

SUCRAZONE FLO

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

GEBRUIKSAANWYSINGS INGESLUIT
VERWYS NA BESONDERHEDE
SOOS OP HOUER / SAK GEDRUK

Lotnummer
Datum van vervaardiging

SUCRAZONE FLO

HERBICIDE



Reg. No. L9456, Act/Wet No. 36 of/van 1947

1:25/02/2014

A suspension concentrate pre – and post-emergence herbicide for the control of certain broadleaf and grass weeds as listed, as well as the suppression of yellow nutsedge (*Cyperus esculentus*) in sugarcane.

'n Suspensiekonsentraat voor- en na-opkoms onkruidodder vir die beheer van sekere breëblaar-en grasonkruidе soos gelys, asook die onderdrukking van geeluintjies, (*Cyperus esculentus*), in suikerriet.

HRAC HERBICIDE GROUP CODE	C1	HRAC ONKRUIDODDERGROEPKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDEDEEL		
Amicarbazone (triazolinone) 350 g/l Amikarbasoon (triasolinoon)		

Registration Holder / Registrasiehouer
Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.
Reg. No. 2000/010819/07
P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika

20ℓ

UN Number: 3082





CAUTION / VERSIGTIG



WARNINGS

- Harmful if swallowed.
- Handle with care.
- Avoid eye contact as this product may cause eye irritation.
- Store under a lock and key in a cool, dry place away from food, feed, seed or other agricultural remedies
- Keep out of reach of children, animals and uninformed people.
- Do not spray over, or allow any spray drift to contaminate water and adjacent areas.
- **Re-entry:** Do not enter the treated area until the spray deposit has dried unless wearing protective clothing.
- **SUCRAZONE FLO** has been tested on the most important commercial cultivars. More susceptible cultivars may be released in future which need to be tested; for this apply **SUCRAZONE FLO** to a limited test area before commercial applications are made.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity 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, 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 by 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 the spray mist.
- Wear protective clothing when mixing this product.
- Wash with soap and water directly after use or skin contact.
- In the case of eye contact, rinse immediately with clean running water for at least 15 minutes.
- Do not smoke, eat or drink whilst handling this product or before washing hands and face and changing clothes.
- Prevent contamination of food, feed, drinking water as well as eating utensils.
- Wash contaminated clothing daily.
- Do not apply where the roots of any desirable plants may absorb the product.
- Invert the empty container over the spraying or mixing tank and allow it to drain for at least thirty seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to at least 10% of the volume of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Avoid spray drift onto other crops, grazing, rivers, dams or other areas not under treatment.
- Clean all equipment thoroughly following use and dispose of the wash water where it will not pollute the environment or contaminate crops, grazing, rivers or dams. Destroy the empty container by perforation, flattening and burying at an appropriate landfill and do not use it for any other purpose.

USE RESTRICTIONS

- Do not plant any crops other than sugarcane within 12 months after **SUCRAZONE FLO** application.
- If the soil pH is above 7.4, then the use of **SUCRAZONE FLO** is not recommended.
- **SUCRAZONE FLO should NOT be used on cane fields that have been treated with LIME, GYPSUM, FILTER PRESS, CHICKEN LITTER or any other product that may raise the soil pH in the last 12 months.**

- Avoid soils with less than 0.5% organic matter, greater than 60 % sand, and a water table that is less than 2 m below the surface.
- Avoid double application in one season and overlapping spray swaths. **Note:** Extra precautions should be taken to ensure a uniform spray application, particularly on field edges where knapsack operators and tractor booms tend to slow down and over-apply.
- Do not apply any **SUCRAZONE FLO** treatment on the variety **N31**.
- **SUCRAZONE FLO** is very soluble and excessive leaching of the product through the soil profile may occur where excessively uneven soil or ridges are present. This may result in reduced weed control on ridges and may result in phytotoxicity in furrows.
- Do not apply to any crop or situation not mentioned in this label.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.

RESISTANCE WARNING

For resistance management, **SUCRAZONE FLO** is a member of the triazolinone group of herbicides. These are classified as HRAC Group Code C₁ herbicides. Any weed population may contain individuals naturally resistant to **SUCRAZONE FLO** and other Group Code C₁ herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SUCRAZONE FLO** or any other Group Code C₁ 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 programmes.

