



Emulsifiable concentrate (EC)
Propaquizafop 10 % w/v

NEW

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Systemic post-emergence herbicide for the control of annual and perennial grassy weeds.

PACKAGES: 100cc / 1LT / 3LT



Category and mode of action: Systemic post-emergence herbicide for the control of annual and perennial grassy weeds. It is absorbed by the leaves and transported to the roots, stolons and rhizomes of weeds. It acts by inhibiting acetyl-CoA carboxylase during fatty acid biosynthesis. Sprayed weeds stop growing 1-2 days after application. Younger leaves turn yellow and the lower part of the shoots die. Eventually all the weed is destroyed within 10-20 days, depending on the climatic conditions.

Field of Application-Target-Doses-How and Time of Application:

Tomato (F), Eggplant (F) Minor use:** Annual grassy weeds* with 75-120 cc. at 30-40 litres/ha. Crop transplants. Application from the development of the second leaf of the crop to the development of the 9th inflorescence (BBCH 12-59), and when weeds are from the 2-3 leaf stage to before the weed budding (BBCH 20).

Cotton: Annual and perennial grassy weeds* i) with 75-120 cc. at 20-60 litres/ha. Post-emergence of the crop, application from the emergence of the second leaf of the crop to 90% row closure (BBCH 12-39), and when annual weeds are from the 2-3 leaf stage to the beginning of its extension or ii) with 150-200 ml. at 20-60 litres/ha. When perennial weeds are 15-20 cm high or iii) with 100-150 cc. at 20-60 litres/ha. For Sorghum halepense: When the height of the weeds is 30-40 cm.

Potato: Annual and perennial grassy weeds* i) with 75-120 cc. at 20-60 litres/ha. Crop post-emergents, applied from the second leaf of the crop to before flowering (BBCH 12-59), and when annual weeds are from the 2-3 leaf stage to the start of weed stem elongation or ii) with 150 ml at 20-60 litres/ha. When perennial weeds are 15-20 cm high or iii) with 100-150 cc. at 20-60 litres/ha. For Sorghum halepense: When the height of the weeds is 30-40 cm.

Sugar beet, Beetroot (turnip root only) Minor use:** Annual and perennial grassy weeds* i) with 75-120 cc. at 20-60 litres/ha. Post-emergence of the crop, application from the emergence of the second leaf of the crop to when the leaves cover 50% of the ground (BBCH 12-35), and when annual weeds are from the 2-3 leaf stage to the start of elongation weed stem or ii) with 150-200 cc. at 20-60 litres/ha. When perennial weeds are 15-20 cm high or iii) with 100-150 cc. at 20-60 litres/ha. For Sorghum halepense: When the height of the weeds is 30-40 cm.

Tobacco: Annual and perennial grassy weeds* i) with 75-120 cc. at 20-60 litres/ha. Crop post-emergents, applied from the second leaf of the crop to 90% row closure (BBCH 12-39) and when annual weeds are from the 2-3 leaf stage to the start of weed stem elongation or ii) with 150-200 ml. at 20-60 litres/ha. When perennial weeds are 15-20 cm high or iii) with 100-150 cc. at 20-60 litres/ha. For Sorghum halepense: When the height of the weeds is 30-40 cm.

Maximum number of applications/growing period: 1 application for all crops of the present spectrum of action.

Remarks: 1) The application rate varies according to the stage of weed growth. *Weeds to be controlled: Annual grasses: Alopecurus myosuroides, Avena fatua, A. sterilis, Bromus sp. (Oats), Digitaria sanguinalis (Bloodweed), Echinochloa crus-galli (Thrush), Eleusine indica, Hordeum sp. (wild barley), Lolium sp. (Eres), Phalaris sp. (Cocksails), Setaria sp. (Cetaria), Sorghum halepense (Sorghum from rhizomes), Perennial weeds: Agrostis sp. (Agrostis), Cynodon dactylon (Wild), Agropyron/Elymus repens (Agropyron/Elymos), Poa trivialis (Trachea livadopoa), Poa pratensis (smooth livadopoa). **Effectiveness has not been documented and no control has been made for possible negative effects on eggplant and beetroot crops from the use of the preparation. For this use the holder of the license is not responsible for possible failures concerning the effectiveness or phytotoxicity of its use".

Special agricultural, phytosanitary or environmental conditions under which the preparation can be used or excluded: The application should be done by directed spraying on the foliage of the weeds. It is recommended to use a cover to avoid spraying on the edible parts of the crops. The produced products should not be used for animal feed.

Resistance management: The formulation contains the active ingredient propaquizafop, which belongs to group 1 according to HRAC. It is recommended to rotate with herbicides that do not belong to this group and/or alternative weed management methods (mechanical method, cultural measures) 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 the following crops: Do not sow wheat/barley/rye and maize before 10 weeks have passed since the application of the formulation. Do not sow oats before 16 weeks have passed since the application of the formulation. Do not sow peas, beans, rape before 4 weeks have passed since the application of the preparation.

iii) human or animal access to the crop to which the formulation has been applied: Do not enter the sprayed crop before the spray liquid has completely dried from the leaf surface.

Evidence of phytotoxicity, cultivar sensitivity and any other side effects on plants or their products: The product when applied to the proposed crops and at the recommended doses is not phytotoxic.

Application: Post-emergence spray of weed foliage with a broom type nozzle and pressure less than 45 psi (2-3 atm).

How to make spray liquid: Fill the sprayer tank halfway with water. Add the recommended dose of the formulation, stirring. Top up with the rest of the water, stirring constantly until the application is complete.

Cleaning sprayers: Immediately after application, completely empty the spray can. Thoroughly rinse the barrel and all parts of the sprayer with water removing all visible residue and rinse three times with clean water.

Combination: --.

Last operation before harvest or before placing on the market when it comes to post-harvest uses (days): Tomato (F), Eggplant (F): 30. Potato, Tobacco: 40. Sugar beet, Beetroot (turnip root only): 45. Cotton: 90.

Storage conditions, time stability of the preparation: The preparation remains stable for 2 years from the date of manufacture, when stored in its original sealed packaging in a dry, cool and well-ventilated area.

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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