

MAMBA* 360SL

HERBICIDE

A soluble concentrate, non-selective, systemic, post-emergence herbicide for the control of annual and perennial grass and broad leaved weeds in agriculture as well as in non-crop and industrial areas.

Active Ingredient

Glyphosate 360g/l (phosphonic acid equivalent to 480g/l Isopropylamine (IPA) salt + special Surfactant, as a waterbaesd formulation.



Kenya Reg. PCPB NO: (CR) 0415
Uganda Reg. No Ugc/99/00212/He/ R
Tanzania Reg. No. He/0095

Commercial And Agriculture Use



ADVANTAGES:

Has an all-round effectiveness, being absorbed through the foliage and translocated through out the plant finally accumulating in the growing tissues.

It is non-selective and has no residual activity or persistence in the soil and offers no pre-emergency activity, thus crops can be seeded directly into the treated area.

Effectively eradicates hard to kill weeds such as sedges, kikuyu grass, couch grass, star grass.

It is environmentally friendly - does not accumulate in the soil or food chain.

Spraying the product saves time and money for other jobs required for cultivating to kill weeds.

When used on zero tillage, it conserves soil moisture and structure and structure thus preventing erosion and crop loss.

Does not affect the mature brown back of tree crops.

'Mamba 360 SL kills weeds, right to the Roots'

MAMBA* 360SL

Mode of Action

Mamba 360 SL interferes with the synthesis of aromatic amino acids in the plant. When applied to the target plants, Mamba 360SL is absorbed by green foliage, green stems, flowers, and fruits of the plant and it is then translocated to the roots, stolons, tubers or rhizomes where it inhibits the formation of three essential amino acids, thus the plant fails to produce vital nutrients especially proteins essential for plant growth and development. These essential amino acids are only present in plants hence the unique safety of Mamba 360SL. This causes eventual death of the plant. Visible symptoms occur 4-7 days in perennials which include wilting followed by chlorosis, that in turn leads to plant death.

SPECTRUM OF USE

Crops	Use
Annual crops-wheat, barley, maize, rice, pulses, cotton etc	Pre-plant weed control Conservation tillage systems ie minimum or reduced tillage or zero till.
Established plantation crops Coffee, tea, nuts, orchards, pineapples	Pre-plant weed control Post-plant weed control
Sugar cane	Weed control in the crop with shielded sprayers. Weed control on the verges of the fields Spot treatment to kill individual off-type plants once the cane has started to grow in the field. To kill the final ratoon cane stools after the final harvest and replanting is scheduled Spraying 4 weeks to harvest as a ripener to increase sucrose content in sugar.
Forestry	Pre-and post-plant weed control. Fire break establishment Re-growth control after harvesting.
Noxious and aquatic weed control	Eradicates hard to kill species such as <i>Acacia</i> , <i>Eucalyptus</i> , Lantana, Water hyacinth (<i>Eichhornia</i>), Water lettuce (<i>Pistia</i>), Water fern (<i>Azolla</i>), Hippo grass (<i>Vossia</i>), Bull rushes, (<i>Typha</i>)
Non crop and Industrial use	Weed control around buildings, paving, road and rail verges, aircraft runways, fence lines, ditches, drains and under electrical installations.
Pastures improvement	As a spot treatment to control unwanted plants in a pasture. Renovating by spraying on the old pasture and then overseed the area with new pasture after 7 days.

DIRECTIONS FOR USE

Mamba 360SL should be applied post-emergent to actively growing weeds, directly onto the foliage and immature back. Do not spray if rain or irrigation is expected in 4 hours time or if foliage is wet or covered with a layer of dust.

COMPATIBILITY

Mamba 360SL can be tank mixed with Derby *Tordon *101, Sanaphen* D, Diuron*

APPLICATION RATES

Weed type	Rate L/Ha	ML/20lt	Remarks
Annual weeds	1.0-1.5	200-300ml	Apply when weeds are 1-4 leaf stage.
Perennial grasses Perennial broad-leaved weeds	3.0-4.0	600-900ml	In cereals, for woody weeds, add 30ml of Derby* to aid sin efficacy.
Specific weeds Coach grass: <i>Digitaria scalarum</i> Star grass: <i>Cynodon dactylon</i> water grass/sedges: <i>Cyperus spp.</i>	3.0-6.0		Sequential applications may be required in case of infestation of couch and sedges.

TO ACHIEVE THE BEST PERFORMANCE

- Do not spray on drought or stressed plants
- Use low volume of water (<150lt/ha) with fine droplets
- The target plants should be actively growing
- Ensure the application equipments are clean and well calibrated with nozzles in good working order
- Through contact with leaves is necessary for best results
- Avoid contact with leaves, suckers, and green part, of the non-target crops to avoid crop injury

MAMBA 360SL AND LOWER 7

Lower 7 contains sulphuric acid which helps bring the pH of spray water down from a high pH of 7.8 to 5.5 pH. Glyphosate works best at this pH; Lower 7 contains nitrogen in ureic form which helps Mamba to penetrate into the plant much quicker hence better rain fastness; Lower 7 removes bicarbonates as stated above which are so detrimental to glyphosphates and other herbicides. Lower 7 together with Tordon for examples showed total kill on Commelina (Wandering Jew) where other herbicides have little or no effect; Rates are between 0.5mls to 1 ml of Lower 7 per litre spray water. A simple litmus paper test is required to ensure water pH has dropped to around 5 to 5.5 pH.

SAFETY OF USE

Mamba 360 SL, active ingredient, Glyphosate, is highly soluble in water and has a low solubility in fat and will not bioaccumulate in animals due to lack of retention and rapid elimination. Thus Mamba 360 SL does not bio-accumulate in the soil or food chain. It is broken down in the soil by the soil micro-organisms into Nitrates, Phosphates, Carbon dioxide and Water.

Mamba 360SL is not metabolized by animals, human, fish, birds, reptiles, vertebrates and invertebrates but only affects plants, Mamba 360SL is not toxic to bees, fish and birds when used as directed on the label.

Packs available: 200ml, 500ml, 1lt, 5lt, 20lt, 200lt

ALWAYS READ THE LABEL BEFORE USE

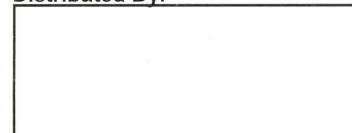
Marketed By:

Lachlan Kenya Limited
P.O. Box 49470 00100
Nairobi-Kenya
Tel: 254-020-2073912/3/4
Fax: 254-020-2060260
lachlan@griculture.co.ke
www.griculture.co.ke



Lachlan@griculture

Distributed By:



Dow AgroSciences