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

The presence of resistant weeds is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **SUCRAZONE FLO** not controlling resistant weeds. Do not apply **SUCRAZONE FLO** alone in situations where weed resistance has been confirmed. Sub-standard application of **SUCRAZONE FLO** will lead to inferior weed control and may assist in development of herbicide resistance. It is of the utmost importance to inspect treated areas at regular intervals in order to identify the occurrence of herbicide-resistant weeds timeously.

MODE OF ACTION

SUCRAZONE FLO is a photosynthesis inhibitor. Plant uptake occurs via the roots; leaf absorption also occurs on emerged weeds, leading to contact action. This provides burndown and also residual weed control.

DIRECTIONS FOR USE

Use only as directed.

SUCRAZONE FLO is a selective pre- and post-emergence herbicide for the control of important annual broadleaf and grass weeds and the suppression of yellow nutsedge in sugarcane. **SUCRAZONE FLO** may be used alone where the grass pressure is low and where certain, easy to control broadleaf weed species are anticipated.

COMPATIBILITY

The compatibility of **SUCRAZONE FLO** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank

mixture being made. Do not mix **SUCRAZONE FLO** with any products not listed in this label. **SUCRAZONE FLO** is compatible with **Hexazinone 75DF** (L.8907), **Acetak EC** (L. 6904), **MCPA 750 DMAX** (L. 9020) and **Paraquat 200 SL** (L. 9085)

When using other products in a spray program with SUCRAZONE FLO, always consult the labels of those particular products regarding directions and restrictions for their application and crop rotation recommendations.

MIXING AND APPLICATION INSTRUCTIONS

Half-fill the spray tank with clean water. Make a premix by carefully measuring out the required amount of **SUCRAZONE FLO** and mixing it with a few litres of clean water, and then add the premix to the water in the tank while agitating. Add the mixing partner to the tank. Fill the spray tank to the desired volume with water. **Maintain constant agitation.** Should tank mixtures with other herbicides be made, follow the respective manufacturers' label recommendations. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. Ensure uniform coverage.

Ground application:

- **SUCRAZONE FLO** can be applied using conventional ground equipment (tractor mounted sprayers and knapsack sprayers)
- A uniform and even distribution of the spray material over the target area is essential for effective **SUCRAZONE FLO** application.
- Flat fan nozzles are recommended for full cover spraying with tractor mounted rigs, and flood jet nozzles for tractor mounted drop-arms and knapsacks.
- Full cover applications should only be done before the cane has germinated.
- Ensure that the application equipment is correctly calibrated and that only clean water is used. Apply to a clod-free surface.
- All spraying equipment must be thoroughly flushed out at the end of the spraying operation.

RECOMMENDATIONS

Application rates for dryland and irrigated plant and ratoon sugarcane:

- For pre-emergence weed control, **SUCRAZONE FLO** may be used in mixtures together with either **ACETAK EC** or **HEXAZINONE 75 DF**.
- For post-emergence weed control, **SUCRAZONE FLO** may be used in mixtures together with **MCPA 750 DMAX**.

PRE-EMERGENCE SUCRAZONE FLO TREATMENTS-SUGARCANE

SUGARCANE	SOIL CLAY %	APPLICATION RATE / ha	REMARKS
Plant cane	>25%	3.0 l SUCRAZONE FLO Plus 3.0 l ACETAK EC	Do not apply on plant cane in soils with less than 25% clay content. See recommendations on regarding soil under: "Use restrictions". Soil moisture is essential for pre-emergent weed control. A uniform application must be made within 5 days of planting under conditions suitable for weed germination, cane emergence and healthy crop development. Better suppression of <i>Cyperus esculentus</i> depends on early application and follow-up moisture.
Ratoon cane	>15%	3.0 l SUCRAZONE FLO Plus 3.0 l ACETAK EC	Soil moisture is essential for pre-emergent weed control. A uniform application must be made before the weeds have germinated and the first sugarcane leaves are 10 cm high. Better suppression of <i>Cyperus esculentus</i> depends on early application and followup moisture.
Ratoon	16-35	3.0 l SUCRAZONE FLO plus 0.8 kg HEXAZINONE 75DF	Apply uniformly to a moist or dry soil surface after harvesting and before the weeds have germinated and the first sugarcane leaves are 10 cm high. For the best suppression of sedges such as
	>35	3.0 l SUCRAZONE FLO plus 1.0 kg HEXAZINONE 75DF	<i>Cyperus esculentus</i> and/or control of grasses such as <i>Panicum maximum</i> , use the highest applicable HEXAZINONE 75DF rate permitted NB: Please refer to the HEXAZINONE 75DF label for rate recommendations per time of season.

