

FLEXIDOR™ 500 SC

HERBICIDE

Reg No L5011 Act/Wet 36/1947

A suspension concentrate herbicide for the control of annual broadleaf weeds, as listed in lupins (sweet and bitter), undersown lucerne and leguminous pastures as listed, in the winter rainfall region, as well as wheat in the Free State. (Cultivars Betta, Karee, Wilge).

'n Suspensiekonsentraat onkruiddoder vir die beheer van eenjarige breëblaaronkruid, soos aangetoon, in lupiene (soet en bitter), ondergesaaide lusern en peulweidingsgewasse soos aangetoon, in die winterreënvalstreek, asook koring in die Vrystaat. (Kultivars Betta, Karee, Wilge).

HERBICIDE GROUP

L

ONKRUIDDODER

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Isoxaben..... 500 g/l Isoksaben

Nett volume..... lNetto volume

REGISTRATION HOLDER / REGISTRASIEHOUER

DOW AGROSCIENCES SOUTHERN AFRICA (PTY) LTD / (EDMS) BPK

REG NO 1967/007147/07

PRIVATE BAG X160 PRIVAATSAK

BRYANSTON 2021

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Batch Number Lotnommer
Date of Manufacture Vervaardigingsdatum

UN NO:

Tygerberg Poison Information Centre: +27 (0)21 931-6129
Griffon Poison Information Centre: +27(0)82-446-8946
24 Hour Emergency Tel No: (032) 533-0716/082-887-8079
Information Hotline Tel No: (012) 361-8112

Flexidor 500 SC/2014-04-09



WARNINGS

Avoid eye contact.

Store in a cool place but avoid freezing.

Do not store near heat or flame.

Store away from food, feed, seed, fertilizer and other agricultural chemicals.

Keep out of reach of children, uninformed persons and animals.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier or registration holder in the event of any uncertainty.

PRECAUTIONS

Do not inhale spray mist and fumes.

Wash with soap and water after accidental skin contact.

Do not eat, drink or smoke whilst mixing and applying or before hands and face have been washed.

Wear protective gloves and face shield when handling the concentrate.

Avoid spray drift onto other crops, grazing, rivers, dams and any area not under treatment.

Do not use near desirable plants or trees (e.g. windbreaks and ornamental trees alongside roads) or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

Do not use on soil where susceptible plants are to be grown in the foreseeable future.

Thoroughly wash and rinse spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

Prevent contamination of food, feed, drinking water and eating utensils.

Rinse empty container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.

Destroy the empty container by perforation and flattening and never use for any other purpose.

RESTRICTIONS OF USE

To avoid damage to follow-up crops, the following **waiting periods** should be heeded:

Maize.....	Nil	Grain
sorghum.....		Nil
Barley.....		Nil
Oats.....		Nil
Wheat.....		Nil
Rye.....	Nil	
All other crops.....		12 months

After application, observe the following withholding periods prior to grazing:

Lupins.....	14 days
Undersown lucerne and Leguminous pastures.....	150 days

LIST OF WEEDS CONTROLLED

The following weeds are normally controlled by **FLEXIDOR™ 500 SC** at the recommended dosage rate:

Winter rainfall region:

<i>Raphanus raphanistrum</i>	Wild radish
<i>Sisymbrium thellungii</i>	Wild mustard

Free State:

<i>Sisymbrium thellungii</i>	Wild mustard
<i>Tribulus terrestris</i>	Common dubbeltjie

Suppression of the following weeds are normally obtained:

<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Galinsoga parviflora</i>	Quickweed
<i>Gisekea africana</i>	<i>Gisekea Portulaca oleracea</i>
Common purslane	
<i>Tagetes minuta</i>	Tall khakiweed

DIRECTIONS FOR USE : Use only as directed

SHAKE WELL BEFORE USE. REPLACE CAP AFTER POURING.

MIXING INSTRUCTIONS

Half-fill the spray tank, or premix tank in case of aerial application, with water, then pour the required quantity of **FLEXIDOR™ 500 SC** into the tank through a sieve. Top up with water. Keep the chemical in continuous suspension by means of agitation. **NOTE:**

pH of Spray Water

The efficacy of **FLEXIDOR™ 500 SC** may be reduced by very hard water (> 1 000 p.p.m. solutes) and by water with a high pH value.

