

WARNINGS:

- Allow the following withholding periods between application and grazing or feeding:

Barley, Oats, Lucerne & Wheat:	40 days
Maize & Grain sorghum:	14 days

- Handle with extreme care.
- Toxic if swallowed and by skin contact.
- Harmful if inhaled.
- Moderate irritant to eyes and skin.
- Toxic to fish and wildlife.
- **EXTREMELY FLAMMABLE** - do not store near open flame.
- Store under lock and key in a cool, dry place, away from food, feeds and seed.
- Keep out of reach of children, uninformed persons and animals.
- **In case of poisoning call a doctor and make the label available to him/her.**
- **Re-entry:** Do not enter treated area within 2 days after treatment unless wearing protective clothing.

Aerial Application: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water and adjacent areas.

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, incompatibility with other substances not indicated on the label and the occurrence of resistance of the weeds to the remedy concerned as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.

PRECAUTIONS:

- Do not inhale fumes or spray mist.
- Avoid skin and eye contact.
- Wear protective clothing, suitable mask, rubber gloves and rubber boots when handling and mixing the product and whilst applying the spray mixture.
- Wash with soap and water after use and accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean application equipment after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.

- Triple rinse empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the 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 described manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING: If swallowed and aspirated into the lungs, chemical pneumonia can occur.

Swallowing may cause sweating, raised temperature, rapid breathing, and muscle rigidity. Breathing vapours may cause listlessness, raspy breathing, and lung injury. High concentrations may have an anaesthetic effect.

FIRST AID TREATMENT: The airway should be kept clear to maintain respiration. First aid treatment should be performed by qualified medical personnel and should include, if necessary, mouth-to-nose respiration and cardiac massage.

Inhalation: Immediately remove source of contamination or move the patient to fresh air. Keep the patient warm and at rest. If necessary, perform mouth-to-nose respiration and administer oxygen. **Obtain medical advice immediately.**

Skin contact: Remove contaminated clothing, shoes and leather goods immediately. Wash skin gently and thoroughly with clean water and non-abrasive soap until no evidence of chemical remains. **Obtain medical advice immediately.**

Eye contact: Flush eyes immediately with large amounts of gently flowing cold water, occasionally lifting upper and lower lids, for at least 15 to 20 minutes until no evidence of chemical remains. Obtain medical advice.

Ingestion: Do not induce vomiting, due to aromatic solvent present in product. **Obtain medical advice immediately** and make the container, or label or Data Sheet available.

Never give anything by mouth to a semi-conscious or unconscious person. If vomiting occurs, take care to prevent vomit from being inhaled. Establish and maintain airway. Treat respiratory difficulty with artificial respiration and oxygen.

ADVICE TO PHYSICIAN: If product is aspirated into the lungs during ingestion or vomiting, mild to severe chemical pneumonia may be caused. There is no known antidote. Treat symptomatically and supportively as and when required. Gastric lavage or the administration of activated charcoal with water may be indicated.

RESISTANCE WARNING: BROMOXYNIL 225 EC is a group code **C3** herbicide. Any weed population may contain individuals naturally resistant to **BROMOXYNIL 225 EC** and other group code **C3** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **BROMOXYNIL 225 EC** or



BROMOXYNIL 225 EC

Reg No./Nr.: L 9951 Act/Wet 36 of/van 1947

Emulsifiable concentrate. A herbicide for the selective control of certain broadleaf weeds in wheat, barley, oats, Lucerne, maize and grain sorghum.

Emulgeerbare konsentraat. Onkruidodder vir die selektiewe beheer van sekere breëblaaronkruid in koring, gars, hawer, lusern, mielies en graansorghum.

HRAC HERBICIDE GROUP CODE	C3	HRAC ONKRUIDDODER GROEPKODE
----------------------------------	-----------	------------------------------------

ACTIVE INGREDIENT / BESTANDDEEL:

Bromoxynil (nitrile) (octanoate)225 g/ℓ Bromoksiniil (nitrile) (oktanoaat)

Manufacture Date:
Vervaardigingsdatum

Batch No.:
Lotnommer

CONTENTS / INHOUD

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS
SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

REGISTRATION HOLDER / GEREGISTRASIEHOUER:

CEDAR FALL PROPERTIES 130 (Pty) Ltd

Co. Reg. No: 2006/031383/07

22 Burnside Drive, Old Mill Industrial Park, Mount Edgecombe, South Africa 4000 • Tel: 031 538 8700

UN No.: 3082



**HARMFUL
SKADELIK**



any other group code **C3** herbicide.