NOTE:

- **Paraquat 200 SL** (L. 9085) may be added at 1.0 l/ha to pre-emergent treatments if application is delayed and small weeds are present. Consult the **Paraquat 200 SL** label for the full particulars.
- In plant cane, pre-emergence applications should be carried out within 5 days of planting.

- In ratoon cane, **SUCRAZONE FLO** should be applied soon after harvesting before the weeds have germinated and the first cane leaves are 10 cm in height.
- Certain **SUCRAZONE FLO** combination treatments may be applied under both dry or moist soil conditions (see Treatment instructions below)

WEEDS NORMALLY CONTROLLED:

The following weeds will normally be controlled by **SUCRAZONE FLO+ ACETAK EC:**

<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Chloris virgata</i>	Feathertop Chloris
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum maximum</i>	Common buffalo grass
<i>Panicum natalensis</i>	Natal buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Setaria pallide-fusca</i>	Red bristle grass
<i>Setaria verticillata</i>	Sticky bristle grass
<i>Urochloa panicoides</i>	Herringbone grass
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Anagallis arvensis</i>	Pimpernel
<i>Chenopodium album</i> *	White goosefoot
<i>Chenopodium carinatum</i>	Nettle-leaved goosefoot
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Ipomoea purpurea</i> **	Common morning glory
<i>Portulaca oleracea</i>	Purslane
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed
<i>Plantago lanceolata</i>	Narrow-leaved ribwort
<i>Cyperus esculentus</i> *	Yellow nutsedge

*Suppression or variable control.

**Creepers species that germinate from seed are well controlled by SUCRAZONE FLO treatments.

The following weeds will normally be controlled by **SUCRAZONE FLO+ HEXAZINONE 75DF:**

<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum maximum</i>	Common buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Panicum subalbidum</i>	Elbow buffalo grass
<i>Paspalum dilatatum</i>	Common paspalum
<i>Setaria pallide-fusca</i>	Red bristle grass
<i>Setaria verticillata</i>	Sticky bristle grass
<i>Ageratum conyzoides</i>	Invading ageratum

<i>Argemone Mexicana</i>	Yellow-flowered Mexican poppy
<i>Bidens pilosa</i>	Common black jack
<i>Chenopodium murale</i>	Nettle-leaved goosefoot
<i>Conyza floribunda</i>	Tall fleabane
<i>Cosmos bipinnatus</i>	Cosmos
<i>Datura stramonium</i>	Common Thorn apple
<i>Emex australis</i>	Spiny emex
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Hibiscus trionum</i>	Bladderweed
<i>Nicandra physaloides</i>	Apple-of-Peru
<i>Ipomoea purpurea**</i>	Common morning glory
<i>Portulaca oleracea</i>	Purslane
<i>Solanum nigrum</i>	Nightshade
<i>Sigesbeckia orientalis</i>	St. Paul's Wort
<i>Tagetes minuta</i>	Khaki weed
<i>Plantago lanceolata</i>	Narrow-leaved ribwort
<i>Fimbristylis dichotoma</i>	Sedge
<i>Fimbristylis hispidula</i>	Slender sedge
<i>Cyperus distans</i>	Slender Cyperus
<i>Cyperus esculentus*</i>	Yellow nutsedge

*Suppression only

**Creep species that germinate from seed are well controlled by SUCRAZONE FLO treatments.

The **SUCRAZONE FLO** treatments control the above mentioned weed species. Other weed species that were not present in the development trials of this product may also be controlled to a certain degree. The registration holder accepts no responsibility for unlisted weeds **POST-EMERGENCE SUCRAZONE FLO TREATMENTS-SUGARCANE**

SUGARCANE	SOIL CLAY %	APPLICATION RATE / ha	REMARKS
Ratoon	>10%	3.0 l SUCRAZONE FLO plus 1.9 l MCPA 750 DMAX plus adjuvant such as Wet-All	Apply this treatment where <i>Cyperus esculentus</i> and broadleaf weed species are predominant. <i>Cyperus esculentus</i> should be beyond the 20% flowered stage at application for optimum control. This treatment is relatively safe on sugarcane, but every attempt must be made in order to avoid unnecessary crop leaf contact.

NOTES:

- Avoid direct or indirect contact with the crop foliage.

