WARRIOR 480 EC

Reg. No./Nr. L 8975, Act/Wet 36 of/van 1947

A selective residual pre-emergent, emulsifiable concentrate weedkiller for the control of a wide variety of annual grasses and certain broadleaf weeds, as indicated, in tobacco in the summer rainfall region.

'n Selektiewe vooropkom emulgeerbare konsentraat onkruiddoder met nawerking vir die beheer van 'n wye reeks eenjarige grasse en sommige breeblaaronkruide, soos aangedui,intabak, indie somerreenvalgebied.

HRAC HERBICIDE GROUP CODE	**13**	**HRAC ONKRUIDDODERGROEPKODE**

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Clomazone (isoxazolidinone)……..480 g/l………Klomasoon (isoksazolidinoon)

Manufacture date:
Vervaardiginsdatum:

Batch No.:
Lotnommer:

CONTENTS/INHOUD ℓ

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

REGISTRATION HOLDER/ REGISTRASIEHOUER

Safe Guard Crop Protection (Pty) Ltd.
Registration no. **1971/012583/07**
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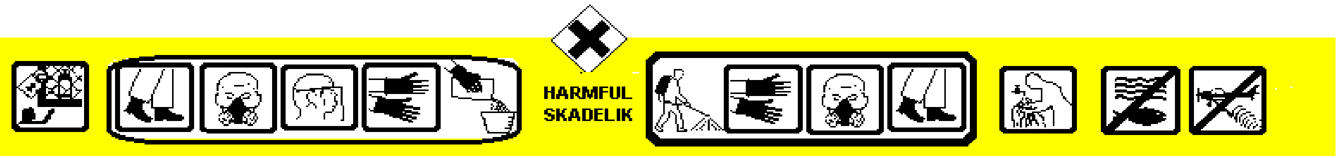
UN NO. 2903



WARNINGS

- Handle with care.
- Poisonous when swallowed, inhaled or absorbed through the skin.
- May cause skin and eyes irritation.
- Toxic to birds.
- **Flammable.** Do not store or spray near open flames.
- Store in a cool place, away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** do not enter treated area within one day of application unless wearing protective clothing.
- Do not spray over or allow drift to contaminate water or adjacent areas.
- **In case of poisoning, call a physician and show him/her this label.**

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 the weed 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 a face shield, cotton overalls, gloves, and boots when handling concentrate and applying the spray mixture.
- Do not allow the spray mist or vapours to come into contact with the skin and do not inhale these.
- Do not allow contact with eyes. If you do get it in your eyes, rinse it immediately with water.
- Wash with soap and water immediately after application or accidental skin contact.
- Wash overalls daily.
- Do not eat, drink or smoke when handling or applying before washing hands and face and change of clothing.
- Do not allow the spray drift or vapours to come into contact with other crops, grazing, rivers, dams and areas not under treatment.
- Invert the empty container over the mixing or spray tank and allow draining for at least 30 seconds after the flow has slowed to a drip. When the product is mixed with water, 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 spray tank.
- Destroy empty container by perforation and flattening and do not re-use for any other purpose.

- Do not contaminate food, feeds, drinking water and eating utensils.

SYMPTOMS OF POISONING

Symptoms of overexposure to the active ingredient include loss of motor co-ordination, lacrimation, bloody tears, oral and nasal discharge, nose bleeds, irregular breathing, hair loss, salivation and bulging eyes.

FIRST AID TREATMENT

Eyes. Rinse with water for 15 minutes. If irritation occurs and persists, obtain medical attention.
Skin. Wash with plenty of soap and water. If irritation occurs and persists, obtain medical attention.
Inhalation. Remove patient to fresh air. If discomfort or breathing difficulty occurs, see a physician.
Ingestion. Rinse mouth. Drink plenty of water. Do not induce vomiting or give anything by mouth to an unconscious person. See a physician.

NOTE TO PHYSICIAN

The product has generally low acute toxicity. Inhalation exposures should be monitored on an outpatient basis for several hours. Animal studies suggest the liver as a target organ. Treatment is symptomatic and supportive and is directed toward removal of the substances by purgatives and emesis while monitoring for adverse reactions.

