



# FLUX 500 SC

Reg. No. L9894, Act No. 36 of 1947 | Reg. Nr. L9894, Wet Nr. 36 van 1947

A pre-emergent suspension concentra-  
te herbicide for the control of various  
annual grasses and some broadleaf  
weeds in potatoes, maize, dry beans,  
soy beans, groundnuts and sunflower.

## HERBICIDE GROUP CODE K3

### ACTIVE INGREDIENT:

Flufenacet (oxyacetamide) 500 g/l

Manufactured for and Registered by | Vervaardig  
vir en Geregistreer deur:

Sharda International Africa cc  
Company Reg. No./Maatskappy Reg. Nr. 2010/002268/07  
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'n Vooropkoms suspensie konsentraat  
onkruidodder vir die beheer van  
verskeie eenjarige grasse en sommige  
breëblaar onkruid in aartappels,  
mielies, droëbone, sojabone, grondbone  
en sonneblom.

## ONKRUIDDODER GROEPKODE K3

### AKTIEWE BESTANDDEEL:

Flufenaset (oksi-asetamied) 500 g/l

BATCH NUMBER LOT NOMMER	
DATE OF MANUFACTURE DATUM VAN VERVAARDIGING	

NET CONTENTS /  
NETTO INHOUD

# 20 l

## UN No./VN Nr. 3082

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**HARMFUL  
SKADELIK  
VERSIGTIG**



**WARNINGS**

- Handle with care.
- May be harmful if swallowed. Do not induce vomiting. Call a physician immediately.
- May cause irritation of the eyes and skin.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container in a cool place under lock and key, away from food, feed, fertiliser and seed.
- **Re-entry interval:** Do not enter the treated area within 1 day after application unless wearing protective clothing.

Although this herbicide 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 in the event of any uncertainty.

**PRECAUTIONS**

- Do not inhale fumes or spray mist.
- Wear overalls, rubber gloves and boots, goggles and mask when mixing the concentrate.
- Wear overalls, rubber gloves and boots and face shield when applying the product.
- Avoid contact with the skin and eyes.
- Wash skin with soap and water after use or in the case of accidental skin contact.
- Flush the eyes with clean water in the case of accidental eye contact.
- Do not eat, drink or smoke while mixing or applying.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent the drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse the 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 disposing of the container by perforation and flattening. Never use the container for any other purpose.
- Clean the applicator thoroughly after use and dispose of the wash water where it will not contaminate crops, grazing, rivers or dams.

**SYMPTOMS OF HUMAN POISONING**

Symptoms of poisoning may include the following general symptoms: Headache, dizziness, weakness, salivation, nausea, vomiting, gastrointestinal disturbance, and diarrhoea.

**FIRST AID TREATMENT**

**Eye contact:** Flush eyes with plenty of clean water, occasionally lifting upper and lower eye lids, for at least 15 minutes. Check for, and remove if present, any contact lenses after the first 5 minutes of flushing. Get medical attention should any symptoms develop or persist.

**Skin contact:** Remove all contaminated clothing and leather items. Wash the skin thoroughly with soap and water, and rinse the skin with large quantities of clean water. Wash any contaminated clothing before reuse.

**Inhalation:** Remove patient to fresh air. Get medical attention should any symptoms develop or persist.

**Ingestion:** If swallowed, immediately give large amounts of water to drink. Rinse the mouth with clean water. Do not induce vomiting. If vomiting does occur, administer more water. Never give anything by mouth to an unconscious person. Get medical attention.

**NOTE TO PHYSICIAN**

Treat symptomatically and supportively. If large quantities have been ingested, gastric lavage or the administering of activated charcoal may be considered. Monitor the patient.

**RESISTANCE WARNING**

For resistance management "FLUX 500 SC" is a group code K3 herbicide. Any weed population may contain individuals naturally resistant to "FLUX 500 SC" and other group code K3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by "FLUX 500 SC" or any other group code K3 herbicide.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with registered products from different herbicide group codes.
  - Integrate other control methods (chemical, cultural, biological) into weed control programs.
- For specific information on resistance management contact the registration holder of this product.

**DIRECTIONS FOR USE: Use only as directed****COMPATIBILITY**

Always strictly adhere to the mixing instructions, and always read and follow this label and the label for the product with which "FLUX 500 SC" is mixed. Water quality can affect compatibility. It is recommended that a compatibility test be carried out with the water and products to be used in the tank mix prior to use.