The following weeds will normally be controlled by SUCRAZONE FLO+ MCPA 750 DMAX

<i>Ageratum conyzoides</i>	Invading ageratum
<i>Amaranthus</i> spp.	Pigweeds
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i>	Cosmos
<i>Bidens pilosa</i>	Common black jack
<i>Chenopodium album</i>	White goosefoot
<i>Commelina benghalensis</i>	Benghal Wandering Jew
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Portulaca oleracea</i>	Purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Tagetes minuta</i>	Khaki weed
<i>Vicia hirsuta</i>	Tiny purple vetch
<i>Vicia sativa</i>	Vetch
<i>Datura ferox</i> *	Large Thorn Apple
<i>Datura stramonium</i>	Common Thorn apple
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Striga asiatica</i>	Witchweed
<i>Tribulus terrestris</i>	Common dubbeltjie
<i>Xanthium spinosum</i>	Spiny cocklebur
<i>Xanthium strumarium</i>	Cocklebur
<i>Cyperus esculentus</i> **	Yellow nutsedge

*In the 2 – 3 leaf stage.

**Apply treatments at the 20% flowering stage

The **SUCRAZONE FLO** tank mixture control the above mentioned weed species. Other weed species that were not present in the development trials of this product may also be controlled to a certain degree. The registration holder accepts no responsibility for unlisted weeds.

NOTES

- No adjuvants are needed for pre-emergence **SUCRAZONE FLO** treatments.
- Application of **SUCRAZONE FLO** treatments to soil that is free of extraneous matter (such as a thick trash blanket) will result in better weed control.
- **SUCRAZONE FLO** can cause **temporary** leaf chlorosis and plant stunting, especially on tillered cane grown in a low clay soil. Symptoms can be severe if the spray mixture comes into direct contact with developed sugarcane leaves.

ACKNOWLEDGEMENT OF TRADEMARKS

Acetak EC (L.6904)
Hexazinone 75 DF (L.8907)
MCPA 750 DMAX (L. 9029)
Paraquat 200SL (L .9085)

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WAARSKUWINGS

- Skadelik indien ingesluk.
- Hanteer versigtig.
- Vermoog oogkontak. Die produk kan oogirritasie veroorsaak.
- Bêre agter slot-en-grendel in 'n koel plek weg van enige voedsel, voere en saad.
- Hou buite bereik van kinders, diere en oningeligte persone.
- Moenie bo-oor wateroppervlaktes spuit of toelaat dat die wegdrywing van spuitnewel die water of aanliggende gebiede besoedel nie.
- Herbetreding: Moenie die behandelde area betree alvorens die spuitneerslag droog is nie, behalwe as beskermde oorklere gedra word.
- **SUCRAZONE FLO** is sonder enige fitotoksisiteitskade op die mees belangrikste kommersiële kultivars getoets. Meer vatbare kultivars mag in die toekoms vrygestel word wat eers getoets moet word; hiervoor moet **SUCRAZONE FLO** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die tyd, metode en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordlikheid vir skade aan gewasse, plantegroei en die omgewing, of nadelige invloed op mens of dier, of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van 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 in die geval van enige onsekerheid.

VOORSORGMAATREËLS

- Moenie die spuitnewel inasem nie.
- Dra beskermde oorklere wanneer die produk vermeng word.
- Was met seep en water direk na gebruik of velkontak.
- In die geval van oogkontak, spoel onmiddellik uit met skoon lopende water vir ten minste 15 minute.
- Moenie rook, eet of drink terwyl die produk hanteer word of voordat hande en gesig gewas is en skoon klere aangetrek is nie.
- Was besoedelde klere daaglik.
- Moet die produk toedien waar die wortels van wenslike plante die produk kan opneem nie.
- Spoel die leë houer **drie keer** uit op die volgende manier: Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeitot 'n drup verminder het. Spoel die leë 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.
- Verhoed dat die spuitnewel wegdryf na ander gewasse, weidings, riviere en damme of ander areas wat nie onder behandeling is nie.
- Maak alle toerusting deeglik skoon na gebruik en raak ontslae van die waswater waar dit nie die omgewing, gewasse, weidings, riviere of damme kan besoedel nie.
- Vernietig die leë houer deur dit vol gate te maak, plat te maak en by 'n goedgekeurde stortingsterrein te begrawe en moet dit nie vir enige ander doel gebruik nie.