RESISTANCE WARNING

WARRIOR 480 EC is a group **13** (isoxazolidinone) herbicide. Any weed population may contain individuals naturally resistance to **WARRIOR 480 EC** and other group 13 herbicides. The resistance individuals can eventually dominate the weed population if these herbicides are used repeatedly and exclusively in programmes.These resistance weeds may not be controlled by **WARRIOR 480 EC** or any other group 13 herbicides.
To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group 13. Alternate or thank mix with products from different group codes.
- Integrate other control method (chemical, cultural, biological) into weed control programmes.

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

USE RESTRICTIONS

Follow-up crops

- Cabbages, onions, cucurbits, peas and oats can be planted 6 months after the application of **WARRIOR 480 EC.**
- Maize, sweet corn, wheat and grass lays may be planted 9 months after the application of **WARRIOR 480 EC**.
- Deep cultivation of soil prior to planting of follow-up crop will reduce the potential risk of carryover.

DIRECTION FOR USE: use only as directed.

Seedbed preparation
The tobacco seedbeds must be prepared according to good agricultural practices.

Application
WARRIOR 480 EC must be applied immediately after transplanting tobacco seedlings onto a dry soil surface while plants are still in a wilted condition. Apply the recommended rate evenly as an overall or band application in sufficient water to ensure adequate coverage of the soil surface. **WARRIOR 480 EC** will only control weeds germinating from seed.

Warning
Seedlings do not necessarily undergo a period of wilting after transplanting and phytotoxic (bleaching) symptoms may be noticed. A slight yellowing of the leaves of the tobacco plants may also occur. This yellowing is of a temporary nature.

Spray drift or volatility of the product may cause phytotoxicity symptoms on adjacent crops, shrubs and trees. Spray drift is the physical movement of spray droplets and is caused by too small droplets, too high spray pressure, spraying in windy conditions and when spray booms are mounted too high. Use the correct nozzles to deliver the desired spray volume at the lowest possible spray pressure. Do not spray when the wind speed exceeds 15 km per hour. Volatilization, in turn, is enhanced by high temperature, high humidity and moist soil. DO NOT APPLY **WARRIOR 480 EC** WITHIN 300 METRES OF TREE CROPS, SHRUBS OR VEGETABLES.

Application rates
The following weeds will be controlled by **WARRIOR 480 EC** at the rates indicated below.

WARRIOR 480 EC at 1.5 l/ha

Weed species	Common name
Brachiaria eruciformis	Sweet signal grass
Dactyloctenium aegyptium	Crow foot
Digitaria sanguinalis	Crab finger-grass
Echinoch/oa colona	Marsh grass
Eleusine coracana	Goose grass
Galinsoga parviflora	Gallant soldier
Panicum maximum	Common buffalo grass
Physalis angulata	Wild gooseberry
Schkuhria pinnata	Dwarf marigold
Urochloa panicoides	Garden Urochloa

WARRIOR 480 EC at 2,0 l/ha *

Weed species	Common name
Amaranthus hybridus	Common pigweed
Amaranthus spinosus	Thorny pigweed
Commelina benghalensis	Wandering jew
Portulaca o/eracea	Purslane

* On soils with a clay percentage above 25 % a higher dosage rate may be necessary but a rate of 2,5 f/ha must not be exceeded. Contact your supplier for more information.

WARRIOR 480 EC controls annual grasses and certain broadleaf weeds. Other annual grasses and some broadleaf weeds that were not present during the development trials with the product may possibly also be controlled to a certain degree. The Registration Holder does not accept any responsibility for the control of unlisted weeds.

