

Soluble Liquid (SL)

Active substance: Flupyradifurone 20% w/v

NEW

# ARBOL

PARALLEL TRADE LICENSE

Flupyradifurone

## Intersystemic contact and stomach insecticide

for the control of biting and chewing insects (Aphids, Mealybugs, Tzitzikakia, Oplocampi, Phylloxera, Pseudokoko coccidae) in outdoor and greenhouse crops. Flupyradifurone is a new insecticide belonging to the new butenolides chemical group (IRAC Group 4D). It has an intersystemic acropetal movement through the vessels of the wood and at the same time it moves quickly by splitting in the foliage. It presents a very fast initial effect (knock-down effect) which leads to an immediate stoppage of the sucking of juices by the insects, thus contributing to the prevention of the transmission and spread of viruses, especially by mealybugs. The preparation has an effect on the different stages of the biological cycle of insects (larvae, nymphs, bloom). It is characterized by stability to being washed off by rain (after 2 hours of rain).

**Special agricultural, phytosanitary or environmental conditions under which the preparation can be used or excluded:** In the cultivation of lettuce (Y) not to be used in soils with artificial drainage. The preparation should not be used in combination with fungicides containing active substances belonging to the chemical group of ergosterol biosynthesis inhibitors during the flowering period when bees visit the flowers. Do not use as pig feed carrots, dry beans, dry beans and citrus by-products from crops to which the formulation has been applied. **Resistance management:** The formulation contains the active flupyradifurone, which belongs to IRAC group 4. It is recommended to rotate with insecticides that do not belong to this group in order to avoid the development of resistance. **Safety interval between application and i) sowing or planting of the protected crop: --, ii) sowing or planting of the following crops: --, iii) human or animal access to the crop to which the preparation has been applied:** When the spray liquid on the plants has completely dried. Evidence of phytotoxicity, varietal sensitivity and any other adverse effects on plants or their products: Likely to cause transient symptoms of phytotoxicity in the cucumber crop. It is not phytotoxic to the other approved crops, for the recommended doses and application instructions. **Method of application:** Foliage coverage spraying. Method of preparation: Fill the container of the sprayer with water up to the middle and add the recommended dosage of the preparation while stirring. Add the rest of the water, stirring constantly. **Cleaning sprayers:** Completely empty the spray can. Rinse the barrel and all parts of the sprayer with water and detergent, then rinse three (3) times with clean water. **Instructions for the safe withdrawal of the plant protection product and the packaging:** The containers are rinsed under pressure with a suitable mechanism or triple rinsed (we pour the rinse water into the spray liquid/canister) and then after they have been destroyed by puncture, to ensure that no further use, are deposited at collection points for recycling or energy recovery. **Combinability:** --. **Last operation before harvest or before placing on the market when it comes to post-harvest uses (days):** Orange-Orange-Grapefruit-Frapa: 30. Cotton, Carrot: 21. Table vine-wineable, Table olive-oilable: 14. Pea with pod (Y), Pea without pod (Y), Pea dry (Y) 1 application every year: 7. Pea with pod (Y), Pea without pod (Y), Pea dry (Y) 1 application every 2 years: Determined from the time of application (BBCH 12-19). Bean with pod (Y)-Cookie with pod (Y)-Legumes Bean-Cookie 1 application every year: 7. Bean without pod (Y)-Cookie without pod (Y) 1 application every year: 3. Bean with pod (Y)-Cookie with pod (Y)-Bean without pod (Y)-Cookie without pod (Y)-Legumes Bean-Cookie 1 application every 2 years: Determined by the time of application. Tomato (Y/T), Pepper (Y/T), Eggplant (Y/T), Cucumber (Y/T), Pumpkin (Y/T), Pumpkin (Y/T), Watermelon (Y/T), Lettuce (Y), Strawberry (T), Raspberry/Red Raspberry (T), Black Raspberry (T): 3. Tobacco, Cosmetics (T): Not applicable. **Storage conditions, time stability of the preparation:** The preparation is kept for at least two (2) years in its original closed packaging, in a dry, cool and well-ventilated place, without direct exposure to light.

