

SPENCER 260 OD (Oil Dispersion)

A highly effective, selective post-emergence herbicide for control of both annual grasses and broadleaf weeds in maize

Active Ingredients: Mesotrione 40g/ L + Nicosulfuron 20g/L + Atrazine 200 g/L

Formulation: Oil Dispersion (OD)

Registration Number: PCPB(CR)2155

Classification: WHO Class II

MODE OF ACTION AND DESCRIPTION

Spencer 260 OD has a unique blend of three effective active ingredients from different herbicide groups for enhanced efficacy against weeds. **Spencer 260 OD** is taken up by the plant through the shoots and leaves of the weed seedlings resulting to disruption of various plant bio-processes.

Spencer 260 OD contains:

- **Atrazine** from Chlorotriazine chemical group; absorbed mainly by the roots and, it functions by inhibiting photosynthesis.
- **Nicosulfuron** from Sulfonylurea chemical group; rapidly absorbed by the foliage and roots and it inhibits cell division and growth of the target weeds.
- **Mesotrione** from Triketone chemical group; mainly absorbed by the foliage and roots, and it functions by inhibiting essential enzyme in the target weeds.

DIRECTION FOR USE

Crops	Rate of application		Susceptible weeds	Timing and frequency of application
	Rate/20L	Rate/Ha		
Maize	250ml/20L of water	2.5L in 200L of water	<ul style="list-style-type: none">• <i>Barnyard grass</i>• <i>Common Purslane</i>• <i>Black Nightshade</i>• <i>Amaranth</i>• <i>Lamb's quarters</i>• <i>Annual Foxtail</i>• <i>Spotted Lady's thumb</i>• <i>Velvetleaf</i>• <i>Jimson</i>• <i>Yellow Nut sedge</i>• <i>E.t.c</i>	<ul style="list-style-type: none">• Apply when the crop is up to and including the 8th leaf stage.• Spray when weeds are vigorously growing.• Delay spraying if rain is expected within few hours of application.• Ensure even application at the recommended dose to a healthy crop.• Apply when the soil has sufficient moisture and the maize plant is not under stress.• For optimal results, apply when grasses are less than 5cm tall and broadleaf less than 8cm tall.• Make 1 application post-emergence.

Re-entry interval (REI): 24 hours

Pre- harvest Interval (PHI): 60 days on Maize

Advantages

- Has three active ingredients, for enhanced efficacy against notorious weeds in maize
- Broad spectrum herbicide; effective against wide range of weeds, both annual grasses and broadleaf weeds
- Long lasting weed management in maize fields.
- Excellent crop safety; Spencer 260 OD is selective, it only kill weeds and does not affect the maize crop.
- Flexibility in application timing; can be applied up to and including 8th leaf stage in maize
- Cost effective (compared to hand weeding) due to high efficacy at low rates of application; only 2.5 Litres Spencer 260 OD per hectare (1Litre per acre).



Barnyard grass



Common purslane



Black Nightshade



Yellow Nut sedge

MAELEZO

Dawa maalum yenye ufanisi wa hali ya juu ya kuua magugu ya aina ya nyasi na majani mapana kwenye shamba la mahindi.

Dhamana : Mesotrione 40g/ L + Nicosulfuron 20g/L + Atrazine 200 g/L

Uundaji : Oil Dispersion (OD)

Nambari ya Usajili: PCPB(CR) 2155

Uainishaji : Darasa la II la WHO (WHO Class II).

JINSI INAVYOFANYA KAZI

Spencer 260 OD iko na ufanisi wa hali ya juu kutokana na mchanganyiko wa kipekee wa viungo vitatu kutoka kwa vikundi tofauti vya dawa. Spencer 260 OD hufyonzwa ndani ya kwekwe kupitia mizizi na majani ya miche michanga inayolengwa na dawa.

Spencer 260 OD ina:

- **Atrazine** kutoka kikundi cha kemikali cha Chlorotriazine, inafyonzwa na magugu kupitia mizizi ili iathiri usanisinuru (photosynthesis).
- **Nicosulfuron** kutoka kikundi cha kemikali cha Sulfonylurea na hufyonzwa haraka na majani ya kwekwe. Inazuia ukuaji wa magugu kwa kuathiri mgawanyiko wa seli.
- **Mesotrione** kutoka kikundi cha kemikali cha Triketone. Inafyonzwa ndani ya kwekwe kupitia mizizi. Inafanya kazi kwa kuzuia kimeng'anya (enzyme) muhimu katika magugu kwenye shamba la mahindi.

Mimea	Kiwango cha matumizi		Magugu	Wakati na mzunguko wa matumizi
	Kiwango /20L	Kiwango/Ha		
Mahindi	250ml kwa lita 20 ya maji	2.5L in 200L of water	<ul style="list-style-type: none"> Barnyard grass Common Purslane Black Nightshade Amaranth Lamb's quarters Annual Foxtail Spotted Lady's thumb Velvetleaf Jimson Yellow Nut sedge Na kadhalika 	<ul style="list-style-type: none"> Nyunyizia dawa wakati mahindi yameibuka hadi kimo cha majani nane Nyunyizia dawa wakati magugu yanakua kwa kasi Chelewesha kunyunyizia kama mvua inatarajiwa kunyesha ndani ya saa chache baada ya kunyunyizia dawa. Hakikisha dawa imepimwa kipimo kilichopendekezwa na inyunyiziwe mmea wenye afya. Nyunyizia wakati udongo una unyevu wa kutosha na mmea wa mahindi hauna mkazo Kwa matokeo bora, weka nyasi zikiwa chini ya kimo cha sentimita 5 na urefu wa magugu ya majani mapana chini ya sentimita 8 Nyunyizia mara moja baada ya kuibuka kwa mahindi

Maelekezo ya utumizi

Muda salama wa kusubiri kabla ya kuingia mahali Spencer 260 OD imepigwa: Masaa 24

Muda wa kusubiri kabla ya kuvuna: Siku 60 kwa Mahindi

Manufaa Ya Kutumia Spensor 260 OD

- Ina ufanisi wa hali ya juu kutokana na mchanganyiko wa kipekee wa viungo vitatu kutoka kwa vikundi tofauti vya dawa.
- Inaangamiza magugu aina mbalimbali, yakiwemo nyasi na magugu ya majani mapana.
- Shamba la mahindi hukaa likiwa safi kwa muda mrefu baada ya kunyunyiziwa Spencer 260 OD
- Usalama bora wa mazao; Spensor 260 OD inachagua mahindi, inaua tu magugu na haiathiri zao la mahindi
- Iko na uhuru wakutumika kwa shamba la mahindi, kutoka wakati mahindi imeibuka hadi kimo cha majani nne.
- Gharama nafuu (ukilinganisha na kupalilia kwa mikono) kutokana na ufanisi wa juu unaotokana na viwango vya chini vya matumizi; lita 2.5 pekee ya **Spencor 260 OD** kwa hekta moja. (lita 1 kwa ekari).



Spencer™

260 OD

Oil Dispersion
in Water

GUARANTEE (DHAMANA): Mesotrione 40g/L + Nicosulfuron 20g/L + Atrazine 200 g/L

PALILIA shamba lako la mahindi, tumia Spencer

BEFORE

AFTER



Selective Post-emergence
Herbicide

for control of both annual grasses and broadleaf weeds in maize

Application timing: **Early Post-emergence, up to and including the 8th leaf stage of maize**

Target weeds: Broadleaf weeds and annual grasses.

Rate of Application:
2.5L/Ha in 200L of Water (250ml/20L of water)

Available Packs:
1 Litre and 5 Litres



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