READ THE LABEL BEFORE USE

Sabre 200 ec

Reg. No./Nr. L9845 Act/Wet 36/1947

A systemic emulsifiable concentrate herbicide for the control of volunteer potatoes and woodyplants as listed for forestry, grass pastures, conservation and industrial areas

‘n Sistemiese emulgeerbare konsentraat onkruiddoder vir die beheer van opslagaartappels en houtagtige plante soos aangetoon in bosbou gras-weiding, bewarings en nywerheidsgebiede

DANGER

Hazard statements

- Causes skin and serious eye irritation
- May be fatal if swallowed and enters airways
- Very toxic to aquatic life with long lasting effects
- Flammable liquid

Precautionary statements

- Avoid breathing dust/fume/gas/mist/ vapours/spray.
- Avoid release to the environment. – if this is not the intended use.

HERBICIDE GROUP CODE	O	ONKRUIDDODER GROEPKODE

ACTIVE INGREDIENT	**/**	**AKTIEWE BESTANDDEEL**
Fluroxypyr (Pyridyloxy Compound)	200 g/ℓ	Fluroksipir (Piridiloksieverbinding)

NET VOLUME (2 ℓ / 5 ℓ / 20 ℓ)

NETTO VOLUME (2 ℓ / 5 ℓ / 20 ℓ)

REGISTRATION HOLDER/REGISTRASIE HOUER:
Future Farm & Forest
Services & Supplies (Pty) Ltd.
Reg. 1998/014639/07
P.O. Box 98165
Sloane Park
2152

DISTRIBUTED BY/ VERSPREI DEUR:
Ecoguard Biosciences (Pty) Ltd.
Reg. 1988/001616/07
Tel: 011 - 463 6057
Fax: 011 - 463 6462

ECOGUARD
Environmentally compatible solutions for pest & vegetation management

UN NUMBER	1993	UNNOMMER
BATCH NUMBER		LOTNOMMER
DATE OF MANUFACTURE		DATUM VAN VERVAARDIGING

EMERGENCY CONTACT Tel: 011 463 5842
TYGERBERG POISON INFO CENTRE: 086 155 5777

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

WARNINGS:

- Allow 3 days between last application and grazing of treated areas.
- Allow 4 months between last application and the planting of a broadleaf crop.
- Handle with care.
- May be fatal if swallowed and enters airways.
- Causes skin and serious eye irritation.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Store in a cool place.
- Store away from food, feed, seed, other agricultural chemicals and out of reach of children, uninformed persons, and animals.
- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.
- INFLAMMABLE. Do not store near open flame.
- Flammable liquid and vapor.

RE-ENTRY INTERVAL: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poison, contact:

GRIFFON POISON INFO CENTRE: 082 446 8946

INFORMATION HOTLINE: TEL. NO.: (011) 463-6057

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 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:

- Wear protective gloves and face protection when handling the concentrate.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

- Wear protective gloves/protective clothing/eye protection/face protection.
- Take off contaminated clothing and wash it before reuse.
- Wash contaminated clothing daily.
- Wash hands thoroughly after handling. Do not touch eyes.
- Avoid eye contact. In case of eye contact, flush eyes with clean water.
- Wash with soap and water after accidental skin contact.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical help.
- Do not eat, drink or smoke whilst applying, mixing or before washing hands and face and change of clothing.
- IF SWALLOWED: Get emergency medical help immediately. Competent Authority or manufacturer/supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN: Wash with plenty of water.
- If skin irritation occurs: Get medical help.
- Get medical help if you feel unwell.
- Do NOT induce vomiting.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Avoid release to the environment. – if this is not the intended use.
- Clean the spray applicator with a 1 % solution of household ammonia before using with other products. Allow the solution to stand in the spray tank for several hours but preferably overnight. Rinse at least twice with clean water. This applicator should not be used for applying products other than herbicides. Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- 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 by perforation and flattening and NEVER use for any other purpose.
- Collect spillage.
- Dispose of contents/ container to an approved waste disposal plant.
- Store locked up.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Store in a well-ventilated place. Keep container tightly closed.
- Use only outdoors or in a well-ventilated area.
- Keep out of reach of children.