When **FLEXIDOR™ 500 SC** is used, the optimal efficacy thereof will be obtained in water of pH 4,5 - 5,5. Water of a higher or lower pH than 4,5 - 5,5 should be buffered to pH 4,5 - 5,5 by using a registered buffering agent.

Where a buffer is used to adjust the pH of the water, the buffer must be mixed with the total volume of water required for that particular tank mixture before adding the **FLEXIDOR™ 500 SC**.

Use the spray mixture without delay and do not allow to stand for prolonged periods.

NOTE: Ensure that thorough agitation of the spray mixture is maintained at all times. After each day's spraying, flush tank out thoroughly with water.

APPLICATION

Ground application:

FLEXIDOR™ 500 SC can be applied with any high or medium volume sprayer fitted with efficient agitation. Accurately calibrate spray equipment prior to application. The spray booms and nozzles should be set to provide a uniform coverage. Use 200 - 400 ℓ of water/ha for overall application.

Incorporation (Wheat in Free State)

To achieve acceptable control of weeds listed, **FLEXIDOR™ 500 SC** should be incorporated prior to planting.

Important: It is not necessary to incorporate **FLEXIDOR™ 500 SC** immediately after spraying. Incorporation may be achieved by using a tined implement like a kongskilde, sweeps or a rodweeder. Incorporation of **FLEXIDOR™ 500 SC** thus could coincide with the last cultivation prior to planting.

Aerial application:

Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.

Ensure a uniform and even distribution of spray material with a minimum loss during application. To achieve this, the following conditions must be met:

A spray swath resulting in an even distribution is essential, as in the case of contact herbicides.

Apply 30 ℓ mixture/ha, preferably with "whirljet" nozzles.

A minimum of 25 - 40 droplets per cm² must reach the target area.

The spray cloud must have a VMD of 250 - 300 microns.

Maintain an altitude of 3 metres above the target area at wind speeds of 0 - 8 km/h and 2 metres above target area at wind speeds of 8 - 15 km/h. Cease spraying when wind speeds exceed 15 km/h. Avoid gusting wind conditions.

Do not spray when the relative humidity (RH) drops below 45 %.

Do not spray under excessively high temperatures.

Accurate marking of spray swaths is essential.

Obtain the assurance from the aerial spraying contractor that the above requirements will be adhered to and that the necessary data will be logged in the pilot's logbook.

APPLICATION RATES

CROP	DOSAGE RATE/ha	REMARKS
WHEAT (Cultivars Betta, Karee and Wilge) in the Free State (dryland and irrigated wheat)	150 mℓ	Must be incorporated prior to planting. The depth of incorporation depends on the last cultivation.
LUPINS (Sweet and Bitter), UNDERSOWN LUCERNE and LEGUMINOUS PASTURES (Lucerne and Medics) in the Winter rainfall region.	Ground application: 150 - 200 mℓ Aerial application: 150 - 200 mℓ	Apply as a post-emergence application for both crop and weeds. Use the lower rate of FLEXIDOR™ 500 SC (150 mℓ/ha) for weeds smaller than the 6-leaf stage and the higher rate FLEXIDOR™ 500 SC (200 mℓ/ha) for weeds from the 6- to 8-leaf stage. The weeds should not have developed further than the 8-leaf stage.

NOTE: *Post-emergence application:*

On soils which are acid, alkaline or brackish, crops may be more susceptible to herbicide injury owing to stress/sub-optimal growth.

24 HOUR EMERGENCY TEL. NO. (032) 533-0716/082-887-8079 INFORMATION
HOTLINE : TEL. NO.: (012) 361-8112

WAARSKUWINGS

Vermy oogkontak.

Bêre in 'n koel plek maar vermy bevriesing.

Moenie naby vlamme of hitte stoor nie.

Bêre weg van voedselware, voer, saad, kunsmis en ander landbouchemikalieë.

