

METRIBUZIN 75 WG

GEbruiksAanwysings Ingesluit
VERWYS NA BESONDERHEDE
SOOS OP HOUER / SAK GEDRUK

DIRECTIONS FOR USE ENCLOSED
REFER TO DETAILS AS PRINTED
ON CONTAINER / BAG

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

METRIBUZIN 75 WG
HERBICIDE

Reg. No. L9011, Act/Wet No. 36 of/van 1947
Namibian Reg. No. N-AR 2101

2: 07/08/2017

**A water dispersable granule herbicide
for the selective control of grasses and
broadleaf weeds on crops as listed.**

**'n Waterdispergeerbare korrelonkruidod-
er vir die selektiewe beheer van grasse en
eenjarige breëblaaronkruide op gewasse
soos aangedui.**

HRAC HERBICIDE GROUP CODE	C1	HRAC ONKRUIDDODERGROEPCODE
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Metribuzin (triazine)	750 g/kg	Metribusien (triasien)

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

3 kg



UN Number: 3077



CAUTION / VERSIGTIG



WARNINGS

- Allow 25 days on Lucerne between last application and harvest or grazing.
- Irritating to eyes.
- Harmful if swallowed.
- Toxic to aquatic organisms.
- Store in a cool place away from food and feed, animals, children, and uninformed persons.
- Avoid excessive overlapping of spray swaths and double spraying.
- **Re-entry** – Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- In case of any uncertainty, contact your distributor.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over, or allow drift to contaminate, adjacent areas, water, or any other area not under treatment.

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 spray mist.
- Wash with soap and water after use or accidental skin contact.
- Wear goggles when use or handling conditions favour eye exposure, or if eye discomfort is encountered. In case of contact with eyes, flush with plenty of water and get medical attention.
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst applying or mixing.
- Dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Prevent contamination of food, feed stuffs, drinking water and eating utensils.
- Do not apply near desirable plants or trees (such as windbreaks, ornamental trees and shrubs along roads) or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use in areas where susceptible crops are to be grown in the foreseeable future.
- Over-application or any use not in accordance with the directions on this label may cause stunting of the crop and other adverse effects.
- Do not mix, apply, or clean equipment within 20 m of a water source nor where drift or run-off could contaminate a water source.

RESISTANCE WARNING

For resistance management, **METRIBUZIN 75WG** is a group code C1 herbicide. Any weed population may contain individuals naturally resistant to **METRIBUZIN 75WG** 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 **METRIBUZIN 75WG** 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 **METRIBUZIN 75WG** not controlling resistant weeds. Do not apply **METRIBUZIN 75WG** alone in situations where weed

resistance has been confirmed. Sub-standard application of **METRIBUZIN 75WG** will lead to inferior weed control and may assist in development of herbicide resistance.