To delay herbicide resistance:

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

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: Use only as directed.

COMPATIBILITY:

- **BROMOXYNIL 225 EC** is compatible with atrazine SC, MCPA and alachlor 384 EC. However, since it is not possible for this registered company to test all possible combinations, the onus lies with the user to carry out a compatibility test, if tank mixtures are considered.
- The warnings, precautions, restrictions, recommendations, instructions and directions for use on the labels of the products that are mixed should be strictly adhered to.

MIXING INSTRUCTIONS:

- Half fill the spray tank with clean water.
- Measure out the required quantity of **BROMOXYNIL 225 EC** and add to the spray tank while agitating.
- Fill the spray tank with water to the required volume, while maintaining agitation to ensure thorough mixing.
- When mixing **BROMOXYNIL 225 EC** with other registered herbicides use the following procedure: fill the spray tank approximately half the required volume of water in the spray tank and add the complementary herbicide agitating continuously. Add the **BROMOXYNIL 225 EC** just before the tank is filled to full capacity.
- Maintain agitation during spraying.
- Use the prepared mixture immediately.
- Do not allow to stand overnight.

METHOD OF APPLICATION:

Ground Application:

- For application by means of tractor-mounted sprayer, the use of a conventional spray boom fitted with flat fan nozzles is recommended. Use a low spray pressure (100 to 300 kPa) so that **BROMOXYNIL 225 EC** is applied as a coarse droplet spray.
- DO NOT APPLY AT HIGH PRESSURE.
- Ensure thorough coverage of the weeds by applying at least 300 litres of spray mixture per hectare.

Aerial Application:

Aerial application of **BROMOXYNIL 225 EC** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 to 40 litre per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 35 to 45 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectra with a VMD of 350 to 400 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the **wind** speed exceeds 15 km/h.
- Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.
- Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and/or **low humidity conditions** (relative humidity 50 % and below) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage)
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

IMPORTANT NOTES:

1. Do not apply **BROMOXYNIL 225 EC** when weeds are older than specified, as this will result in poor weed control.
2. Apply only during moist conditions, when the weeds are actively growing. Poor weed control may result if **BROMOXYNIL 225 EC** is applied when the weeds have been subjected to moisture stress or other stress.
3. Avoid application when the wind speed exceeds 8 km/h.
4. Ensure thorough coverage of weeds.
5. Since **BROMOXYNIL 225 EC** is a contact herbicide weeds which have not emerged at the time of application will not be controlled by **BROMOXYNIL 225 EC** alone.
6. Consult your **BROMOXYNIL 225 EC** representative before mixing **BROMOXYNIL 225 EC** with other chemicals.
7. When MCPA is added, application to wheat must be made between growth stages 7 and 13 according to the list of growth stages issued by the Small Grain Institute, Bethlehem. Apply to barley when the plants are in the 5 to 7-leaf stages and to oats in the 5-leaf stage.
8. In the winter rainfall area, when MCPA is added at 0,5 litre per

hectare, the mixture may be applied in small grains from the 3-leaf stage of the **crop**. Apply **BROMOXYNIL 225 EC/MCPA** mixtures between emergence and the 6-leaf stage of the **weeds**.

9. Under certain conditions **BROMOXYNIL 225 EC** may cause some leaf scorch or yellowing in lucerne or grain crops. This is a transitory effect and yield will not be affected.
10. Do not apply wetting agent when spraying lucerne.
11. When **BROMOXYNIL 225 EC** is mixed with any other product, the information on the label of that product must also be carefully read and its instructions followed.

12. WAITING PERIODS:

When **BROMOXYNIL 225 EC** is mixed with atrazine SC, the following waiting periods must be adhered to, before atrazine sensitive crops can be planted:

- 6 months when atrazine is used at 1 litre per hectare and
 - 9 months when atrazine is used at 2 litres per hectare.
- For more information consult the atrazine SC labels.