GEBRUIKSBEPERKINGS

- Moenie enige ander gewas behalwe suikerriet binne 12 maande na **SUCRAZONE FLO** toediening plant nie.
- Indien die grond pH bokant 7.4 is, word die gebruik van **SUCRAZONE FLO** nie aanbeveel nie.
- **SUCROZONE FLO** moet **NIE** gebruik word in suikerrietplantasies wat behandel is met **KALK, GIPS, "FILTER PRESS", HOENDERMIS** of enige ander produk wat die grond se pH binne die afgelope 12 maande kon verhoog het nie.

- Vermyn gronde met minder as 0.5% organiese materiaal, meer as 60% sand en 'n watertafel wat minder as 2 meter bokant die grondoppervlak is.
- Vermyn dubbeltoediening en oorvleueling van spuitbane.

Nota: Ekstra voorsorgmaatreëls moet geneem word om eenvormige spuittoediening te verseker, veral op die kante van die lande waar rugsakoperateurs en trekkerspuitbalke stadiger spuit en oordosering kan voorkom.

- Moenie enige **SUCRAZONE FLO** behandeling op die variëriteit **N31** toedien nie.
- **SUCRAZONE FLO** is baie oplosbaar en oormatige logging van die produk deur die grond mag voorkom waar oormatige, ongelyke grond of rante teenwoordig is. Dit kan tot verminderde onkruidbeheer op die rante lei en mag tot fitotoksisiteit in die vore lei.
- Moenie die produk op enige gewas of in enige situasie toedien wat nie op die etiket aangedui word nie.
- Moet nie hierdie produk in kombinasie of mengsel met enige ander produk of landboumiddel gebruik wat nie spesifiek op die etiket gelys is nie. Meridian Agrochemical Company (Edms.) Bpk. aanvaar geen verantwoordelikheid vir enige negatiewe gevolge ervaar indien die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordiger vooraf geraadpleeg is.

WAARSKUWING TEEN WEERSTAND

Vir weerstandsbestuur is **SUCRAZONE FLO** 'n lid van die Triasolinoongroep van onkruidodders. Hierdie produkte is geklassifiseer as groepkode C1 onkruidodders. Enige onkruidpopulasie mag individue bevat wat natuurlike weerstand teen **SUCRAZONE FLO** en ander groepkode C1 onkruidodders het. Die weerstandbiedende individue kan uiteindelik die onkruidpopulasie oorheers indien hierdie onkruidodders herhaaldelik gebruik word. Hierdie weerstandbiedende onkruid mag dalk nie deur **SUCRAZONE FLO** of enige ander Groepkode C1 onkruidoder beheer word nie.

Om onkruidweerstand te beheer:

- Vermyn die eksklusiewe, herhaaldelike gebruik van onkruidodders van dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van, produkte van verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing of biologies) in onkruidbeheerprogramme.

Vir meer spesifieke inligting aangaande weerstandsbestuur moet die registrasiehouer van die produk gekontak word.

Die teenwoordigheid van weerstandbiedende onkruid is moeilik om vas te stel voor die gebruik van die produk en daarom kan die Registrasiehouer of die Verspreider nie verantwoordelikheid aanvaar vir enige verliese wat gely mag word vir **SUCRAZONE FLO** wat nie weerstandbiedende onkruid beheer nie. Moet nie **SUCRAZONE FLO** alleen gebruik in situasies waar onkruid weerstandbiedendheid bevestig is nie. Sub-standaard toedienings van **SUCRAZONE FLO** sal lei tot ondergeskikte onkruidbeheer en mag bydrae dan tot ontwikkeling van onkruidoderweerstand. Dit is uiters belangrik om behandelde areas op gereelde intervalle te inspekteer met die doel om die teenwoordigheid van weerstandbiedende onkruid deurlopend te identifiseer.

METODE VAN WERKING

SUCRAZONE FLO is 'n fotosintese-inhibeerder. Plantopname geskied via die wortels; blaarabsorpsie vind ook by opkomende onkruid plaas wat tot kontakaksie lei. Die produk bied uitklopaksie sowel as residuele onkruidbeheer.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

SUCRAZONE FLO is 'n selektiewe voor- en na-opkoms onkruidoder vir die beheer van belangrike eenjarige breëblaar- en grasonkruid en die onderdrukking van geeluintjies in suikerriet. **SUCRAZONE FLO** kan op sy eie gebruik word waar grasonkruiddruk laag is en waar maklik beheerbare breëblaar spesies verwag word.