RELEVANT SUBSTANCES	Weight (%)
Fluroxypyr-meptyl	18-22%
Polyxyethylene alkylphenol	5-9%
Butyl cellosove	<5%
Aromatic hydrocarbons	<50%

RESISTANCE WARNING

For resistance management, **SABRE 200 EC** is an Herbicide Group Code O. Any weed population may contain individuals naturally resistant to this and other Group Code O herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SABRE 200 EC** or any other Group O herbicides. To delay resistance:

- Avoid repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide codes.
- Integrate control measures (chemical, cultural and biological) into weed control programmes.

For specific information on resistance management, contact your local distributor.

DIRECTIONS FOR USE: Use only as directed.

COMPATIBILITY:
SABRE 200 EC is compatible with ACTIPRON SUPER* (L 5506).

MIXING:
Half fill the spray tank with water and add the required volume of **SABRE 200 EC**. While filling the spray tank add surfactant (where indicated) at the rate indicated below while maintaining constant agitation.

APPLICATION:

A. FOLIAR APPLICATION:

Use only on actively growing plants with full leaf cover.

- Apply as a full cover spray to leaves and stems.
- Rain after application will have no effect on efficacy provided the spray has dried on the target plants. Do not apply to wet foliage.
- Avoid spray drift onto non-target plants.

- Use a knapsack sprayer with a solid cone nozzle (eg. Spraying Systems TG-1, Delevan CE 1 or equivalent type) that will ensure an even coverage of the target area. Maintain a constant pressure of between 200 - 300 kPa.
- For application against volunteer potatoes in maize, a sprayboom equipped with drop arms should be used while in wheat and Eragrostis a conventional sprayboom may be used. Flat fan nozzles (eg Spraying Systems 110-04) should be used. Ensure sufficient spray mixture is applied to obtain thorough coverage of the potato plants. (Refer to the REMARKS column in the tables below).

B. BASAL BARK TREATMENT

For plants with stem diameter up to 10 cm:

- **SABRE 200 EC** in diesel should not be applied to stems if surface is wet from rain or dew.
- Apply by paintbrush or knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle. Apply all around the basal stem or trunk of the woody plant, from soil level to a height indicated, as well as any exposed roots. In order to obtain satisfactory results, thorough wetting of the indicated area is imperative. Old or rough bark may require more mixture than young or smooth bark. In the case of multi-stemmed plants, each stem should be treated separately.

RATE AND METHOD OF APPLICATION:

A. FOLIAR APPLICATIONS:

PLANT	RATE/100 ℓ WATER	REMARKS
Acacia mearnsii (Black wattle) ***Acacia melanoxylon*** (Blackwood)	125 mℓ (0.125 % mixture)	**FOLIAR:** On young actively growing plants up to 1,0 meter in height, use sufficient spray mix volume to ensure afull and even coverage of leaves and stems. Actipron Super* (L5506) should be added at a rate of 500 mℓ /100 ℓ spray mix (or 0.5% mixture).
Solanum mauritianum (Bugweed)	125 mℓ (0.125 % mixture)	**FOLIAR:** On young actively growing plants up to 1,0 meters in height, use sufficient spray mix volume to ensure a full and even coverage of

	1 ℓ (in diesel)	leaves and stems. Plants higher than 1,0 metre should be slashed and regrowth sprayed when not less than 0,5 metre high. Actipron Super* (L5506) should be added at a rate of 500 mℓ /100 ℓ spray mix (or 0.5% mixture). **BASAL STEM:** Ensure wetting of all bark of root crown and stem up to a height of 0.25 meters.