CROP	DOSAGE RATE	REMARKS
Cereals: WHEAT, OATS & BARLEY	1,5 - 2,0 l/ha	The cereal seedlings should be between the 3-leaf and the end of the stooing stage. Do not spray before the 3-leaf stage and from the beginning of the tillering stage onwards. Apply when the weeds are fully emerged but not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). Use the higher rate for aerial application.
	1,5 l plus 0,5 - 1,0 l MCPA (potassium salt)/ha	Refer to NOTE 7 and 8 for time of application. Use the higher rate of MCPA in the Eastern Free State when <i>Polygonum aviculare</i> is a problem. Use the higher rate of BROMOXYNIL 225 EC for aerial application.
UNDERSOWN LUCERNE IN GRAIN CROPS	1,5 - 2,0 l/ha	Apply when the weeds are fully emerged but not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). Do not apply to lucerne younger than the second trifoliolate leaf stage, or where clovers have been undersown. Use the higher rate for aerial application. Do not apply mixture with MCPA.
ESTABLISHED LUCERNE	2,0 - 3,0 l/ha	Apply after cutting the lucerne and after the weeds are fully emerged but not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). Use the higher rate for aerial application, or for ground application when the weed stand is very dense. Refer to NOTE 9 concerning possible yellowing of the lucerne.
MAIZE	1,5 l to 2,0 l/ha	Apply as ground or aerial spray (see above) when the weeds are fully emerged but not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). Use the higher rate for aerial application. Do not apply to maize younger than the 4-leaf stage.
	1,0 l plus 1,0 l to 2,0 l Atrazine SC/ha	Apply as ground or aerial spray when the weeds are fully emerged but not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). The atrazine dose rate should be in accordance with the degree of persistence desired. Do not apply to maize younger than the 4-leaf stage. Do not use under irrigation as the atrazine may damage atrazine-sensitive follow-up crops.
	1,5 l plus 1,0 l MCPA (Potassium salt)/ha	Apply as ground or aerial spray when weeds are fully emerged but not older than the 6-leaf stage. Can be applied at any stage of the crop from the emergence to flowering. If the crop is taller than 40 cm directed spraying is recommended so that between wetting of weeds is obtained. Do not apply under cold, wet conditions, as this may result in damage to the crop.
MAIZE Conservation tillage	1,5 l plus 4,0 - 5,0 l alachlor 384 EC/ha	Apply prior to, or within 2 days of planting the crop to control broadleaf weeds (as listed below) which are not older than the 6-leaf stage (3-leaf stage for problem weeds listed below). This treatment will also have a pre-emergence herbicidal action. Alachlor should be applied according to supplier's label recommendations

CROP	DOSAGE RATE	REMARKS
GRAIN SORGHUM	1,0 ℓ plus 1.0 – 2.0 ℓ atrazine SC/ha	Follow the instructions for application of BROMOXYNIL 225 EC plus atrazine in maize but do not apply by air.
	1,5 ℓ plus 1,0 ℓ MCPA (Potassium salt)/ha	Follow the instructions for application of BROMOXYNIL 225 EC Plus MCPA in maize, but do not apply by air.

WEEDS CONTROLLED BY BROMOXYNIL 225 EC:

NOTE: This product controls some annual broadleaf weeds. Other broadleaf weeds that were not present during the development trails with the product, may possibly also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted weeds.

<i>Acanthospermum hispidum</i>	Upright starbur	<i>Galinisoga parviflora</i>	Gallant Soldier
<i>Amaranthus hybridus</i>	Common pigweed	<i>Gisekia pharnacioides</i>	Gisekia
<i>Amaranthus spinosus</i>	Thorny pigweed	<i>Helianthus annuus</i>	Sunflower (erratic control)
<i>Amaranthus thunbergii</i>	Red pigweed	<i>Hibiscus trionum</i>	Bladder weed
<i>Amsinckia calycina</i>	Fiddle neck	<i>Ipomoea coscinosperma</i>	-
<i>Anthemis cotula</i>	Stinking mayweed	<i>Ipomoea purpurea</i>	Common morning glory
<i>Arctotheca calendula</i>	Cape marigold	<i>Lepidium bonariense</i>	Pepperweed
<i>Argemone subfusiformis</i>	White-flowered Mexican poppy	<i>Melilotus indica</i>	Annual yellow sweet clover
<i>Bidens formosa</i>	Cosmos	<i>Nicandra physalodes</i>	Apple of Peru
<i>Bidens pilosa</i>	Common Blackjack	<i>Pentzia grandiflora</i>	Stinkweed
<i>Bilderdykia convolvulus</i>	Climbing knotweed	<i>Physalis angulata</i>	Wild gooseberry
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Chenopodium album</i>	White goosefoot	<i>Ricinus communis</i>	Castor-oil plant
<i>Chenopodium ambrosioides</i>	Wormseed goosefoot	<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Chenopodium carinatum</i>	Green goosefoot	<i>Senecio burchellii</i>	Molteno disease senecio
<i>Chenopodium multifidum</i>	Stinking goosefoot	<i>Sesamum triphyllum</i>	Wild sesame
<i>Chenopodium murale</i>	Nettle-leaved goosefoot	<i>Sida cordifolia</i>	Heartleaf Sida
<i>Chenopodium schraderianum</i>	Schrader goosefoot	<i>Solanum nigrum</i>	Black nightshade
<i>Citrullus lanatus</i>	Wild watermelon	<i>Sonchus oleraceus</i>	Sowthistle
<i>Cleome gynandra</i>	Spider-wisp	<i>Tagetes minuta</i>	Khakiweed
<i>Cucumis myriocarpus</i>	Striped wild cucumber	<i>Vicia hirsute</i>	Tiny purple vetch
<i>Datura ferox</i>	Large thorn apple	<i>Vicia sativa</i>	Broad-leaved purple vetch
<i>Datura stramonium</i>	Thorn apple	<i>Xanthium spinosum</i>	Spiny cocklebur
<i>Flaveria bidentis</i>	Smelter's bush	<i>Xanthium strumarium</i>	Cocklebur