DIRECTIONS FOR USE

Use only as directed

- Do not plant any crops other than sugarcane or potatoes within a 6-month period of a **METRIBUZIN 75WG** application. Crops that may be planted 6 months after a **METRIBUZIN 75WG** application are asparagus, beetroot, turnips, carrots, tomatoes, maize and soybeans. It is advisable to wait 12 months before brassicae, lettuce, cucurbits, onions, peas, beans, wheat, tobacco and strawberries are planted.
- Before replanting of any crops, ensure that the soil has a deep and thorough ploughing (20 cm or more) with a mould board or disc plough as required.
- Do not use **METRIBUZIN 75WG** on weak or diseased seeds or seedlings.
- Avoid excessive overlapping of spray swaths and double spraying.
- Over-application, applying at the incorrect growth stage, or any other use not in accordance with the directions on this label may cause stunting of crops and other detrimental effects.
- Heavy downpour/rain and plant debris covering soil will lead to a decrease in efficacy.
- Do not apply to poorly drained soils, or soils with a compaction layer, as these conditions might cause waterlogging, which can then lead to crop damage.
- Do not apply to potatoes that will be under cold stress.
- Do not apply **METRIBUZIN 75 WG** in winter grown potatoes, or in areas where untimely frost might occur. Cold weather following application of **METRIBUZIN 75 WG** may cause crop injury and stunting of potato plants. The susceptibility to phytotoxicity differs between the various potato varieties. The varieties Astrid, BP 1, Earliest of All, Koos Smit and Late Harvest tend to be more prone to damage than other varieties.
- Do not apply **METRIBUZIN 75 WG** to potato plants during the April to September months.
- Potato plants from seed of 60 g or smaller are more prone to damage.
- Ridging (or any other form of soil disturbance) too early following application of **METRIBUZIN 75 WG** may stimulate the germination of weeds, as well as lead to phytotoxicity as the **METRIBUZIN 75 WG** may become more concentrated over the plant row.
- It is recommended that a period of 6 weeks is allowed between application and ridging of potatoes, or that application of **METRIBUZIN 75 WG** occurs after ridging and before emergence. **DO NOT** apply **METRIBUZIN 75 WG** in potatoes in the "Sandveld" region of the Western Cape (e.g. Aurora, Clanwilliam, Darling, Eendebuul, Elandsbaai, Het Kruis, Hopefield, Lambertsbaai, Leipoldville, Paleisheuwel, Piketberg, Redelinghuys, Velddrif, Vredenburg, Vredendal etc.)
- Lucerne: Apply **METRIBUZIN 75 WG** only to established lucerne which has completed at least one full growing season. Apply after cutting or grazing prior to the start of active growth of the lucerne. Apply just prior to the emergence of the weeds. Chlorosis of the lucerne plants may occur but should disappear after a short while without influencing the yield. Do not apply **METRIBUZIN 75 WG** to lucerne grown in soil with excessively high pH values (pH >7.0), soil with mineral deficiencies or where water logging occurs as this may aggravate the chlorosis. Use only on the following cultivars: CUF 101, SA Standard and Granada.
- Do not apply **METRIBUZIN 75 WG** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **METRIBUZIN 75 WG** using an accurate and safe application technique.
- If **METRIBUZIN 75 WG** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- 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.

MIXING INSTRUCTIONS

Half fill the spray tank with clean water and add the required amount of **METRIBUZIN 75 WG** while agitating and finally, fill the spray tank with water to the required level. Spray mixtures must not be left in the spray tank e.g. overnight.

COMPATIBILITY

- **METRIBUZIN 75 WG** is compatible with **DIURON 80WG** and **SCORCHER**, provided that the mixing instructions are strictly adhered to.
- Prior to mixing in a tank, a compatibility test should be carried out to determine if the quality of the water does not affect compatibility.
- When **METRIBUZIN 75 WG** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

APPLICATION METHODS

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

GROUND APPLICATION

Spray the weeds or soil surface by means of a tractor-mounted boom sprayer or knapsack sprayer with flat fan nozzles. Use an application volume of 200-300 litres spray mixture/ha. Agitate the spray mixture continuously to ensure adequate mixing. Best results are obtained when **METRIBUZIN 75 WG** or mixtures are applied to moist soil and when the climate is warm and favourable for active weed growth. Thoroughly clean all traces of herbicide from application equipment immediately after use. Flush tank, pumps, hoses and boom with clean water after removing nozzle tips and screens. (Clean these parts separately.)

AERIAL APPLICATION

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Remedies). It is important to 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:

Equipment

Use suitable atomising equipment that will produce the desired droplet size and coverage of the target area and will ensure the minimum loss of product through drift.

The operator must use a nozzle set-up that will produce a droplet spectrum with the lowest possible relative span.

All nozzles and atomisers should be positioned within the inner 60-75% of the wingspan to prevent droplets from entering the wingtip vortices.

Application Parameters

- A minimum volume of 30 - 40 l spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended.
- A droplet coverage of 30 – 40 droplets per square cm must be recovered at the target.
- A droplet spectrum with a VMD of 350 – 450 microns is recommended. Ensure that the production of fine droplets, with a VMD less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at between 3 and 4m above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn, during a dive or when banking.