WAARSKUWINGS

- Hanteer versigtig.
- Giftig indien ingesluk, ingeasem of deur vel absorbeer word.
- Mag oog- en velirritasie veroorsaak.
- Giftig vir voels.
- Vlambaar. Moet nie naby oop vlamme berg of toedien nie.
- Bre in 'n koel plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Herbetredingsperiode: moet nie die behandelde gebied binne een dag na toediening betree nie tensy beskermende oorklere gedra word.
- Moet nie oor water of aangrensende gebiede wat nie onder behandeling is, spuit nie en voorkom dat die spuitnewel na hierdie gebiede oorwaai.
- In geval van vergiftiging kontak 'n geneesheer gekontak word en toon hierdie etiket aan hom/haar.

Alhoewel hierdie middel omvattend onder verskillende 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 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 die omgewing of nadelige effek op mens of dier nie of vir 'n gebrek aan prestasie 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 geval van enige onsekerheid.

VOORSORGMAATREËELS

- Dra gesigskerm, katoenoorpak, handskoene en skoene wanneer die konsentraat hanteer word en spuitmengsel toegedien word.
- Vermy velkontak en inaseming van dampe of spuitnewel.
- Vermy kontak met oë. In geval van oogkontak, spoel onmiddellik uit met groot hoeveelhede water.
- Was met seep en water onmiddellik na gebruik en per abuise velkontak.
- Wissel oorpak daagliks.
- Moet nie eet, drink of rook terwyl die spuitmengsel aangemaak of toegedien word nie voordat die hande en gesig nie eers gewas en skoon klere aangetrek is nie.
- Vermy wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en gebiede wat nie onder behandeling is nie.

Keer die lee houer oor die meng- of spuittenk en laat dreineer vir ten minste 30 sekondes nadat die vloei tot 'n gedrup verminder het. Wanneer die produk met water gemeng word moet die lee houer driekeer uitgespoel word met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk.

- Vernietig die lee houer deur gate in te slaan en plat te slaan en moet nie vir enige ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgery.

SIMPTOME VAN VERGIFTIGING

Simptome van oormatige blootstelling aan die aktiewe bestanddeel sluit in verlies in motor koordinasie, traning en bloederige trane, orale en neusafskeidings, neusbloeding, onreelmatige asemhaling, haarverlies en uitpeuloe.

EERSTEHULPBEHANDELING

Oe: Spoel uit met water vir 15 minute. Verkry mediese advies indien irritasie voorkom en voortduur.
Vel: Was met seep en water. Verkry mediese advies indien irritasie voorkom en voortduur.
Lnhalasie: Verwyder pasient na vars lug. Indien ongemak of asemhalingsnood voorkom moet 'n geneesheer geraadpleeg word.
Inname: Spoel mond uit. Drink groot hoeveelhede water. Moet nie braking induseer nie of enige iets per mond aan 'n bewustelose persoon toedien nie. Kontak 'n geneesheer.

NOTA AAN GENEESHEER

Die akute toksisiteit van die produk is oor die algemeen laag. Inhalasieblootstelling deur inaseming behoort gemonitor word vir 'n aantal ure op 'n buitepasient basis. Studies op diere dui aan dat die lewer die teikenorgaan is. Behandeling is simptomaties en ondersteunend en het ten doel om die stowwe te verwyder deur purgeermiddels en braking terwyl pasient gemonitor word vir ongewenste reaksies.

WEERSTANDSWAARSKUWING

WARRIOR 480 EC is 'n groepkode 13 (isoksazolidinoon) onkruiddoder. Enige onkruidpopulasie mag individue bevat wat natuurlik bestand is teen **WARRIOR 480 EC** en ander groepkode 13 onkruiddoders. Die weerstandbiedende individue kan uiteindelik die onkruidpopulasie oorheers indien hierdie onkruiddoders herhaaldelik gebruik word. Hierdie weerstandbiedende onkruide mag dan nie deur **WARRIOR 480 EC** enige ander groepkode 13 onkruiddoders beheer word nie. Om onkruidweerstand te vertraag:

- Vermy uitsluitlike gebruik van onkruiddoders van dieselfde groepkode. Wissel *at* of vermeng in die spuittenk met produkte van ander onkruiddodergroepkodes.

- Sluit ander beheermaatreels (chemies, biologies en verbouingspraktyke) in die onkruiddoderbeheerprogramme in.