VERENIGBAARHEID

Die verenigbaarheid van **SUCRAZONE FLO** met ander produkte hang van die formulering van die betrokke produkte af, sowel as van die kwaliteit van die spuitwater wat gebruik word. Deurdat formulering van tyd tot tyd verander, word dit aanbeveel om 'n fisiese mengbaarheidstoets te doen voordat die tenkmengsel aangemaak word. Moenie **SUCRAZONE FLO** met enige produkte meng wat nie op die etiket gelys is nie. **SUCRAZONE FLO** is mengbaar met **Hexazinone 75DF** (L.8907), **Acetak EC** (L.6904), **MCPA 750 DMAX** (L.9020) en **Paraquat 200SL** (L.9085)

Wanneer ander produkte in spuitprogramme met SUCRAZONE FLO gebruik word, moet die etikette van die betrokke produkte geraadpleeg word rakende die menginstruksies en beperkings vir hul gebruike en gewasroteringsaanbevelings.

MENGBAARHEID EN TOEDIENINGSINSTRUKSIES

Maak die spuittenk halfvol met skoon water. Vermeng eers 'n klein volume deur die benodigde volume **SUCRAZONE FLO** af te meet en te meng met 'n paar liter skoon water. Voeg hierdie mengsel by die tenk terwyl dit geroer word. Voeg die mengselvennoot by die tenk. Vul die spuittenk tot by die verlangde volume met water. Verseker konstante roering. Indien die tenkmengsel met ander onkruidodders gemaak word, moet die betrokke vervaardiger se etiket aanbevelings gevolg word. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die tenk oor te staan nie.** Spuittoerusting moet deeglik uitgespoel word aan die einde van die spuitproses.

TOEDIENINGSMETODES

Verseker dat die toerusting korrek gekalibreer is en tydens toediening gereeld gekontroleer word om gelyke en akkurate toediening te verseker. Verseker egalige bedekking.

Grondtoediening

- **SUCRAZONE FLO** kan toegedien word deur gebruik te maak van konvensionele grondtoerusting (trekker gemonteerde spuite en rugsakspuite).
- 'n Eweredige en gelyke verspreiding van die spuitstof oor die teikengebied is noodsaaklik vir effektiewe **SUCRAZONE FLO** toediening.
- Platwaaerspuitpunte word aanbeveel vir 'n voldekbepuiting met trekker gemonteerde toerusting en vloedstraalspuitpunte vir trekker gemonteerde valarms en rugsakspuite.
- Voldekbepuitings moet slegs toegedien word voordat die riet ontkiem het.
- Verseker dat die toerusting korrek gekalibreer is en dat slegs skoon water gebruik word. Dien op klontvrye oppervlaktes toe.
- Alle spuittoerusting moet deeglik uitgespoel word aan die einde van die spuitsessie.

AANBEVELINGS

Toedieningsdosisse vir droëland en besproeiings plant- en ratoenriet:

- Vir vooropkoms onkruidbeheer, mag **SUCRAZONE FLO** in mengsels met of **ACETAK EC** of **HEXAZINONE 75DF** gebruik word.
- Vir na-opkoms onkruidbeheer, kan **SUCRAZONE FLO** in mengsels tesame met **MCPA 750 DMAX** gebruik word.

SUIKERRIET	KLEI %	TOEDIENING/ha	OPMERKINGS
Plant	>25%	3.0 l SUCRAZONE FLO Plus 3.0 l ACETAK EC	Moenie op plantriet toedien op gronde waar die klei inhoud minder as 25% is nie. Sien die aanbevelings rakende grond onder "Gebruiksaanwysings". Grondvog is noodsaaklik vir vooropkoms onkruidbeheer. 'n Egalige toediening moet binne 5 dae van plant gemaak word onder toestande wat gunstig is vir onkruidontkieming, rietopkoms en gesonde gewasontwikkeling. Beter onderdrukking van <i>Cyperus esculentus</i> hang van vroeë toediening en opvolg vog in die grond af.
Ratoen	>15%	3.0 l SUCRAZONE FLO Plus 3.0 l ACETAK EC	Grondvog is noodsaaklik vir vooropkoms onkruidbeheer. 'n Egalige toediening moet gemaak word voordat die onkruid ontkiem het en die eerste suikerriet blare 10cm hoog is. Beter onderdrukking van <i>Cyperus esculentus</i> hang van die vroeë toediening en opvolg grondvog af.