Hou buite bereik van kinders, oningeligte persone en diere.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; kwaliteit van verdunningswater; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer of registrasiehouer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

Moenie sproeireën en spuitdampe inasem nie.

Was met seep en water indien per ongeluk met die vel in aanraking kom.

Moenie eet, drink of rooks tydens vermenging of toediening nie, of voordat hande en gesig gewas is nie.

Dra beskermende handskoene en gesigskerm gedurende hantering van konsentraat.

Verhoed spuitstofwegdrywing na ander gewasse, weiding, riviere, damme en enige ander gebied wat nie behandel word nie.

Moenie naby gewenste plante of bome (bv. Windbreke en sierbome langs paaie) of grondoppervlakte waar hul wortels mag wees, of vanwaar die middel na hul wortels beweeg of gespoel kan word, gebruik nie.

Moenie op grond, waar binne afsienbare tyd gevoelige plante geplant gaan word, gebruik nie.

Was en spoel spuittoerusting na gebruik deeglik uit en gooi was- en spoelwater uit waar dit nie gewasse, weiding, riviere en damme sal besoedel nie.

Voorkom besoedeling van voedselware, voer, drinkwater en eetgerei.

Spoel leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig leë houer deur gate in te kap en plat te druk en moet vir geen ander doel hergebruik nie.

GEBRUIKSBEPERKINGS

Om skade aan opvolggewasse te voorkom moet die volgende wagperiodes gehandhaaf word:

Mielies.....	Geen
Graansorghum.....	Geen
Rog.....	Geen
Hawer.....	Geen
Koring.....	Geen
Gars.....	Geen
Alle ander gewasse.....	12 maande

Na toediening moet die volgende onthoudingsperiodes voor beweiding nagekom word:

Lupiëne.....	14 dae
Ondergesaaide lusern en peulweidingsgewasse.....	150 dae

LYS VAN ONKRUIDE WAT BEHEER WORD

Die volgende onkruidspesies word normaalweg deur **FLEXIDOR™ 500 SC** teen die aanbevole toedieningshoeveelheid beheer:

Winterreëvalstreek:

Raphanus raphanistrum Ramenas

Sisymbrium thellungii Wilde mosterd

Vrystaat:

Sisymbrium thellungii Wilde mosterd
Tribulus terrestris Gewone dubbeltjie

Die volgende onkruides sal normaalweg onderdruk word:

Chenopodium album Withondebossie
Chenopodium carinatum Groenhondebossie
Galinsoga parviflora Knopkruid
Gisekea africana Gisekea
Portulaca oleracea Porslein
Tagetes minuta Langkakiebos

GEBRUIKSAANWYSINGS : Gebruik slegs soos aangedui

SKUD GOED VOOR GEBRUIK. PLAAS DEKSEL TERUG NA GEBRUIK.

MENGINSTRUKSIES

Maak die spuittenk of vooraf-mengtenk, in geval van lugbespuiting, halfvol met water. Voeg die benodigde hoeveelheid **FLEXIDOR™ 500 SC** dan deur 'n sif in die tenk in. Vul die tenk verder met water. Hou die middel in die spuittenk voortdurend in suspensie deur roering.

LET WEL:

Ph van Verdunningswater

FLEXIDOR™ 500 SC se doeltreffendheid kan benadeel word deur baie harde water (> 1 000 d.p.m. opgeloste stowwe) en deur water met 'n hoë pH-waarde.

Wanneer **FLEXIDOR™ 500 SC** gebruik word sal die optimale werking daarvan in verdunningswater met 'n pH van 4,5 - 5,5 verkry word. Verdunningswater met 'n hoër of laer pH-waarde as 4,5 - 5,5 moet gebuffer word met 'n geregistreerde buffer tot by pH 4,5 - 5,5.

Wanneer 'n buffer gebruik word om die verdunningswater te buffer, moet die buffer eers met die totale volume water wat vir die betrokke tenkmengsel benodig word, gemeng word, en daarna word die **FLEXIDOR™ 500 SC** bygevoeg.

Aangemaakte spuitmengsels moet nie in die spuittenk gelaat word vir 'n onbepaalde tydperk nie, byvoorbeeld oornag.