**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



**PACKAGES:**  
10cc / 150cc / 250cc  
/ 500cc / 1LT



5

05/2024



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# NitroFarm

— since 1976 —

# ARBOL

## SCOPE & DOSAGE

**SPECTRUM OF ACTION: CROPS - TARGETS - DOSES - TIME & METHOD OF APPLICATION: OLIVE:** (table & oilable varieties): Foliar spraying at the appearance of the infestation from the stage of full development of the inflorescences until before the full ripening of the fruits (the color of the fruit has almost changed) (BBCH 55-85). Especially for dako, the spraying should be carried out according to the captures of the thriving ones in the monitoring traps of the dako population. Dakos, Lekanio dose 75 ml/acre. Injection volume liquid: 80-100 liters/acre. 1 application per year. **CERTIFICATES:** (Orange, Grapefruit, Frapa, Geranium): Foliar cover spraying with the appearance of the infestation from the end of flowering to the development stage of 50% of the final fruit size (BBCH 69-75). Aphids dose 75 ml/hectare. Injection volume liquid: 120-150 litres/acre. 1 application per year. **CERTIFICATE:** (Orange): Foliar cover spraying with the appearance of the infestation from the end of flowering to the stage of development of 50% of the final fruit size (BBCH 69-75). Uses of minor importance (Grapes-Citrus aphid-Black spiny mealybug\*) dose 75 ml/hectare. Injection volume liquid: 120-150 liters/acre. 1 application per year. **VINEYARD:** Foliar cover spraying with the appearance of the infestation when the inflorescences are fully developed, until the beginning of the ripening of the fruits (BBCH 57-81). Granules, Aphids, Phylloxera, Pseudococcus dose 50 ml/hectare. Injection volume liquid: 50-100 liters/ha. Cicada dose a) 20 cc/acre for crown height 80 cm b) 25 cc/acre for crown height 100 cm c) 30 cc/acre for crown height 120 cm Volume spray liquid: 50-100 liters/acre. Maximum number of applications per growing season/Interval of interventions in days: 1. **OUTDOOR SALANODS (Y): TOMATOES, PEPPERS, EGGPLANTS:** Foliar coverage spray with the appearance of the infestation from the appearance of the second true leaf until full maturity (BBCH 12-89). Aphids dose 45 ml/hectare. Injection volume liquid: 45-100 liters/ha. Maximum number of applications per growing season/Interval of interventions in days: 1. **CUCUMBER (Y): CUCUMBER, PUMPKIN, WATERMELON, PUMPKIN:** Foliar coverage spray with the appearance of the infestation from the appearance of the second true leaf until full ripening (BBCH 12-89). Aphids dose 56 ml/hectare. Injection volume liquid: 45-100 liters/ha. Maximum number of applications per growing season/Interval of interventions in days: 1. **LETTUCE (Y):** Foliar coverage spray with the appearance of the infestation from 10% of the development of the leaf surface until the development of the edible part of the plant is complete (BBCH 41-49). Aphids dose 62.5 ml/hectare. Injection volume liquid: 50-100 liters/acre. Maximum number of applications per growing season/Interval of interventions in days: 1. **PEAS WITH OR WITHOUT POD (Y), DRY PEAS (Y):** Aphids dose 37.5 ml/acre. Injection volume liquid 10-40 liters/acre. Foliage coverage spray at the appearance of the infestation from the appearance of the second true leaf until the formation of the first 9 leaves and whorls. (BBCH 12-19) with 1 application every 2 years, or Foliar coverage spraying with the appearance of the infestation from the start of shoot elongation until the maturation of 70% of the pods (BBCH 30-87) with 1 application per year. **Green bean with or without pods (Y), Green bean with or without pods (Y), LEGUMES Bean (Y), Green bean (Y):** Aphids dose 37,5 ml/acre. Injection volume liquid 20-75 liters/hectare. Foliar cover spraying at the appearance of the infestation from the end of flowering to the growth stage of 50% of the final size of the pods (BBCH 69-75) with 1 application per year or Foliar cover spraying at the appearance of the projection infestation during the growth stage of lateral shoots (BBCH 21-29)