Meteorological Conditions

- The difference between the wet and dry bulb readings, as determined using a whirling hygrometer, must not exceed 8 °C.
- Do not spray under turbulent, unstable conditions or during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions as this may cause:
 - i. Reduced efficacy due to suspension and evaporation of small droplets in the air (Which leads to inadequate coverage).
 - ii. Damage to other sensitive crops and/or non-target areas through drifting of the spray cloud away from the targeted area.

- Do not spray when the wind speed exceeds 15 km per hour.

General

- Ensure that fields are accurately marked and 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 the relevant data will be compiled in a logbook and kept for future reference.

RECOMMENDATIONS

CROP	RATE / ha	REMARKS
Sugarcane Pre-emergence: 6 – 20 % clay (light sandy to sandy loam)	2.34 – 2.8 kg OR 1.31 - 2.0 kg + 2.0 kg DIURON 80 WG	Apply evenly to moist soil after planting or harvesting. Application for <i>Panicum maximum</i> should be made pre-emergence. Not recommended for weak soils with less than 6 % clay. Higher rates will have a suppressing effect on <i>Cyperus esculentus</i> .
21 – 35 % clay (loam to sandy clay loam)	2.8 kg OR 1.59 - 2.0 kg + 2.0 kg DIURON 80 WG	
Early post-emergence: 6 – 20 % clay (light sandy to sandy loam)	2.34 - 2.8 kg OR 1.31 - 2.0 kg + 2.0 kg DIURON 80 WG OR 1.31 - 2.0 kg + 3.0 - 4.0 L AMETRYN 500 SC	Apply before the grass weeds are in 2 to 3 leaf stage and broadleaf weeds are in 4 to 6 leaf stage. Apply the higher rates to control <i>Cyperus esculentus</i> . Addition of SCORCHER as recommended in plant cane to METRIBUZIN 75 WG + DIURON 80 WG or to METRIBUZIN 75 WG + AMETRYN 500SC will enhance the efficacy, particularly where <i>Panicum maximum</i> is a problem or has developed beyond the 3-leaf stage but is still in a stage prior to tillering.
21 – 35 % clay (loam to sandy clay loam)	2.8 kg OR 1.59 - 2.0 kg + 2.0 kg DIURON 80 WG OR 1.59 - 2.0 kg + 3.0 - 4.0 L AMETRYN 500 SC	
Potatoes 0 – 10 % clay 11 – 20 % clay 21 – 35 % clay	700 g 940 g 1.12 - 1.4 kg	Pre-emergence. Apply evenly to the soil after planting until just before crop emergence. Apply the higher application rate where the soil clay percentage is higher.
Lucerne & Leguminous pastures 0 – 10 % clay 11 – 20 % clay 21 – 35 % clay	700 g 940 g 1.12 - 1.4 kg	Weeds: Pre-emergence. Apply as full cover spray to established dormant lucerne.

Remarks:

- 1) If *Panicum maximum* has emerged by the time of application, it is recommended that **DIURON 80 WG** or Ametryn 500 SC be added at the indicated rates.
- 2) Ametryn 500 SC is the preferred tank mix partner for use under the cooler and drier conditions of Spring. **DIURON 80 WG** is the preferred tank mix partner for use under warm, wet, active growing conditions.
- 3) Always use lower application rates for light, less absorptive soils having a low cation exchange capacity.
- 4) For extremely heavy soils (high cation exchange capacity) confirm actual rate with a Technical Advisor.
- 5) Depending on the rate of application, soil type and rainfall, **METRIBUZIN 75 WG** normally still controls weeds for an extended period. Best results are obtained when applied pre- emergence of grass weeds and when broadleaf weeds are young (3 to 5 cm).

WEEDS NORMALLY CONTROLLED:**Grasses:**

<i>Chloris virgate</i>	Feather-top chloris
<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Echinochloa crusgali</i>	Barnyard grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum coloratum</i>	Small buffalo grass
<i>Panicum maximum*</i>	Common buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Urochloa panicoides</i>	Herringbone grass
<i>Cyperus esculentus*</i>	Yellow nutsedge

Note:

* Requires 3 kg **METRIBUZIN 75 WG** per hectare for adequate control.