PLANT	RATE/HA	REMARKS
Solanum tuberosum (Volunteer potatoes in Maize, Wheat or Eragrostis)	1.25 ℓ per hectare (in water)	**FOLIAR:** Do not use an adjuvant based on a mineral oil. Begin application as soon as most potatoes have emerged and are in the 6-leaf stage until pre-flowering. Use 300 spray mixture/hectare to ensure that all leaves and stems of the potatoes are thoroughly wetted. Only potatoes present at application will be controlled. Level of control will vary according to potato vigour, cultivar and crop competition. Potatoes germinating after application will not be controlled. In case of spraying volunteer potatoes in: - Maize: Plants must be at least 50 cm high at the time of application. Do not apply in the funnels of maize plants or spray over the maize plants. Use a

		directed spray and ensure that nomaize leaves shield the spray mixture reaching the potatoes. It takes approximately 2 weeks before the first symptoms are observed. **Not for use in sweetcorn or pop corn.** - Wheat should be from the 3-leaf to before flag leaf emergence stage (Zadoks 13-33) when application is made. - *Eragrostis* should be between the 3-leaf stage and pre-flowering when application is made.

N.B. - In situations where more than one species of target plant occurs contact your local technical representative.

- For assistance in the calibration for spot treatments please contact your local technical representative.

***ACTIPRON SUPER** (Mineral oil), Reg. No. L5506 Act No. 36 of 1947, is the Trademark of H&R GSP (Pty) Ltd.

WAARSKUWINGS:

- Laat 3 dae toe tussen laaste toediening en beweiding van behandelde gebiede.
- Laat 4 maande toe tussen laaste toediening en die plant van 'n breëblaargewas
- Hanteer versigtig.
- Kan dodelik wees indien ingesluk en in lugweë ingaan.
- Veroorsaak vel- en ernstige oogirritasie.
- Kan respiratoriese irritasie veroorsaak.
- Kan lomerigheid of duiseligheid veroorsaak.
- Berg in 'n koel plek.
- Berg weg van voedsel, voer, saad, ander landbouchemikalieë en buite bereik van kinders, oningeligte persone en diere.
- Baie giftig vir waterlewe.
- Baie giftig vir waterlewe met langdurige effekte.
- VLAMBAAR. Moet nie naby oop vlam stoor nie.
- Vlambare vloeistof en damp.

HERBEVOEGINGSINTERVAL: Moet nie behandelde area betree voordat spuitneerslag droog is nie, tensy beskermende klere gedra word.

In geval van vergiftiging, kontak:

GRIFFON POISON INFO SENTRUM: 082 446 8946

TEGNIESE NAVRAE/INLIGTING TEL. NO. (011) 463-6057

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; kwalitiet 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:

- Dra beskermende handskoene en gesigbeskerming wanneer die konsentraat hanteer word.
- Vermy asemhaling van stof/rook/gas/mis/dampe/sproei.
- Dra beskermende handskoene/beskermende klere/ oogbeskerming/ gesigbeskerming.
- Trek besoedelde klere uit en was dit voor hergebruik.
- Was besoedelde klere daagliks.
- Was hande deeglik na hantering. Moenie aan oë raak nie.
- Vermy oogkontak. In geval van oogkontak, spoel oë uit met skoon water.
- Was met seep en water na toevallige velkontak.
- INDIEN IN OË: Spoel versigtig uit met water vir 'n paar minute. Verwyder kontaklense, indien teenwoordig en maklik om te doen. Gaan voort met spoel.
- Indien oogirritasie voortduur: Kry mediese hulp.
- Moet nie eet, drink of rook tydens toediening, vermenging of voordat hande en gesig gewas is en klere aangetrek is nie.
- INDIEN INGESLUK: Kry onmiddellik mediese noodhulp. Bevoegde Owerheid of vervaardiger/verskaffer kan 'Bel', gevolg deur die toepaslike noodtelefoonnommer, of die toepaslike nood mediese hulpverskaffer byvoeg, byvoorbeeld 'n Gifsentrum, Noodsentrum of Dokter.
- INDIEN INGESAEM: Verwyder persoon na vars lug en hou gemaklik om asem te haal.
- INDIEN OP DIE VEL: Was met baie water.
- Indien velirritasie voorkom: Kry mediese hulp.
- Kry mediese hulp as jy onwel voel.
- MOENIE braking veroorsaak nie.
- Voorkom wegdrywing na ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie.
- Vermy vrylating na die omgewing. – indien dit nie die beoogde gebruik is nie.
- Maak die spuittoediener skoon met 'n 1 % oplossing van huishoudelike ammoniak voordat dit saam met ander produkte gebruik word. Laat die oplossing vir 'n paar uur in die spuittenk staan, maar verkieslik oornag. Spoel ten minste twee keer met skoon water. Hierdie toediener moet nie gebruik word vir die toediening van ander produkte as onkruiddoders nie. Gooi spoelwater weg waar dit nie voedsel, weiding, riviere of damme sal besoedel nie.
- Spoel leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van dié van die houer. Voeg die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word deur gate daarin te kap en plat te slaan en moet NOOIT vir enige ander doel gebruik nie.
- Versamel gemors.
- Gooi inhoud/houer weg na 'n goedgekeurde afvalverwyderingsaanleg.
- Stoor toegesluit.
- Voorkom kontaminasie van voedsel, voer, drinkwater en eetgerei.