with 1 application every 2 years. **TOBACCO:** Foliar spray at the onset of infestation from the second true leaf stage until harvestable leaves reach their final size (BBCH 12-49). Aphids dose 50 ml/hectare. Injection volume liquid: 50-100 liters/acre. Maximum number of applications per growing season/Interval of interventions in days: 1. **COTTON:** Aphids, Chickweed\* (Minor use), foliar cover spray at the appearance of the infestation from the appearance of the second true leaf until the foliage begins to dry (BBCH 12 - 90). Dose 37.5 ml/hectare. Injection volume liquid 20-60 liters/acre. 1 application per year. **CORN BULBS (I):** Sprays at the appearance of the infestation from the first true leaf/pair of leaves (from BBCH 11). Aphids dose 50 ml/hectare. Injection volume of liquid: 50-100 litres/hectare Maximum number of applications per growing season/Interval of interventions in days: 4/7. **ORNAMENTS (I): FLORAL AND PERENNIAL ORNAMENTS, TREE NURSERIES:** Sprays at the appearance of the infestation from the first true leaf/pair of leaves (from BBCH 11). Aphids dose 50 ml/hectare. Injection volume liquid: 50-150 litres/acre. Powdery mildew dose 75 ml/acre. Injection volume liquid, 50-150 liters/ha. Maximum number of applications per growing season/Interval of interventions in days: 4/7. **CUCUMBERS (I): CUCUMBER, PUMPKIN, WATERMELON, PUMPKIN, SALANODI (I): TOMATOES, PEPPERS, EGGPLANTS:** Sprays with the appearance of the infestation from the appearance of the second true leaf until full maturity (BBCH 12-89). Maximum cultivation height 200 cm. Spray volume. of liquid: 75 litres/ha per 100 cm of plant height. Aphids dose 45 ml/ha per 100 cm plant height (60 ml/100 liters spray liquid). Aphids, Mealybugs dose 56 ml/ha per 100 cm plant height (75 ml/100 liters spray liquid). Maximum number of applications per growing season/Interval of interventions in days: 2/10. **STRAWBERRY (I):** Foliar sprays with the appearance of the infestation from the stage of the fifth (5th) true leaf until the fruits are fully ripe (BBCH 15-89). Injection volume liquid 60-100 liters/hectare. Aphids dose 50 ml/hectare. Powdery mildew dose 62.5 ml/hectare. Maximum number of applications per growing season/Interval of interventions in days: 2/10. **RASPBERRY/ RED STRAWBERRY (TH) (RASPBERRY, BLACK RASPBERRY (TH) (BLACKBERRY):** Foliar sprays at the onset of infestation from the stage of the fifth (5th) true leaf to full fruit ripening (BBCH 15-89). Maximum crop height 200 cm. Aphids dose a) 50 ml/hectare for a crown height of 100 cm (100 ml/100 liters of water spray) with volume of spray liquid 50 liters/hectare. b) 100 ml/hectare for a canopy height of 200 cm (100 ml/100 liters of spray liquid) with a volume of spray liquid 100 liters/hectare. Maximum number of applications per growing season/Interval of interventions in days: 2/10. **CARROT:** Foliar cover spray with the appearance of the infestation at the stage of the 9th true leaf until the development of the edible part of the plant is complete (BBCH 19-49). Minor use (Carrot aphid) dose 37.5 ml/acre. Injection volume liquid 30-80 liters/acre. 1 application per year.

**Remarks:** -Before applying the formulation to cosmetics, it should be tested on a small scale. \*\*Effectiveness on cotton cicadas and orange bollworm has not been established. For these uses, the holder of the license is not responsible for possible failures concerning the effectiveness of the application of the preparation".



6

05/2024



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