Broadleaf weeds:

<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Bidens Pilosa</i>	Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Datura stramonium</i>	Thorn apple
<i>Emex australis</i>	Spiny emex
<i>Hibiscus trionum</i>	Bladderweed
<i>Portulaca oleraceae</i>	Common purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Tagetes minuta</i>	Khaki weed

Weeds not normally controlled:

Cyperus rotundus
Solanum nigrum

ACKNOWLEDGEMENT OF TRADEMARKS

Diuron 80WG (L 9653)
 Scorcher (L 9085)

Meridian Agrochemical Company (Pty) Ltd.
 Meridian Agrochemical Company (Pty) Ltd.

WAARSKUWINGS

- Laat 25 dae toe op lusern tussen die laaste toediening en oes of beweiding.
- Irriterend vir die oë.
- Skadelik indien ingesluk.
- Giftig vir waterorganismes.
- Stoor in 'n koel plek weg van voedsel en voer, diere, kinders en oningeligte persone.
- Vermoë oorvleueling van spuitbane en dubbel bespuiting.
- **Herbetreding** - Moet nie behandelde gebied betree alvorens die spuitneerslagdroog is nie, tensy beskermende oorklere gedra word.
- In die geval van enige onsekerheid, kontak u verspreider.
- **Lugtoediening:** Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis, en reik die nodige waarskuwings uit. Moet nie oor wateroppervlakte spuit of die spuitnewel toelaat om water, aangrensende gebiede of enige ander gebied wat nie onder behandeling is te besoedel 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. Die werking en effek daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van 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 metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur die gebruiker om die 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

- Moenie spuitnewel inasem nie.
- Was met seep en water na gebruik of toevallige velkontak.
- Dra 'n veiligheidsbril wanneer gebruik of hantering kondisies oog blootstelling gunstig of indien oog ongemak ervaar word. In die geval van kontak met oë, spoel met baie water en kry mediese hulp.
- Was besoedelde klere daaglik.
- Moet nie eet, drink of rook tydens vermenging of toediening nie.
- Raak ontslae van waswater waar dit nie gewasse, weiding, riviëre en damme sal besoedel nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Moet nie naby gewenste plante of bome (soos windskerms, ornamentele bome en struik langs paaie) of op die gebiede waar hulle wortels mag strek, of in plekke waar die chemikalieë gewas of verskuif kan word tot in kontak met hul wortels, spuit nie.
- Moet nie in gebiede waar gevoelige gewasse gekweek gaan word in die afsienbare toekoms gebruik nie.
- Oor-toediening of enige gebruik nie in ooreenstemming met die aanwysings op hierdie etiket nie, kan verdwering van die gewas en ander nadelige gevolge veroorsaak.
- Moet nie meng, toedien of toerusting skoonmaak binne 20 m van 'n waterbron of waar spuitnewel of afloop 'n waterbron kan besoedel nie.

WEERSTANDSWAARSKUWING

Vir weerstandbestuur, is **METRIBUZIN 75WG** 'n groepkode C1 onkruidodder. Enige onkruidpopulasie mag individue insluit wat 'n natuurlike weerstand teen **METRIBUZIN 75WG** en ander groepkode C1 onkruidodders het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **METRIBUZIN 75WG** of enige ander groepkode C1 onkruidodder beheer word nie.

Om weerstand teen onkruidodders te vertraag:

Vermoë die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenklangsels van, produkte in verskillende onkruidodder groepkodes.

- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidprogramme.

Vir spesifieke inligting oor weerstandsbetrouing kontak die registrasiehouer van hierdie produk. Die teenwoordigheid van sulke weerstandsbetrouende onkruid is moeilik om te bepaal voordat die onkruidprogram toegedien word. Die registrasiehouer en verspreider kan dus nie verantwoordelikheid aanvaar vir enige verliese wat mag voortspruit uit swak onkruidbeheer van weerstandsbetrouende onkruidtipes nie. Waar weerstand bekend is, moet **METRIBUZIN 75 WG** nie alleen toegedien word nie.