**MIXING INSTRUCTIONS**

- Half fill the spray tank with water. Add the required amount of "FLUX 500 SC" to the spray tank. Top up with clean water. Make sure the spray mixture is kept in suspension during mixing and spraying by thorough agitation.
- When spraying a tank mix, add the required amount of "FLUX 500 SC" to the spray tank first as described above. Add more water to the spray tank before adding the other tank mix product in a diluted form. Make sure the spray mixture is kept in suspension during mixing and spraying by thorough agitation.
- Do not allow any spray mixture to stand for an extended length of time, e.g. overnight.

**WAITING PERIOD**

To prevent damage to follow-up crops, adhere to the following waiting periods:

- Do not plant wheat within four months after a "FLUX 500 SC" application.
- Do not plant sorghum within six months after a "FLUX 500 SC" application.

- Groundnuts, sunflower and beans (soy- and dry beans) may be planted immediately after a "FLUX 500 SC" application.

**USE RESTRICTIONS**

- Application under stress conditions on light sandy soils (wet, cold conditions, soil compaction layer, etc.) may cause damage to maize plants.
- Avoid double spraying and excessive overlapping of spray swaths.
- Stunting of the crops and other adverse effects may be experienced when the directions of this label are not strictly adhered to.

**APPLICATION INSTRUCTIONS**

- Accurately calibrate the spray equipment prior to each application.
- Ensure that the spray nozzles are correctly positioned for an even coverage of the soil surface.
- Apply with a tractor-mounted boom sprayer or knapsack sprayer with flat fan nozzles, to deliver a minimum of 200 l spray solution per hectare at a pressure of 100 – 200 kPa. It is essential that the sprayer is equipped with an efficient agitator.
- Properly prepare the soil before applying "FLUX 500 SC". The soil must have a fine till and be free of large clods, weeds and remains of the previous crop. Weeds that have germinated at the time of application will not be controlled by "FLUX 500 SC". "FLUX 500 SC" should preferably be applied during or immediately after planting, when planting in moist soil. However, it can be applied up to 3 days after cultivation and planting.
- When planting under dry conditions, apply "FLUX 500 SC" as close to, but definitely before the first rains.
- 10 – 15 mm rain or overhead irrigation after a "FLUX 500 SC" application, but prior to the germination of weeds, will lead to improved efficacy.

**APPLICATION RATES**

CROP	DOSAGE RATE (l/HA)	SOIL CLAY %
Maize	400 – 500 ml	Only apply on soils containing 10 – 40 % clay.
Potatoes	400 – 500 ml	Apply on all soils containing up to 40 % clay.
Groundnuts and sunflowers	400 – 500 ml	Apply on all soils containing up to 40 % clay.
Dry beans and soybeans	400 – 500 ml	Apply on all soils containing up to 40 % clay.

**REMARKS:**

Apply a single application to prepared soil with a fine till just after planting. Irrigate after application for improved efficacy. Refer to "APPLICATION INSTRUCTIONS" above for more information.

**SOME WEEDS NORMALLY CONTROLLED:**

BOTANICAL NAME	COMMON NAME
Annual Grass Weeds	
<i>Chloris virgata</i>	Feather-top chloris
<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Echinochloa colona</i>	Marsh grass
<i>Echinochloa crus-galli</i>	Barnyard grass
<i>Eleusine coracana</i>	African goose grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Setaria viridis</i>	Green bristle grass
Annual Broadleaf weeds*	
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Portulaca oleraceae</i>	Common purslane

\* Dosage related control of broadleaf weeds will be obtained. "FLUX 500 SC" may only suppress the above list of broadleaf weeds at lower dosage rates. Use higher rates for better results.

**WAARSKUWINGS**

- Hanteer versigtig.
- Mag skadelik wees indien ingesluk word. Moet nie braking veroorsaak nie. Kontak 'n geneesheer onmiddellik.
- Mag oog- en velirritasie veroorsaak.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Bêre in die oorspronklike houder in 'n koel plek onder slot en grendel, weg van voedsel, voer, kunsmis en saad.
- Herbetreding: Moet nie behandelde gebied betree binne 1 dag na behandeling nie, tensy beskermende klerasie gedra word.

Alhoewel hierdie onkruidodder 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; gehalte van verdunningswater; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie; die moontlikheid dat die onkruid weerstand kan bied teen die onkruidodder; sowel as die metode, tyd, en akkuraatheid van die toediening. Die registrasiehouer aanvaar ook nie verantwoordelikheid vir skade aan gewasse, plantegroei, en die omgewing; of vir skadelike effekte op mens en dier, of vir die gebrek aan prestasie van die onkruidodder as gevolg van die verbruiker se versuim om die instruksies op die etiket getrou na te kom nie; of vir die ontstaan van toestande wat nie kragtens die registrasie voorspel kon word nie. In die geval van enige onsekerheid, raadpleeg die verskaffer.