PROBLEM WEEDS: These weeds will only be controlled by **BROMOXYNIL 225 EC** if sprayed between emergence and the 3-leaf stage. Spray *Tribulus terrestris* when the plantlets are no bigger than 25 mm in diameter.

<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Cleome monophylla</i>	Spindlepod
<i>Emex australis</i>	Spiny Emex
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Raphanus raphanistrum</i>	Wild radish
<i>Sisymbrium thellungii</i>	Common wild mustard
<i>Tribulus terrestris</i>	Dubbeltjie

WEEDS CONTROLLED BY BROMOXYNIL 225 EC/ATRAZINE SC MIXTURES: In addition to the weeds controlled by **BROMOXYNIL 225 EC**, the following weeds are controlled by mixtures of **BROMOXYNIL 225 EC** and atrazine SC as recommended for use in maize and grain sorghum:

<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Portulaca oleracea</i>	Purslane

WAARSKUWINGS:

- Laat die volgende wagperiodes toe tussen bespuiting en voer of beweidings:

Gars, Hawer, Koring & Lusern:	40 dae
Mielies & Graansorghum:	14 dae

- Hanteer uiters versigtig.
- Giftig wanneer ingesluk word en deur velkontak.
- Skadelik indien ingeasem word.
- Veroorsaak matige irritasie van oë en vel.
- Giftig vir visse en wild.
- **UITERS VLAMBAAR** – moet nie naby oop vlamme stoer nie.
- Berg agter slot en grendel in 'n koel, droë plek, weg van voedsel, voer en saad.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **In geval van vergiftiging, ontbied 'n dokter en maak die etiket aan hom/haar beskikbaar.**
- **Herbtredding:** Moet nie behandelde gebiede betree vir 2 dae na die bespuiting nie, tensy beskermende oorklere gedra word.

Lugtoediening: Stel alle persone in die onmiddellike omgewing van die gebied wat behandel gaan word in kennis en reik die nodige waarskuwings uit. Moet nie aangrensende gebiede of waterbronne bespuit of toelaat dat die sproeienuel daarheen oorwaai nie.

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-, klimaat- en bergingstoestande; kwaliteit van verdunningswater, onverenigbaarheid 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 versium 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 in die geval van enige onsekerheid.

VOORSORGMATREËLS:

- Moet nie dampe of spuitmis inasem nie.
- Vermyn kontak met oë en vel.
- Dra beskermende klere, geskikte gesigskerm, rubberhandskoene en rubbestewels tydens hantering en vermenging van die produk en tydens toediening van die spuitmengsel.
- Was met seep en water na gebruik of na toevallige velkontak.
- Was besoedelde klere daaglik.
- Moet nie eet, drink, of rook gedurende vermenging of toediening of voordat hande en gesig gewas is en skoon klere aangetrek is nie.
- Vermyn oorwaai van sproeienuel na gewasse, weiding, riviere, damme en gebiede nie onder behandeling nie.

- Was spuittoerusting na gebruik. Raak ontslae van die spoelwater in 'n veilige manier sodat gewasse, weiding, riviere, damme en boorgate nie besoedel word nie.
- Lêë houters moet driekeer uitgespoel word soos volg. Keer die lêë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word.
- Vernietig die lêë houer deur gate daarin te kap en plat te slaan en doen weg daarmee op 'n veilige manier.
- Moet **nooit** die lêë houer vir enige ander doel hergebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPOTOME VAN VERGIFTIGING: Indien produk ingesluk en na lange ingeasem is, kan chemiese inflammasie van die longe veroorsaak word.

