. The application is made with the appearance of the first larvae.

**Potato:** Satellite (*Leptinotarsa ildeceplineata*) with a dose of 5 ml/100 liters of spray liquid. Spray volume: 100 liters/hectare. Up to 3 applications / 7-10 days. The application is made when the first larvae appear.

**Remarks:** \*The dose is proportional to the density of the insect population.

**Specific agricultural, phytosanitary or environmental conditions under which the preparation may be used or excluded:**

**Resistance management:** The preparation contains the active ingredient spinosad, which belongs to group 5 according to IRAC. In order to avoid the development of resistance, it is recommended: 1. to rotate with insecticides that do not belong to this group. 2. Application of non-chemical methods and integrated management practices in order to maintain the population of target insects at low levels. 3. Interventions when the target insect population is at low levels. 4. Complete coverage of the plants (leaves, fruits) with the spray liquid. 5. Application of the approved doses and not lower. 6. Up to two (2) applications per generation of each target insect and alternating for the next generation with insecticides of other chemical groups with a different mode of action.

**Safety interval between application and i) - sowing or planting of the protected crop: --, ii) sowing or planting of the following crops: --, iii) access of humans or animals to the crop to which the preparation has been applied:** Do not enter the sprayed area before the spray liquid has completely dried on the leaf surface.

**Phytotoxicity data, variety sensitivity and any other side effects on plants or their products:** The preparation is not phytotoxic in the approved uses when applied according to the instructions for use indicated on the label.

**Method of application:** Applied by spraying to cover the foliage.

**Method of preparation of spray liquid:** The required amount of preparation is added to a little water in a separate container and poured with continuous stirring into the tank. The bottle is rinsed 3 times and the water is poured into the tank. We fill with water and continue stirring until the end of the spraying.

**Cleaning the Sprayer:** -Immediately after application, empty the sprayer completely. -Thoroughly rinse the tank and all parts of the sprayer with a common detergent, removing all visible residues and rinse thoroughly with clean water. -Take all necessary precautions when cleaning the sprayer. -Do not clean the spray equipment and do not pour the cleaning water near water sources. Instructions for the safe withdrawal of the plant protection product and packaging: The bottles are rinsed under pressure with an appropriate mechanism or triple rinsed (the rinse water is poured into the spray liquid) and then, after being previously destroyed by piercing, to ensure that they are not reused, they are deposited at collection points for recycling or energy recovery. The withdrawal or destruction of the preparation must be carried out in blast furnaces that have appropriate equipment for its safe destruction.

**Last intervention before harvest or before placing on the market when it comes to post-harvest uses:** Apple, Pear, Potato: 7 days. Grapevine: 14 days. Cotton: 21 days.

**Storage conditions, temporal stability of the preparation:** The preparation remains stable for two (2) years, when stored in its original sealed packaging, in a cool and well-ventilated place.

THE INFORMATION WRITTEN IN THIS FORM HAS AN INFORMATIONAL CHARACTER AND DOES NOT SUBSTITUTE IN ANY CIRCUMSTANCES. PLANT PROTECTION PRODUCTS ARE INTENDED FOR USE BY PROFESSIONAL USERS. INSTRUCTIONS FOR USE AND PRECAUTIONS, WRITTEN ON THE LABEL MUST BE OBSERVED. FOR MORE INFORMATION CONTACT THE TECHNICAL DEPARTMENT OF OUR COMPANY OR CONSULT THE LOCAL AGRONOMISTS.

NitroFarm SA is certified with EN ISO 9001:2015 Quality Management System and EN ISO 14001:2015 Environmental Management System

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# NitroFarm

— since 1976 —