**VOORSORGMATREËLS**

- Moet nie dampe of spuitnewel inasem nie.
- Dra oorpakke, rubberstewels en handskoene, oogbeskerming en masker as die konsentraat gemeng word.
- Dra oorpakke, rubberstewels en handskoene en gesigskerm wanneer die produk toegedien word.
- Vermyn kontak met die vel en oë.
- Was vel met seep en water na gebruik of in geval van toevallige kontak met die vel.
- Spoel oë uit met skoon water in geval van toevallige kontak met die oë.
- Moet nie eet, drink of rook terwyl produk vermeng of toegedien word nie.
- Voorkom kontaminasie van voedsel, voer, eetgerei en drinkwater.
- Voorkom wegdrywing van spuitmis na ander gewasse, weiding, riviere, damme of gebiede wat nie behandel word nie.
- Spoel die leë houder driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houder. Gooi die spoelwater by die inhoud van die spuitnek voordat die houder vernietig word deur gate daarin te maak en dit plat te slaan. Moet vir geen ander doel gebruik nie.
- Maak spuittoerusting deeglik skoon na gebruik en gooi waswater waar dit nie gewasse, weiding, riviere of damme sal besoedel nie.

**SIMPOME VAN VERGIFTIGING**

Simpome van vergiftiging mag die volgende algemene simptome insluit: Hoofpyn, duiseligheid, swakte, oormatige speekselvloei, naarheid, braking, gastrointestinale ongemak en diarree.

**NOODHULPBEHANDELING**

**Oogkontak:** Spoel oë met groot hoeveelhede skoon water uit vir ten minste 15 minute en lig die boonste en onderste ooglede met intervalle tydens spoeling. Na 5 minute maak seker dat die pasiënt nie kontak lense dra nie en verwyder dit indien wel. Kry mediese hulp indien enige simptome ontwikkel of voortduur.

**Velkontak:** Verwyder alle gekontamineerde kleren en leer items. Was die vel deeglik met seep en water, en spoel die vel met groot hoeveelhede skoon water. Was enige gekontamineerde kleren voor hergebruik.

**Inaseming:** Verwyder pasiënt na vars lug. Kry mediese aandag indien enige simptome ontwikkel of voortduur.

**Inname:** Indien ingesluk, gee onmiddellik groot hoeveelhede water om te drink. Spoel die mond met skoon water. Moet nie braking induseer nie. Indien braking spontaan gebeur, gee nog water. Moet nooit iets per mond aan 'n bewustelose persoon gee nie. Kry mediese hulp.

**NOTA AAN GENEESHEER**

Behandel simptome en ondersteunend. Indien groot hoeveelhede ingesluk is, oorweeg maagspoeling of die toediening van geaktiveerde steenkool. Monitor die pasiënt.

**WEERSTANDSWAARSKUWING**

"FLUX 500 SC" is 'n groeikode K3 onkruidodder. Enige populasie mag individue insluit wat 'n natuurlike weerstand teen "FLUX 500 SC", of enige ander groeikode K3 onkruidodder het. Indien hierdie onkruidodder herhaaldelik toegedien word, kan die weerstandbiedende individue uiteindelik die onkruid populasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur "FLUX 500 SC" of enige ander groeikode K3 onkruidodder beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groeikode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende onkruidodder groeikodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in die onkruidodder programme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van die produk.

**GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui****VEREENIGBAARHEID**

Hou altyd streng by die menginstruksies en lees en volg altyd hierdie etiket en die etikette vir die produkte waarmee "FLUX 500 SC" gemeng word. Water kwaliteit kan verenigbaarheid beïnvloed. Dit word aanbeveel dat 'n verenigbaarheidstoets uitgevoer word met die water en produkte wat gebruik gaan word in 'n tenkmengsel voor dit gespuit word.