- Hou weg van hitte, warm oppervlaktes, vonke, oop vlamme en ander ontstekingsbronne. Geen rook nie.
- Berg in 'n goed geventileerde plek. Hou die houer dig toe.
- Gebruik slegs buite of in 'n goed geventileerde area.
- Hou buite bereik van kinders.

RELEVANTE STOWWE	Inhoud (%)
Fluroxypyr-meptyl	18-22%
Polyxyethylene alkylphenol	5-9%
Butyl sellosove	<5%
Aromatiese koolwaterstowwe	<50%

BESTANDHEIDSWAARSKUWING
Vir weerstandbestuur is **SABRE 200 EC** 'n groepkode O onkruiddoder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat n natuurlike weerstand teen dié of enige ander groepkode O onkruiddoders het. Indien hierdie onkruiddoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruide sal waarskynlik nie deur **SABRE 200 EC** of enige ander groep kode O onkruiddoder beheer word nie. Om weerstand teen onkruiddoders te vertraag:

- Vermy die herhaaldelike gebruik van onkruiddoders met dieselfde groepkode. Wissel af met of gebruik tenkmengsels van produkte in verskillende onkruiddoder groepkodes.
- Integreer ander beheermaatreëls (chemise, verbouing en biologies) in onkruiddoder programme.

Vir spesifieke inligting oor weerstandsbestuur kontak u plaaslike verspreider.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

VERENIGBAARHEID:
SABRE 200 EC is mengbaar met ACTIPRON SUPER* (L 5506).

VERMENGING:
Vul die spuittenk halfvol met water en voeg die benodigde volume **SABRE 200 EC** by. Vul die spuittenk dan verder met water en voeg benatter (waar aangedui word) by teen die dosis soos hieronder aangedui, terwyl konstante roering plaasvind.

TOEDIENING:

A. LOOFTOEDIENING:

Wend slegs aan wanneer plante volle drag blare het en aktief groei.

- Dien toe as 'n volledige dekbespuiting op loof en stamme.
- Na toediening sal reën geen invloed op die effektiwiteit hê nie, indien die spuitstof op die teiken plant droog geword het.
- Moet nie toegedien word wanneer blare nat is nie.
- Verhoed spuitstofwegdrywing na gewenste plante.
- Gebruik 'n rugsakspuit wat toegerus is met soliede keelspuitstukke (bv Spraying Systems TG-1, Delevan CE1 of soortgelyk spuitstukke) wat egalige benatting sal verseker. Handhaaf 'n konstante druk van 200 - 300 kPa.
- Vir toediening teen opslag aartappels in mielies moet gebruik gemaak word van 'n spuitbalk toegerus met valarms terwyl in koring en Eragrostis kan 'n konvensionele spuitbalk gebruik word. Plat waaier spuitkoppe (bv. Spraying Systems 110-04) moet gebruik word. Dien genoegsame spuitmengsel toe om goeie benatting van die aartappels te verseker. (Verwys na OPMERKINGS in tabelle hieronder).