Sub-standaard toediening van **METRIBUZIN 75 WG** sal lei tot onbevredigende onkruidbeheer wat kan bydra tot die ontwikkeling van onkruidprogramweerstand.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

- Moenie enige ander gewasse, behalwe suikerriet of aartappels, plant binne 'n tydperk van 6 maande na die gebruik van **METRIBUZIN 75WG**. Gewasse wat 6 maande na **METRIBUZIN 75WG** toediening geplant mag word, is aspersies, beet, rape, wortels, tamaties, mielies en sojabone. Dit is raadsaam om 12 maande te wag voor koolgewasse, blaarslaai, pampoengewasse, uie, ertjies, bone, koring, tabak en aarbeie geplant word.
- Voor die herbeplanting van enige gewasse, moet daar diep en deeglik geploeg word (20 cm of meer) met 'n skaar of disk ploeg, soos benodig.
- Moenie **METRIBUZIN 75WG** gebruik op swak of siek saad of saailinge nie.
- Verminder oormatige oorspruiting van spuitbane en dubbel bespuiting.
- Oormatige toediening, toediening op die verkeerde groeistadium, of enige ander gebruik wat nie in ooreenstemming met die aanbevelings op hierdie etiket is nie, mag verdwering van die gewas en ander nadelige effekte veroorsaak.
- Swaar neerslag/reën en plantreste wat die grond bedek sal lei tot 'n afname in doeltreffendheid.
- Moet nie op swak gedreineerde gronde of gronde met 'n verdigte laag toedien nie, aangesien hierdie versuip toestande kan veroorsaak, wat tot gewasskade kan lei.
- Moet nie op aartappels wat onder kouestres sal wees, toedien nie.
- Moet nie **METRIBUZIN 75WG** in winter gegroeide aartappels, of in gebiede waar ontydige ryp mag voorkom, toedien nie. Koue weer na toediening van **METRIBUZIN 75WG** mag gewasskade en verdwering van die aartappelplante veroorsaak. Die vatbaarheid vir fitotoksiteit verskil tussen die verskillende aartappelrasse. Die variëteite Astrid, BP 1, Earliest of All, Koos Smit en Late Harvest is geneig om meer vatbaar vir skade te wees as ander rasse.
- Moet nie **METRIBUZIN 75WG** op aartappelplante gedurende die April tot September maande toedien nie.
- Aartappelplante vanaf saad van 60 g of kleiner is meer geneig tot skade.
- Operd (of enige ander vorm van grondversteuring) te vroeg na toediening van **METRIBUZIN 75WG** kan die ontkieming van onkruid stimuleer, sowel as fitotoksiteit veroorsaak aangesien die **METRIBUZIN 75WG** meer gekonsentreerd mag word oor die plantry.
- Dit word aanbeveel dat 'n tydperk van 6 weke tussen toediening en operd van aartappels toegelaat word, of dat die toediening van **METRIBUZIN 75WG** na operd en voor-opkoms plaasvind. MOET NIE **METRIBUZIN 75WG** in aartappels in die "Sandveld" streek van die Wes-Kaap (b.v. Aurora, Clanwilliam, Darling, Eendebuul, Elandsbaai, Het Kruis, Hopefield, Lambertsbaai, Leipoldville, Paleisheuvel, Piketberg, Redelinghuys, Veldrif, Vredenburg, Vredendal ens.) toedien nie.
- Lusern: Dien **METRIBUZIN 75WG** slegs toe op gevestigde lusern wat ten minste een volle seisoen voltooi het. Dien toe na lusern gesny of beweë is, voor die aanvang van aktiewe groei. Dien toe net voor die opkoms van die onkruid. Chlorose van die lusernplante mag voorkom, maar behoort te verdwyn na 'n kort rukkie sonder invloed op die opbrengs. Moet nie **METRIBUZIN 75 WG** op lusern toedien wat groei in grond met uitermate hoë pH waardes (pH > 7,0) nie, grond met mineraalte kortte of waar versuip toestande voorkom nie, want dit kan die chlorose vererger. Gebruik slegs op die volgende kultivars: CUF 101, SA Standard en Granada.
- Moet nie **METRIBUZIN 75 WG** op enige gewas of situasie wat nie op hierdie etiket verskyn toedien nie.
- Dien **METRIBUZIN 75 WG** toe slegs met 'n akkurate en veilige toedieningsmetode.
- Indien **METRIBUZIN 75 WG** in 'n tenkmengsel met ander aanbevole produkte gebruik word, moet oorweging geskenk word aan die beperkings van die betrokke produkte.