Indien ingesluk word, mag sweet, verhoging in temperatuur, vinnige asemhaling, en longskade voorkom. Hoë konsentrasies mag 'n verdowingseffek tot gevolg hê.

NOODHULPBEHANDELING: Hou die lugweë oop om asemhaling te verseker. Noodhulp behandeling moet deur gekwalifiseerde mediese personeel uitgevoer word, en moet insluit, indien nodig, mond-tot-neus asemhaling en geslote hartmassering.

Inaseming: Verwyder die bron van kontaminasie of die pasiënt na vars lug, onmiddellik. Hou die pasiënt warm en gerus. Indien nodig, dien mond-tot-neus asemhaling toe en suurstof. **Verkry mediese hulp onmiddellik.**

Velkontak: Verwyder gekontamineerde klere, skoene en leer items, onmiddellik. Was die vel sagkens en deeglik met skoon water en nie-skurende seep, totdat geen chemikalieë oorby. **Verkry mediese hulp onmiddellik.**

Oogkontak: Spoel oë met groot hoeveelhede sagvloeiende koue water, terwyl bo- en onder-ooglede gereeld opgelig word, vir ten minste 15 tot 20 minute totdat geen chemikalieë oorby. Verkry mediese hulp.

Inname: Moet nie braking veroorsaak nie, as gevolg van die aromatisiese oplosmiddel in die produk teenwoordig. **Verkry mediese hulp onmiddellik** en maak die houer, of etiket of "Data Sheet" beskikbaar.

Moet nooit iets per mond aan 'n half-bewustelose of bewustelose persoon gee nie. Indien braking voorkom, tref voorsorg dat braking nie ingeasem word nie. Hou en verseker lugweë oop. Behandel asemhalingsprobleme met kunsmatige asemhaling en suurstof.

NOTA AAN GENEESEER: Indien die produk na lange ingeasem word tydens inname of braking, kan ligte tot ernstige chemiese inflammasie van die longe veroorsaak word. Geen bekende teenmiddel is bekend. Behandel simptome en ondersteunend soos en indien nodig. Maagspoeling of die toediening van geaktiveerde koolstof met water mag oorweeg word.

WEERSTANDSWAARSKUWING: BROMOXYNIL 225 EC is 'n groepkode **C3** onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen

BROMOXYNIL 225 EC of enige ander groepkode **C3** onkruidodder het. Indien hierdie onkruidodder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruid populasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **BROMOXYNIL 225 EC** of enige ander groepkode **C3** onkruidodder beheer word nie.

Om weerstand teen onkruidodders te verjaag:

- Vermoed die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende onkruidoddergroepe kodes,
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheer programme.

Vir spesifieke inligting oor weerstandbestuur kontak die registrasiehouer van hierdie produk.

GEBUIKSAANWYSINGS: Gebruik slegs soos aangedui.

VERENIGBAARHEID:

- **BROMOXYNIL 225 EC** is verenigbaar met asiëne SC, MCPA en atachlor 384 EC. Aangesien dit nie moontlik is vir geregistreerde maatskappye om alle moontlike kombinasies te toets nie, dra die verbruiker die verantwoordelikheid om 'n mengbaarheidstoets uit te oefen, indien tenkmengsels oorweg word.
- Die waarskuwings, voorsorgmaatreëls, beperkings, aanbevelings, instruksies en gebruiksaanwysings op die etikette van die produkte wat gemeng word, moet streng nagevolg word.

MENGINGSINSTRUKSIES:

- Vul die spuitnek halfvol met skoon water.
- Meet die benodigde hoeveelheid **BROMOXYNIL 225 EC** af en voeg by in die spuitnek terwyl geroer word.
- Vul die spuitnek met water tot by die verlangde volume, terwyl roer sodat deeglike vermenging verseker word.
- Wanneer **BROMOXYNIL 225 EC** met ander geregistreerde onkruidodders gemeng word, volg die volgende prosedure: voeg ongeveer vier helfte van die totale volume water in die spuitnek en voeg dan die komplementêre onkruidodder by terwyl die spuitwater geroer word. Voeg die **BROMOXYNIL 225 EC** by net voor die spuitnek tot by kapasiteit gevul is.
- Handhaaf roering tydens toediening.
- Gebruik die voorbereide mengsel onmiddellik.
- Moet nie toelaat dat die mengsel oornat staan nie.