B. STAMBESPUITING

Vir plante met stamdeursnee tot 10 cm:

- **SABRE 200 EC** in diesel moet nie toegedien word op stamme indien hulle nat is weens reën of dou nie.
- Dien toe met 'n verfkwas of met 'n rugsakspuit met 'n nouhoekige soliede keelspuitstuk as 'n growwe, lae druk bespuiting. Dien toe regrondom die stamme van houtagtige plante vanaf grondhoogte tot 'n hoogte soos aangedui, asook enige ontblote wortels. Deeglike benatting van die aangeduide area is noodsaaklik vir goeie beheer. Ou of growwe bas mag meer spuitstof benodig as jong of gladde bas. Waar meer as een stam per bos of struik voorkom, moet elke stam afsonderlik behandel word.

TOEDIENINGSHOEVEELHEDE EN -METODE VAN TOEDIENING

A. LOOFTOEDIENING:

PLANTSOORT	RATE / 100LITER	OPMERKINGS
Acacia mearnsii (Swartwattel) ***Acacia melanoxylon*** (Swarthout)	125 mℓ (0.125 % mengsel)	**LOOFTOEDIENING:** Op jong aktiefgroeiende plante tot en met 1-meter hoogte, gebruik genoegsame spuitmengsel om 'n volledige en eweredige dekking van blare en stamme te verseker. Actipron Super* (L5506) moet te alle tye bygevoeg word teen 500 mℓ /100-literspuitmengsel (of 0.5% mengsel).
Solanum mauritianum (Luisboom)	125 mℓ (0.125 % mengsel) 1ℓ (in diesel)	**LOOFTOEDIENING:** Op jong aktiefgroeiende plante tot en met 1-meter hoogte gebruik genoegsame spuitmengsel om 'n volledige en eweredige dekking van blare en stamme te verseker. Plante hoër as 1-meter moet eers afgekap word. Hergroei word gespuit wanneer dit nie minder as 0.5-meter hoog is. Actipron Super* (L5506) moet te alle tye bygevoeg word teen 500 mℓ /100-literspuitmengsel (of 0.5% mengsel). **STAMBEHANDELING:** Verseker benatting van die wortelkroon en stam tot 'n hoogte van 0.25-meter op die stam.

PLANTSOORT	RATE/HA	OPMERKINGS
Solanum tuberosum (Opslag aartappels in	1.25 ℓ / hektaar (in water)	**LOOFTOEDIENING:** Moet nie ‘n hulpmiddel gebasseer op ‘n minerale oilie gebruik nie. Begin met toediening sodra die

Mielies, Koring of Eragrostis)		meeste aartappels opgekom het en ongeveer in die 6-blaarstadium tot net voor blom is. Gebruik 300 ℓ spuitmengsel/hektaar om te verseker dat alle blare en stingels van die aartappels deeglik benat word. Alleenlik aartappels wat teenwoordig is tydens toediening sal beheer word. (Vlak van beheer sal varieer volgens aartappel groeikrag, kultivar en gewas kompetisie). Aartappels wat na toediening opkom sal nie beheer word nie. In die geval van die bespuiting van opslagaartappels in: • Mielies plante moet minstens 50 cm hoog wees tydens toediening. Moet nie direk in die kelke van, of oor mielies toedien nie. Dien as 'n gerigte bespuiting toe om te voorkom dat afskerming van die spuitmengsel op die aartappels plaasvind. Dit neem normaalweg 2 weke voor die eerste simptome op aartappels waargeneem word. **Nie vir gebruik in suikermielies of springmielies nie.** • Koring dien toe vanaf die 3-blaarstadium tot net voor vlagblaar ontwikkeling (Zadoks 13-33). • Eragrostis - dien toe vanaf die 3-blaar tot net voor die blom groeistadium toe.

BELANGRIK: - Wanneer meer as een ongewenste plant spesies voorkom, raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.

- Vir hulp met kalibrasie by kolbehandeling raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.

***ACTIPRON SUPER** (mineraal olie) (Reg. Nr. L5506) Wet Nr. 36 van 1947, is die handelsmerk van H&R GSP (Edms) Bpk.