Ratoen	16 – 35	3.0 l SUCRAZONE FLO Plus 0.8 kg HEXAZINONE 75DF	Dien eweredig toe op 'n klam of droë grondoppervlakte na oes en voordat die onkruid ontkiem het en die suikerriet se blare 10cm hoog is. Vir die beste onderdrukking van <i>Cyperus esculentus</i> en/of beheer van grasse soos <i>Panicum Maximum</i> , gebruik die hoogste aanbevole HEXAZINONE 75DF dosis toelaatbaar.
	>35	3.0 l SUCRAZONE FLO Plus 1.0 kg HEXAZINONE 75DF	BELANGRIK: Verwys asseblief na die HEXAZINONE 75DF etiket vir aanbevelings op toedieningsdosisse vir die spesifieke tyd van die seisoen.

NOTAS

- **Paraquat 200SL** (L.9085) mag bygevoeg word teen 1.0 l/ha op vooropkoms behandelings indien toediening vertraag word en kleiner onkruid teenwoordig is. Raadpleeg die **Paraquat 200SL** etiket vir volle besonderhede.
- By plantriet, moet vooropkoms toedienings binne 5 dae na plant uitgevoer word.
- By ratoenriet, moet **SUCRAZONE FLO** toegedien word dadelik na oes voordat die onkruid ontkiem en die eerste rietblare 10 cm in hoogte is.
- Sekere **SUCRAZONE FLO** kombinasie behandelings mag toegedien word onder beide droë- of klamgrond-toestande (Sien instruksies vir behandeling hieronder).

ONKRUIDE WAT NORMAALWEG BEHEER WORD:

Die volgende onkruid sal normaalweg deur SUCRAZONE FLO + ACETAK EC beheer word:

<i>Brachiaria eruciformis</i>	Litjies-sinjalgras
<i>Chloris virgata</i>	Witpluim Chloris
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum maximum</i>	Algemene Buffelsgras
<i>Panicum natalensis</i>	Natalse Buffelgras
<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Setaria pallide-fusca</i>	Rooiborselgras
<i>Setaria verticillata</i>	Klitsborselgras
<i>Urochloa panicoides</i>	Beesgras
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Roimisbredie
<i>Anagallis arvensis</i>	Pimpernel
<i>Chenopodium album</i> *	Withondebossie
<i>Chenopodium carinatum</i>	Groenhondebossie
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Galinsoga parviflora</i>	Knopkruid
<i>Ipomoea purpurea</i> **	Purperwinde
<i>Portulaca oleracea</i>	Porslein
<i>Schkuhria pinnata</i>	Klein Kakiebos
<i>Tagetes minuta</i>	Langkakiebos
<i>Plantago lanceolata</i>	Tongblaar
<i>Cyperus esculentus</i> *	Geeluintjies

*Onderdrukking of wisselvallige beheer

** Kruierspesies wat ontkiem van saad word goed deur SUCRAZONE FLO behandelings beheer.

Die volgende onkruid sal normaalweg deur SUCRAZONE FLO + HEXAZINONE 75DF beheer word:

<i>Brachiaria eruciformis</i>	Litjies-sinjalgras
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum maximum</i>	Algemene Buffelsgras

<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Panicum subalbidum</i>	Elmboog Buffelsgras
<i>Paspalum dilatatum</i>	Gewone Paspalum
<i>Setaria pallide-fusca</i>	Rooiborselgras
<i>Setaria verticillata</i>	Klitsborselgras
<i>Ageratum conyzoides</i>	Indringer Ageratum
<i>Argemone Mexicana</i>	Geelblombloudissel
<i>Bidens pilosa</i>	Gewone Knapsekêrel
<i>Chenopodium murale</i>	Muurhondebossie
<i>Conyza floribunda</i>	Vaalskraalhans
<i>Cosmos bipinnatus</i>	Kosmos
<i>Datura stramonium</i>	Stinkblaar

<i>Emex australis</i>	Kaapse dubbeltjie
<i>Galinsoga parviflora</i>	Knopkruid
<i>Hibiscus trionum</i>	Terblansbossie
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Ipomoea purpurea</i> **	Purperwinde
<i>Portulaca oleracea</i>	Porslein
<i>Solanum nigrum</i>	Nastergal, Galbessie
<i>Sigesbeckia orientalis</i>	St. Paul's Wort
<i>Tagetes minuta</i>	Langkakiebos
<i>Plantago lanceolata</i>	Tongblaar
<i>Fimbristylis dichotoma</i>	Biesie
<i>Fimbristylis hispidula</i>	Fynbiesie
<i>Cyperus distans</i>	Fyn Cyperus
<i>Cyperus esculentus</i> *	Geeluintjies

* Slegs onderdrukking.