- Moet nie die produk toedien in kombinasie, of as 'n tenkmengsel, met enige ander produk of landboumiddel wat nie spesifiek op die etiket aangedui is nie. Meridian Agrochemical Company (Pty) Ltd aanvaar geen verantwoordelikheid vir enige negatiewe effekte wat ervaar word indien die instruksies op die etiket nie nagekom word nie, behalwe as 'n Meridian verteenwoordiger vooraf gekonsulteer is.

MENGINSTRUKSIES

Maak die spuittenk halfvol met skoon water en voeg die benodigde hoeveelheid van **METRIBUZIN 75 WG** by terwyl geroer word. Vul die spuittenk met water tot by die verlangde vlak. Spuitmengsels moet nie in die spuittenk gelaat word nie, bv. oornag.

VERENIGBAARHEID

- **METRIBUZIN 75WG** is verenigbaar met **DIURON 80WG** en **SCORCHER**, mits daar streng by die menginstruksies gehou word.
- Voor vermenging in 'n tenk plaasvind, moet 'n verenigbaarheidstoets uitgevoer word om vas te stel of die kwaliteit van die water nie die verenigbaarheid beïnvloed nie.
- Wanneer **METRIBUZIN 75 WG** in kombinasie met enige ander landboumiddel gebruik word, voldoen aan alle **WAARSKUWINGS**, **VOORSORGMAATREËLS** en **GEBRUIKSAANWYSINGS** soos aangedui op daardie betrokke etiket.

TOEDIENINGSMETODES

Maak seker dat die spuittoerusting korrek gekalibreer is en gereeld gedurende toediening nagegaan word om egalige en akkurate toediening te verseker.

GRONDTOEDIENING

Spuut die onkruid of die grondoppervlak deur middel van 'n trekkegeremonteerde spuitbalk of 'n rugsakspuit, toegerus met platwaaierpunte. Gebruik 'n toedienings volume van 200-300 liter spuitmengsel / ha. Roer die spuitmengsel voortdurend om voldoende vermenging te verseker. Beste resultate word verkry wanneer **METRIBUZIN 75 WG** of mengsels op klam grond toegedien word en wanneer die klimaat warm en gunstig is vir aktiewe onkruidgroei. Maak alle tekens van onkruidodors op die toedieningsapparaat deeglik skoon direk na gebruik. Spoel die tenk, pompe, pype en spuitbalk uit met skoon water na die verwydering van spuitkoppe en skerms. (Maak hierdie dele afsonderlik skoon.)

LUGTOEDIENING

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Remedies) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus noodsaaklik dat die volgende kriteria nagekom word:

Toerusting

- Gebruik geskikte atomiseringsapparaat (hidroliese of roterende spuitkoppe) wat die vereiste druppelgrootte en bedekking van die teiken sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n spuitstelsel gebruik wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 60-75% van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks te beperk

Toedieningsvereistes

- 'n Minimum volume van 30 - 40 l spuitmengsel per ha word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, uit die lug toegedien word nie.
- 'n Druppelbedekking van 30 - 40 druppels per vierkante cm moet op die teikenarea herwin word.
- 'n Druppelspektrum met 'n VMD van 350-450 mikrons word aanbeveel. Verseker dat die produksie van fyn druppels, die wat kleiner as 150 mikron is, tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet tussen 3 en 4 meter bo die teiken gehandhaaf word.

