

PRE-EMERGENCE HERBICIDE FOR CONTROL OF GRASSES AND BROAD-LEAFED WEEDS IN MAIZE.

FEATURES AND BENEFITS

1. PERFECTO 450SE offers total weed control for broad leafed and grass weeds in maize farms.
2. PERFECTO 450SE provides critical early season weed control when the maize crop is most sensitive to competition-helps to protect yield potential.
3. PERFECTO 450SE Control weeds before they start to compete with the crops or multiply
4. PERFECTO 450SE is tough on weeds and gentle on the maize crop. The product is systemic and selective.
5. PERFECTO 450SE is easy to use, simple to mix and apply.
6. Versatile application-applied using either knapsack, boom sprayer or even aerial.

PERFECTO^{450SE} HERBICIDE

Systemic & Selective Pre-Emergence Herbicide for the control of annual grasses and broad leafed weeds in maize.

(Dawa maalum ya kuua kwekwe aina ya nyasi na kwekwe zenye majani mapana kwa mahindi)



Reliability & Value

TWIGA CHEMICAL INDUSTRIES LTD.

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HOW TO USE

Q. How does Perfecto 450SE work

★ Consist of two active ingredients: **Atrazine + Metolachlor**

★ Atrazine is absorbed through the roots of the weeds and transported to the actively growing tips and leaves it inhibits photosynthesis. This takes 14 to 21 days

★ Metolachlor is easily taken up by the shoots of the emerging weeds. It is highly effective on grass weeds.

Q. What is the direction for use for Perfecto 450SE?

★ Perfecto 450SE is best applied directly on soil during or shortly after planting but before weeds or maize crop emerge.

★ It should be applied on firm ground/surface with smooth soil free of clods

★ If spraying is carried out after irrigation or rain, apply before the top layer of the soil is dry.

Q. When do I apply Perfecto 450SE

There are 3 timings

★ **Pre-emergence** - apply Perfecto 450SE during or after planting maize but before the weeds and maize crop emerge.

★ **Pre-plant surface application** - Only for minimum or zero tillage systems. Perfecto 450SE can be applied upto 45 days before planting

★ **Pre-plant incorporated (ppi)** - apply to the soil and incorporate into the top 5 cm of soil within 14 days before planting.



Q. What weeds are effectively controlled by Perfecto 450SE

GRASSES	BROAD BASED LEAVES
Couch grass Wild oats Setaria spp. Star grass Wild finger millet e.t.c	Thorn apple Wandering jew Black night shade Galant soldier Black jack Mexican Marigold Chinese lantern Pig weed Double thorn Purslane e.t.c

Q. What rate of Perfecto do I use

CROP	RATE PER HA	RATE/20L OF WATER
MAIZE	3-4.0 Lt/Ha	300-400ML

★ Apply as early pre-emergence treatment.

★ Application can be done using tractor boom sprayers, or knapsack sprayers



Tagetes minuta
(Mexican marigold)

Setaria spp



Thorn Apple
(*Datura stramonium*)

Eleusine indica
(Wild finger millet)

Perfecto 450SE

“KWA SHAMBA SAFI LA MAHINDI ”

JINSI YA KUTUMIA

Q. Perfecto hufanya kazi aje?)

★ Ina viungo kazi mbili: Atrazine + Metolachlor.

★ Atrazine huaa magugu kwa kuzuia usanisinuru. Hii uchukua muda wa siku kumi na nne hadi ishirini na moja.

★ Metolachlor ni shupavu kwa kuangamiza magugu aina ya nyasi.

Q. Perfecto hutumika aje?

★ Perfecto hunyunyizwa moja kwa moja kwa mchanga wakati wa kupanda au muda mfupi baada ya kupanda lakini kabla kwekwe au mbegu kuota.

★ Dawa hii inafaa kutumika kwenye shamba ili otayarishwa vizuri (udongo uwe laini).

★ Dawa hii ikitumika baada ya kunyunyizia shamba maji, inafaa iwekwe kama safu ya juu ya udongo iko na unyevu.

Q. Saa ya kunyunyizia Perfecto 450SE

Yaweza kunyunyizwa kwa namna tatu

★ Nyunyiza dawa kabla ya kwekwe au mbegu kuota.

★ Itumike kwa shamba kabla ya kupanda kwa ulimaji wa chini, Perfecto inaweza nyunyizwa siku 45 kabla ya kupanda mahindi.

★ Perfecto sharti inyunyizwe vizuri siku 14 kabla ya kupanda kupitia chombo kinachofaa. Hii hutumika wakati kiangazi imefuata unyunyuzi wa dawa hii.



Amaranthus Spp.



Wandering jew
(*Commelina benghalensis*)

Q. Perfecto huaa Magugu aina gani

NYASI	KWEKWE YA MAJANI MAPANA
Couch grass Wild oats Setaria spp. Star grass Wild finger millet	Thorn apple Wandering jew Black night shade Galant soldier Black jack Mexican Marigold Chinese lantern Pig weed Double thorn Purslane

Q. MAAGIZO YA MATUMIZI

MIMIEA	KIWANGO KWA HEKTARI	KIWANGO KWA LITA 20 YA MAJI
Mahindi	Lita 3-4	Mililita 300-400

★ Tumia kabla ya kwekwe kuota.

★ Unaweza nyunyizia dawa ukitumia bomba la kubeba mgongoni (knapsack) au trakta.



Perfecto 450SE

“KWA SHAMBA SAFI LA MAHINDI !!