** Kruierspesies wat ontkiem van saad word goed deur **SUCRAZONE FLO** behandelings beheer.

SUCRAZONE FLO behandelings beheer die bogenoemde onkruidspesies. Ander onkruidspesies wat nie teenwoordig of beskikbaar was in die ontwikkelingsproewe van die produk nie mag ook tot 'n sekere mate beheer word. Die registrasiehouer van die produk aanvaar geen verantwoordelikheid vir ongelyste onkruid nie.

NA-OPKOMS SUCRAZONE FLO BEHANDELINGS VIR SUIKERRIET

SUIKERRIET	GROND KLEI%	TOEDIENINGSKOERS / ha	OPMERKINGS
Opslagriet	>10%	3.0 l SUCRAZONE FLO Plus 1.9 l MCPA 750 DMAX Plus Byvoegmiddel soos Wet-All	Dien toe waar <i>Cyperus esculentus</i> en ander breë-blaaronkruidspesies oorheersend is. <i>Cyperus esculentus</i> moet verby die 20% blomstadium wees by toediening vir optimale beheer. Hierdie behandeling is relatief veilig op suikerriet, maar alle pogings moet aangewend word om onnodige kontak met die gewasblaar te vermy.

NOTAS:

- Verhoed direkte of indirekte kontak met die gewas se blare.

Die volgende onkruid sal normaalweg deur **SUCRAZONE FLO + MCPA 750 DMAX** beheer word:

<i>Ageratum conyzoides</i>	Indringer Ageratum
<i>Amaranthus</i> spp.	Misbredie
<i>Bidens bipinnata</i>	Spaanse Knapsekêrel
<i>Bidens formosa</i>	Kosmos
<i>Bidens pilosa</i>	Gewone Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Galinsoga parviflora</i>	Knopkruid

<i>Portulaca oleracea</i>	Porslein
<i>Raphanus raphanistrum</i>	Wilde radys
<i>Tagetes minuta</i>	Kakiebos
<i>Vicia hirsuta</i>	Klein Perswieke
<i>Vicia sativa</i>	Wieke
<i>Datura ferox*</i>	Groot Stinkblaar
<i>Datura stramonium</i>	Gewone Stinkblaar
<i>Polygonum aviculare</i>	Voëlduisendknoop
<i>Striga asiatica</i>	Rooibloem
<i>Tribulus terrestris</i>	Algemene dubbeltjie
<i>Xanthium spinosum</i>	Boetebossie
<i>Xanthium strumarium</i>	Kankerros
<i>Cyperus esculentus**</i>	Geeluintjie

*In die 2 – 3 blaarstadium.

**Dien behandelings toe by die 20% blomstadium.

Die **SUCRAZONE FLO** tenkmengsel beheer die bogenoemde onkruidspesies. Ander onkruidspesies wat nie teenwoordig was in die ontwikkelingsproewe van die produk nie mag ook tot 'n mate beheer word. Die registrasiehouer aanvaar geen verantwoordelikheid vir ongelyste onkruid nie.

NOTAS:

- Geen byvoegmiddels is nodig vir vooropkoms **SUCRAZONE FLO** behandelings nie.
- Toediening van **SUCRAZONE FLO** behandelings op grond wat vry is van vreemde materiale (byvoorbeeld wat bedek is met plantreste) sal tot beter onkruidbeheer lei.
- **SUCRAZONE FLO** kan **tydelike** blaarvergeling en verdwering van die plant veroorsaak, veral op suikerrietstoele in gronde met lae klei-inhoud. Die simptome kan ernstig wees indien die spuitmengsel direk in kontak kom met die ontwikkelende suikerrietblare.

ERKENNING VAN HANDELSMERKE

Acetac EC (L.6904)
Hexazinone 75 DF (L.8907)
MCPA 750 DMAX (L. 9029)
Paraquat 200SI (L .9085)

Meridian Agrochemical Company (Edms.) Bpk.
Meridian Agrochemical Company (Edms.) Bpk.
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Meridian Agrochemical Company (Edms.) Bpk.