TOEDIENINGSMETODE:

Grondtoediening:

- Vir toediening deur middel van 'n trekkerspuit word aanbeveel dat 'n konvensionele spuitbalk met platwaaier spuitpunte gebruik word. Gebruik 'n lae spuitdruk (100 tot 300 kPa) sodat **BROMOXYNIL 225 EC** in die vorm van 'n growwe sproei aangewend word.
- MOET NIE TEEN HOË DRUK AANWEND NIE.
- Sorg dat deeglike bedekking van die onkruid verky word deur minstens 300 liter spuitmengsel per hektaar toe te dien.

Lugtoediening: BROMOXYNIL 225 EC kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit

word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitmengsel volume van 30 tot 40 liter per hektaar word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 35 tot 45 druppels per cm² moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 350 tot 400 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drying en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik nie, uitklim of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die bineste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.
- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaighgrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die **windspoed** 15 km/h oorskry.
- Stop bespuiting tydens **turbulente**, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en/of **hoë lugvog toestande** (relatiewe humiditeit 80% en meer) mag tot volgende probleme aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

BELANGRIKE NOTAS:

- **BROMOXYNIL 225 EC** moet nie toegedien word indien die onkruid ouer is as wat gespesifiseer is nie aangesien dit sal lei tot swak onkruidbeheer.
- Dien slegs toe gedurende vogtige toestande, wanneer die onkruid aktief groei. Swak onkruidbeheer mag verkry word indien **BROMOXYNIL 225 EC** toegedien word wanneer die onkruid aan vogtekort of ander stremminge onderwerpe was of onderwerpe is.

- Vermoed toediening wanneer die wind sterker as 8 km/u waai.
- Maak seker dat deeglike bedekking van die onkruid verky word.
- Aangesien **BROMOXYNIL 225 EC** 'n kontak onkruidoder is sal onkruid wat tydens bespuiting nog nie opgekom het nie, nie deur **BROMOXYNIL 225 EC** alleen beheer word nie.
- Raadpleeg eers die **BROMOXYNIL 225 EC** verteenwoordiger voordat **BROMOXYNIL 225 EC** met ander chemikalieë gemeng word.
- Wanneer MCPA bygevoeg word moet toediening op koring geskied tussen groeistadia 7 en 13 volgens die Kleingraaninstituut te Bethlehem se lys van groeistadia. Dien toe op gars as die plante in die 5- tot 7-blaarstadium is en op hawer in die 5-blaarstadium.
- In die winterreënvalgebied, wanneer MCPA teen 0,5 liter per hektaar bygevoeg word, kan toediening geskied vanaf die 3-blaarstadium van die **gewas**. Dien **BROMOXYNIL 225 EC/MCPA** mengsels tussen opkom en 6-blaarstadium van **onkruid** toe.
- Onder sekere toestande kan **BROMOXYNIL 225 EC** 'n mate van

blaarskroei of vergeling op lusern en graangewasse veroorsaak. Dit is egter tydelik van aard en opbrengs sal nie beïnvloed word nie.

- Moet nie benatter byvoeg wanneer mielies, sorghum of lusern bespuit word nie.
- Wanneer **BROMOXYNIL 225 EC** met enige ander produk gemeng word, moet die inligting op die produk se etiket noukeurig gelees word, en die gebruiksaanwysings gevolg word.

WAGPERIODES:

- Wanneer **BROMOXYNIL 225 EC** met atrasien SC vermeng word, geld die volgende wagperiodes voordat 'n opvolggewas wat sensitief is vir atrasien geplant mag word.

6 maande wanneer atrasien teen 1 liter per hektaar toegedien word en

9 maande wanneer atrasien teen 2 liter per hektaar toegedien word.

Vir meer besonderhede raadpleeg die atrasien SC etikette.