NOTA: Verseker deeglike beroering van die spuitmengsel te alle tye. Aan die einde van die dag moet die spuittenk deeglik met water uitgespoel word.

TOEDIENING

Grondtoediening:

FLEXIDOR™ 500 SC kan met enige hoë- of mediumvolume spuit, toegerus met 'n doeltreffende roerstelsel, toegedien word. Kalibreer spuittoerusting noukeurig voor toediening om 'n egalige toediening te verseker. Vir algehele toediening gebruik 200 - 400 liter spuitstof/ha. **FLEXIDOR™ 500 SC** kan op droëland- en besproeiingskoring gebruik word.

Inwerking (Koring in die Vrystaat)

Om genoegsame beheer van die onkruid soos gelys te verky, moet **FLEXIDOR™ 500 SC** in die grond ingewerk word alvorens geplant word.

BELANGRIK: Dit is nie nodig om **FLEXIDOR™ 500 SC** direk na gespuit is in te werk nie. Inwerking kan geskied tesame met die laaste bewerking alvorens geplant word deur middel van 'n kongskile of soortgelyke tandimplement.

Lugtoediening:

Stel die inwoners in die onmiddellike omgewing van die lande wat bespuit word in kennis en reik die nodige waarskuwings uit.

Verseker 'n eenvormige en eweredige toediening van die spuitmengsel met minimum spuitstof verlies.

Om dit te bereik moet aan die volgende vereistes voldoen word:

'n Gepaste spuitwydte wat egalige verspreiding tot gevolg het, is noodsaaklik soos in die geval van kontakonkruidodders.

Dien 30 ℓ spuitmengsel/ha toe; verkieslik met "whirljet" spuitkoppe.

'n Minimum van 25 - 40 druppels per cm² moet die bespuitingsarea bereik.

Die VMD van die spuitwolk moet 250 - 300 mikron wees.

'n Vlieghoogte van 3 meter bo die bespuitingsarea teen 'n windspoed van 0 - 8 km/h en 2 meter bo die bespuitingsarea teen 'n windspoed van 8 - 15 km/h moet gehandhaaf word. Staak bespuiting as windspoed 15 km/h oorskry. Vermy rukwindtoestande.

Bespuitings moet gestaak word sodra die relatiewe humiditeit (RH) onder 45 % daal.

Vermv bespuiting tydens oormatige hoë temperature.

Akkurate afbakening van bespuitingstroke is noodsaaklik.

Verkry die versekering van die lugbespuitingskontraakteur dat bogenoemde vereistes nagekom sal word en die nodige inligting in die vlieënier se logboek aangeteken sal word.

TOEDIENINGSHOEVEELHEDE

GEWAS	DOSIS/HA	OPMERKINGS
KORING (Kultivaars Beta, Karee en Wilge) Vrystaat (Droëland- en besproeiingskoring)	150 mℓ	Die middel moet ingewerk word alvorens geplant word. Die diepte van inwerking sal afhang van die laaste bewerking.
LUPIENE (Soet en Bitter) ONDERGESAAIDE LUSERN EN PEULWEIDINGSGEWASSE (Lusern en Medics) in die Winterreënvalstreek	Grondtoediening: 150 - 200 mℓ Lugtoediening: 150 - 200 mℓ	Dien toe as 'n na-opkomsbespuiting vir beide gewas en onkruid. Gebruik die laer dosis FLEXIDOR™ 500 SC (150 mℓ/ha) vir onkruide kleiner as 6-blaar, en die hoër dosis FLEXIDOR™ 500 SC (200 mℓ/ha) vir onkruide vanaf 6- tot 8-blaar grootte. Die onkruid moet nie groter as die 8blaar stadium wees nie.

LET WEL: *Na-opkom toediening:*

Op gronde wat suur, alkalies of brakkerig is, mag gewasse weens stremming/sub-optimale groei meer vatbaar wees vir onkruidodderskade.

**24 UUR NOODGEVAL TEL. NO. (032) 533-0716/082-887-8079 TEGNIESE
NAVRAE/INLIGTING TEL. NO. (012) 361-8112**