Vir spesifieke inligting rakende weerstandsbeheer kontak die registrasiehouer van hierdie produk.

GEBRUIKSBEPERKINGS

Opvolggewasse

- Kopkool, uie, pampoengewase, ertjies en hawer kan 6 maande na toediening van **WARRIOR 480 EC** geplant word.
- Mielies, suikermielies, koring en grassooie kan 9 maande na toediening van **WARRIOR 480 EC** geplant word.
- Diep bewerking van die grand voor die plant van opvolggewasse sal die moontlike risiko van nawerking verminder.

GEBRUIKSAANWYSINGS: gebruik alleenlik soos aangedui.

Saadbedvoorbereiding

Die tabaksaadbeddings moet volgens goeie landboupraktyk voorberei word.

Toediening

WARRIOR 480 EC moet op droe grand toegedien word onmiddellik na verplanting van die tabaksaailinge terwyl die plante nog in 'n verwelkte toestand is. Dien die aanbeveelde dosis eweredig toe as 'n algehele of strooktoediening in 'n voldoende hoeveelheid water om eweredige bedekking van die grondoppervlakte te verseker. **WARRIOR 480 EC** sal net onkruide beheer wat van saad ontkiem.

Waarskuwing

Saailinge verwelk nie noodwendig na verplanting nie en fitotoksiese (verbleiking) simptome mag opgemerk word. 'n Ligte vergeling van die tabakblare mag ook voorkom. Hierdie vergeling is van 'n tydelike aard.

Wegdrywing van die spuitnewel of vlugtigheid van die produk mag fitotoksiese simptome aan aangrensende gewasse, struike en borne veroorsaak. Spuitnewelwegdrywing is die fisiese beweging van spuitdruppels wat veroorsaak word deur druppels wat te klein is, 'n te hoe spuitdruk, toediening in winderige toestande en wanneer spuitbalke te hoog gemonteer
is. Gebruik die korrekte spuitstukke om die verlangde spuitvolume teen die laags moontlike spuitdruk te lewer. Moet nie toedien nie wanneer die windspoed hoer is as 15 km per uur. Vervlugtiging, in teenstelling, word bevorder deur hoe temperature, hoe humiditeit en klam gronde. MOET NIE WARRIOR 480 EC NADER AS 300 METER VAN BOOMGEWASSE, STRUIKE OF GROENTE TOEDIEN NIE.

Toedieningshoeveelhede

Die volgende onkruide sal deur **WARRIOR 480 EC** beheer word teen die dosisse soos hieronder aangedui.

WARRIOR 480 EC teen 1.5 e/ha

Onkruidspesie	Gewone naam
Brachiaria eruciformis	Lijtiessinjaalgras
Dactyloctenium aegyptium	Hoenderspoor
Digitaria sanguinalis Echinochloa	Kruisvingergras
colona Eleusine coracana	Moerasgras
Galinsoga parviflora Physa/is	Jongosgras
angulata	Knopkruid
Panicum maximum	Wilde appelliefie Gewone
Schkuhria pinnata	buffelsgras Kleinkakiebos
Urochloa panicoides	Tuin Urochloa

WARRIOR 480 EC teen 2,0 e/ha *

Onkruidspesie	Gewone naam
Amaranthus hybridus	Gewone misbredie
Amaranthus spinosus	Doringmisbredie
Commelina benghalensis	Bengaalse wandelende Jood
Portulaca oleracea	Porslein

* Gronde met 'n kleipersentasie hoer as 25 % mag 'n hoer dosis benodig maar 'n dosis van 2,5 t/ha moet nie oorskry word nie. Kontak u verspreider vir meer inligting.

WARRIOR 480 EC beheer aanjarige grasse en sekere breeblaaronkruide. Ander eenjarige en sommige breeblaaronkruide wat nie teenwoordig was nie tydens die ontwikkelingswerk van die produk kan ook tot 'n mate beheer word. Die Registrasiehouer aanvaar egter nie verantwoordelikheid vir die beheer van ongelyste onkruide nie.

January 2012