GEWAS	DOSIS	OPMERKINGS
KORING, GARS & HAWER	1,5 - 2,0 l/ha	Die graansaailing behoort tussen die 3-blaar en die end van stoelstadium te wees. Moet nie toedien voor die 3-blaar stadium en vanaf die begin van pypstadium nie. Dien toe wanneer die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Gebruik die hoër dosis vir lugbespuiting.
	1,5 - 2,0 l plus 0,5 - 1,0 l MPCA (kaliumsout)/ha	Verwys na NOTA 7 en 8 vir tyd van toediening. Gebruik die hoër dosis MCPA in die Oos Vrystaat wanneer <i>Polygonum aviculare</i> 'n probleem is. Gebruik die hoër dosis BROMOXYNIL 225 EC vir lugbespuiting.
ONDERGESAAIDE LUSERN IN GRAANGEWASSE	1,5 - 2,0 l/ha	Dien toe wanneer die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Moet nie toedien op lusern jonger as die tweede driëbladstadium of waar klawers ondergesaa is nie. Gebruik die hoër dosis vir lugbespuiting. Moet nie mengsels met MCPA gebruik nie.
GEVESTIGDE LUSERN	2,0 - 3,0 l/ha	Dien toe nadat die lusern gesny is en nadat die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Gebruik die hoër dosis vir lugtoediening of wanneer die onkruidstand baie dig is. Verwys na NOTA 9 vir maonlike vergelying van die lusernblare.
MIELIES	1,5 - 2,0 l/ha	Dien toe wanneer die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Gebruik die hoër dosis vir lugbespuiting. Moet nie toedien op mielies jonger as die 4-blaarstadium nie.
	1,0 l plus 1,0 - 2,0 l atrasien SC/ha	Dien deur middel van grond- of lugbespuiting toe wanneer die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Die atrasien dosis moet in ooreenstemming wees met die mate van nawerking wat verlang word. Moet nie toedien op mielies jonger as die 4-blaarstadium nie. Moet nie gebruik onder besproeiing nie aangesien atrasien-gevoelige opvolggewasse beskadig mag word.
	1,5 l plus 1,0 l MCPA (kaliumsout)/ha	Dien deur middel van grond- of lugbespuiting toe wanneer die onkruid volledig opgekom het, maar nie ouer as die 6-blaarstadium is nie. Kan in enige stadium van die gewas vanaf opkoms tot blom toegedien word. Indien die gewas hoër as 40 cm is, word gerigte bespuiting aanbeveel om beter benutting van die onkruid te verseker. Vermoed toediening tydens koue, nat toestande aangesien gewasbeskadiging kan plaasvind.

GEWAS	DOSIS	OPMERKINGS
MIELIES Bewarings- bewerking	1,5 ℓ plus 4,0 - 5,0 ℓ alachlor 384 EC/ha	Dien voor of binne 2 dae na plant toe om breëblaaronkruid (soos hieronder aangedui) te beheer wat nog nie ouer is as die 6-blaarstadium is nie (3-blaarstadium vir probleemonkruid hieronder aangedui). Hierdie behandeling sal ook 'n onkruidbeheer effek vooropkoms hê. Alachlor moet volgens die verskaffer se etiketvoorskrifte toegedien word.
GRAAN- SORGHUM	1,0 ℓ plus 1,0 - 2,0 ℓ atrasien SC/ha	Volg die instruksies vir toediening van BROMOXYNIL 225 EC plus atrasien in mielies, maar moet nie deur middel van lugbespuiting toedien nie.
	1,5 ℓ plus 1,0 ℓ MCPA (kaliumsout)/ha	Volg die instruksies vir toediening van BROMOXYNIL 225 EC plus atrasien in mielies, maar moet nie deur middel van lugbespuiting toedien nie.

ONKRUIDE WAT DEUR BROMOXYNIL 225 EC BEHEER WORD: NOTA: Hierdie produk beheer sekere eenjarige breëblaaronkruid. Ander breëblaaronkruid wat nie tydens die ontwikkelingsproewe met die middel voorgekom het nie, kan ook moontlik tot 'n mindere of meerdere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruid nie.