**MENG INSTRUKSIES**

- Vul die tenk halfvol met water. Voeg die benodigde hoeveelheid "FLUX 500 SC" by die spuitnek. Vul die tenk verder met water tot die verlangde volume. Maak seker dat die spuitmengsel in suspensie bly terwyl gemeng en gespuit word deur dit deeglik te roer.
- As "FLUX 500 SC" in 'n tenkmengsel gespuit word, voeg die benodigde hoeveelheid "FLUX 500 SC" eerste by die spuitnek soos hierbo beskryf. Voeg meer water by die spuitnek voordat die ander produk in 'n verdunde oplossing by die tenkmengsel gevoeg word. Maak seker dat die spuitmengsel in suspensie gehou word terwyl dit gemeng en gespuit word deur dit deeglik te roer.
- Moet nie toelaat dat die spuitmengsel vir enige bepaalde tydperk, bv. oornag, in die spuitnek gelaat word nie.

**WAGPERIODES**

Om skade aan opvolg gewasse te voorkom, pas die volgende wagperiodes streng toe:

- Moet nie koring binne vier maande na 'n "FLUX 500 SC" toediening plant nie.
- Moet nie sorghum binne ses maande na 'n "FLUX 500 SC" toediening plant nie.
- Grondbone, sonneblom en bone (soja- en droëbone) mag onmiddellik na 'n "FLUX 500 SC" toediening geplant word.

**GEBRUIKSBEPERKINGS**

- Toediening onder strestoestande op ligte sanderige gronde (nat, koue toestande, gekompakteerde grondlae, ens.) mag skade aan mielie plant veroorsaak.
- Voorkom dubbel bespuiting en oormatige oorvleueling van spuitbane.
- Verdwinging van gewasse en ander ongunstige gevolge mag ondervind word indien daar nie streng by die aanwysings van hierdie etiket gehou word nie.

**TOEDIENINGSINSTRUKSIES**

- Maak seker dat die spuittoerusting akkuraat gekalibreer is voor elke toediening.
- Maak seker dat die spuitkoppe korrek geïnstalleer is vir 'n egalige bedekking van die grondoppervlakte.
- Dien toe met trekker gemonteerde valarms of rugsakspuit met platwaaierspuitkoppe, om 'n minimum van 200 l spuitplossing per hektaar toe te dien, teen 'n druk van 100 – 200 kPa. Dit is belangrik dat die spuittoerusting met 'n doeltreffende roerder toegerus is.
- Berei die grond deeglik voor, voordat "FLUX 500 SC" toegedien word. Die grond moet fyn wees sonder groot klonte, onkruid en oorblyfsels van die vorige gewas. Onkruid wat reeds ontkiem het wanneer die produk toegedien word sal nie deur "FLUX 500 SC" beheer word nie.
- "FLUX 500 SC" moet verkieslik gedurende of onmiddellik na plant toegedien word, as op klam gronde toegedien word. Alhoewel, dit kan tot 3 dae na bewerking en plant toegedien word.
- Indien onder droë toestande geplant word, dien "FLUX 500 SC" so na as moontlik, maar definitief voor die eerste reëns toe.
- 10 – 15 mm reën of oorhoofse besproeiing na 'n "FLUX 500 SC" toediening, maar voor onkruid ontkiem, sal lei tot verhoogte effektiwiteit.

**TOEDIENINGSDOSSISE**

GEWAS	DOSAGE RATE (l/HA)	SOIL CLAY %
Mielies	400 – 500 ml	Dien slegs toe op gronde met 10 – 40 % klei.
Aartappels	400 – 500 ml	Dien toe op alle gronde tot en met 40 % klei.
Grondbone en sonneblomme	400 – 500 ml	Dien toe op alle gronde tot en met 40 % klei.
Droëbone en sojabone	400 – 500 ml	Dien toe op alle gronde tot en met 40 % klei.

**OPMERKINGS:**

Dien 'n enkel bespuiting toe op fyn, voorbereide grond net na plant. Besproei na toediening vir verhoogte effektiwiteit. Verwys na "TOEDIENINGSINSTRUKSIES" hierbo vir meer inligting.

**SOMMIGE ONKRUIDE WAT NORMAALWEG BEHEER WORD:**

BOTANIESE NAAM	GEWONE NAAM
Eenjarige Grasse	
<i>Chloris virgata</i>	Witpluim-chloris
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Echinochloa colona</i>	Moerasgras
<i>Echinochloa crus-galli</i>	Hanepootmanna
<i>Eleusine coracana</i>	Osgras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Setaria viridis</i>	Groen klitsgras
Eenjaar Breëblaar onkruid *	
<i>Galinsoga parviflora</i>	Knopkruid
<i>Portulaca oleraceae</i>	Porslein

\* Beheer van breëblaar onkruid sal dosis verwant wees. "FLUX 500 SC" mag slegs die breëblaar onkruid hierbo gelys onderdruk teen laer dosisse. Gebruik die hoër dosisse vir beter resultate.