MIGHTY

NEW

Mesotrione: 10% w/v
Soluble Concentrate (SC)

Selective post-emergence herbicide
for the control of annual broadleaf and grassy weeds in maize cultivation.
It is absorbed mainly by the foliage and secondarily by the roots.
It works by inhibiting the biosynthesis of carotenoids
in the 4-HPPD enzyme.

Field of Application - Target - Doses - Method and Time of application - Maximum number of applications per growing season/Interval of applications:

Maize: For annual broadleaf and grassy weeds with 100-150 cc. in 20-60 liter spray liquid/acre. One (1) post-emergence spray from 2 to 4 leaves of the crop (BBCH 12-14).

Observations: 1. Weeds are susceptible when they are small, up to 4 leaves, and in the vigorous growth stage. **2.** The low dose to control annual broadleaf weeds. The high dose to combat grassy weeds. **3.** Controlled weeds: Susceptible weeds: Grasses: Digitaria sanguinalis (Bloodweed), Echinochloa spp. (Muchritsa), Setaria verticillata (Setaria). Broad leaves: Chenopodium album (Louboudia), Solanum nigrum (Stifnos).

Special agricultural, phytosanitary or environmental conditions under which the preparation may be used or excluded: Do not apply to a maize crop intended for seed production. The preparation contains the active substance mesotrione which belongs to group F2 (27) according to HRAC.

Resilience Management: -Apply alternative methods of dealing with weeds (mechanical method, cultivation measures, etc.). -To alternate herbicides with a different mode of action. -Don't spray when it's windy.

Safety interval between application and i) sowing or planting of the protected crop: In case of failure of the crop to which the herbicide was applied, only maize can be re-sown in the same field in the same growing season as a replacement crop after tillage. **ii) sowing or planting the following crops: ● In a rotation program after maize, may be sown:** -In autumn, winter wheat, including durum wheat, winter barley, rye and canola after deep tillage (over 15 cm.). -Next spring, corn, rye, spring wheat and spring barley. ● Do not sow cotton before at least 10 months have passed and sugar beet, beet, spinach, peas, beans and soybeans before at least 20 months have passed since the application of the herbicide. **iii) human or animal access to the crop to which the formulation has been applied:** Do not enter the sprayed area before the spray liquid has completely dried on the leaf surface.

Evidence of phytotoxicity, varietal sensitivity and any other side effects on plants or their products: Possible occurrence of bleaching of maize leaves under conditions of low temperatures, drought or strong temperature changes, is a transient phenomenon and does not affect yields.

Method of application: Post-emergence spraying with 20 - 60 liters of water/str, broom-type injector, low pressure two to three (2-3) atm and under constant stirring.

How to prepare spray liquid: Shake the container/bottle well before use. Fill the sprayer tank halfway with water. Add the recommended amount of formulation and top up with the rest of the water, stirring constantly.

Sprayer cleaning: 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.

Combinability: -.

Last pre-harvest or pre-market operation for post-harvest uses: Maize (Not applicable. Determined by crop stage at application).

Storage conditions, time stability of the formulation: The formulation remains stable for 2 years if kept in its original packaging, tightly closed, in a dry and well-ventilated area, away from sunlight and high temperatures.

PACKAGES: 500cc / 1LT / 5LT

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

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