<i>Acanthospermum hispidum</i>	Regopsterklits	<i>Galinsoga parviflora</i>	Knopkruid
<i>Amaranthus hybridus</i>	Gewone misbredie	<i>Gisekia pharnacioides</i>	Gisekia
<i>Amaranthus spinosus</i>	Doringmisbredie	<i>Helianthus annuus</i>	Sonneblom (wisselvallige beheer)
<i>Amaranthus thunbergii</i>	Rooimisbredie	<i>Hibiscus trionum</i>	Terblansbossie
<i>Amsinckia calycina</i>	Violnek	<i>Ipomoea coscinosperma</i>	-
<i>Anthemis cotula</i>	Stinkkamille	<i>Ipomoea purpurea</i>	Purperwinde
<i>Arctotheca calendula</i>	Soetgousblom	<i>Lepidium bonariense</i>	Peperbossie
<i>Argemone subfusiformis</i>	Witblombloudissel	<i>Melilotus indica</i>	Eenjarige geelstinkklawer
<i>Bidens formosa</i>	Kosmos	<i>Nicandra physalodes</i>	Basterappelliefie
<i>Bidens pilosa</i>	Gewone knapsekêrel	<i>Pentzia grandiflora</i>	Stinkkruid
<i>Bilderdykia convolvulus</i>	Wildebokwiet	<i>Physalis angulata</i>	Wilde-appelliefie
<i>Capsella bursa-pastoris</i>	Herderstassie	<i>Richardia brasiliensis</i>	Tropiese-Richardia
<i>Chenopodium album</i>	Witwondebossie	<i>Ricinus communis</i>	Kasterolieboom
<i>Chenopodium ambrosioides</i>	Kruiehondebossie	<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Chenopodium carinatum</i>	Groenhondebossie	<i>Senecio burchellii</i>	Geelopslag
<i>Chenopodium multifidum</i>	Stinkhondebossie	<i>Sesamum triphyllum</i>	Wilde sesam
<i>Chenopodium murale</i>	Muurhondebossie	<i>Sida cordifolia</i>	Hartblaartaaiman
<i>Chenopodium schraderianum</i>	Vlooihondebossie	<i>Solanum nigrum</i>	Nastergal
<i>Citrullus lanatus</i>	Karkoer	<i>Sonchus oleraceus</i>	Gewone sydiessel
<i>Cleome gynandra</i>	Snotterbelletjie	<i>Tagetes minuta</i>	Kakiebos
<i>Cucumis myriocarpus</i>	Wildekomkommer	<i>Vicia hirsute</i>	Kleinperswieke
<i>Datura ferox</i>	Groot stinkblaar	<i>Vicia sativa</i>	Breëblaarperswieke
<i>Datura stramonium</i>	Stinkblaar	<i>Xanthium spinosum</i>	Boetebossie
<i>Flaveria bidentis</i>	Smeltersbossie	<i>Xanthium strumarium</i>	Kankerroos

PROBLEEMONKRUIDE: Die volgende onkruidspesies word deur **BROMOXYNIL 225 EC** beheer slegs indien hulle tussen opkoms en die 3-blaarstadium gespuit word. Spuit *Tribulus terrestris* alvorens die plantjies se deursnee 25 mm oorskry.

<i>Amaranthus deflexus</i>	Meerjarige misbredie	<i>Raphanus raphanistrum</i>	Ramenas
<i>Cleome monophylla</i>	Rusperbossie	<i>Sisymbrium thellungii</i>	Gewone wilde mosterd
<i>Emex australis</i>	Kaapse dubbeltjie	<i>Tribulus terrestris</i>	Dubbeltjie
<i>Polygonum aviculare</i>	Voëlduisendknoop		

ONKRUIDE WAT DEUR BROMOXYNIL 225 EC / ATRASIEEN SC MENGSELS BEHEER WORD: Behalwe vir die onkruid wat deur **BROMOXYNIL 225 EC** beheer word, word die volgende addisionele onkruid beheer deur mengsels van **BROMOXYNIL 225 EC** en atrasien SC soos aanbeveel vir die gebruik in mielies en graansorghum:

<i>Commelina benghalensis</i>	Bengaalse wandelende Jood	<i>Portulaca oleracea</i>	Porslein
-------------------------------	---------------------------	---------------------------	----------



BROMOXYNIL 225 EC

Reg No./Nr.: L 9951 Act/Wet 36 of/van 1947

Emulsifiable concentrate. A herbicide for the selective control of certain broadleaf weeds in wheat, barley, oats, Lucerne, maize and grain sorghum.

Emulgeerbare konsentraat. Onkruidodder vir die selektiewe beheer van sekere breëblaaronkruid in koring, gars, hawer, lusern, mielies en graansorghum.

HRAC HERBICIDE GROUP CODE	C3	HRAC ONKRUIDDODER GROEPKODE
----------------------------------	-----------	------------------------------------

ACTIVE INGREDIENT / BESTANDDEEL:

Bromoxynil (nitrile) (octanoate)225 g/l Bromoksiniil (nitrile) (oktanoaat)

Manufacture Date:
Vervaardigingsdatum

Batch No.:
Lotnommer

CONTENTS / INHOUD

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS
SIEN INGESLOTE VOUJILJET VIR VOLLE BESONDERHEDE**

REGISTRATION HOLDER / GEREGISTRASIEHOUER:

CEDAR FALL PROPERTIES 130 (Pty) Ltd

Co. Reg. No: 2006/031383/07

22 Burnside Drive, Old Mill Industrial Park, Mount Edgecombe, South Africa 4000 • Tel: 031 538 8700

UN No.: 3082



**HARMFUL
SKADELIK**