- Moet nie spuit wanneer die vliegtuig aan die bopunt van 'n draai is of tydens 'n duik of terwyl dit uitklim of draai nie.

Meteorologiese toestande

- Die verskil tussen die nat-en droëbollesings, soos bepaal met behulp van 'n swaaihygrometer, moet nie 8 ° C oorskry nie.
- Moet nie tydens turbulente en onstabiele weerstoestande of gedurende die hitte van die dag wanneer stygende en dalende konveksie windbeweging plaasvind, spuit nie.
- Moenie toedien onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en / of hoë lugvog toestande nie, want dit kan lei tot:
 - Verlaagde effektiwiteit as gevolg van die suspensie en verdamping van klein druppels in die lug (wat lei tot onvoldoende bedekking op die teikenarea).
 - Skade aan ander sensitiewe gewasse en / of nie-teiken areas as gevolg van wegdrywing van die spuitwolk weg van die doelgebied af.
- Moet nie spuit wanneer die windspoed 15 km per uur oorskry nie.

Algemene

- Verseker dat die lande akkuraat gemerk is en dat die lugbespuitingsoperateur presies weet watter lande gespuut moet word.
- Verkry versekering van die spuitoperateur dat aan die bogenoemde vereistes voldoen sal word en dat die betrokke data in 'n logboek saamgevat word vir toekomstige verwysing.

AANBEVELINGS

GEWAS	DOSIS / ha	OPMERKINGS
Suikerriet Vooropkoms: 6 - 20% klei (Ligte sand tot sanderige leem)	2.34 - 2.8 kg OF 1.31 - 2.0 kg + 2.0 kg DIURON 80 WG	Dien egalig toe op klam grond na plant of oes. Toediening vir <i>Panicum maximum</i> moet vooropkoms gemaak word. Nie aanbeveel vir swak gronde wat minder as 6% klei bevat nie. Die hoër dosisse sal 'n onderdrukkende effek hê op <i>Cyperus esculentus</i> .
21 - 35% klei (Leem tot sanderige klei leem)	2.8 kg OF 1.59 - 2.0 kg + 2.0 kg DIURON 80 WG	
Vroeg na-opkoms: 6 - 20% klei (Ligte sand tot sanderige leem)	2.34 - 2.8 kg OF 1.31 - 2.0 kg + 2.0 kg DIURON 80 WG OF 1.31 - 2.0 kg + 3.0 - 4.0 L AMETRYN 500 SC	Dien toe voordat die grasonkruide in die 2 tot 3-blaarstadium en breëblaaronkruide in 4 tot 6blaarstadium is. Dien die hoër dosis toe om <i>Cyperus esculentus</i> te beheer. Byvoeging van SCORCHER soos aanbeveel in plantriet by METRIBUZIN 75 WG + DIURON 80 WG of by METRIBUZIN 75 WG + AMETRYN 500 SC sal die doeltreffendheid verhoog, veral waar <i>Panicum maximum</i> 'n probleem is of verder as die 3-blaarstadium ontwikkel het, maar nogsteeds in 'n stadium voor die stoelstadium is.
21 - 35% klei (Leem tot sanderige klei leem)	2.8 kg OF 1.59 - 2.0 kg + 2.0 kg DIURON 80 WG OF 1.59 - 2.0 kg + 3.0 - 4.0 L AMETRYN 500 SC	

GEWAS	DOSIS / ha	OPMERKINGS
Aartappels 0 - 10% klei 11 - 20% klei 21 - 35% klei	700 g 940 g 1.12 - 1.4 kg	Vooropkoms. Dien egalig op die grond na plant toe tot net vooropkoms van die gewas. Gebruik die hoër toedieningshoeveelheid waar die grond se klei persentasie hoër is.
Lusern & Peulgewasvelde 0 - 10% klei 11 - 20% klei 21 - 35% klei	700 g 940 g 1.12 - 1.4 kg	Onkruid: Vooropkoms. Dien toe as 'n volle dekbespuiting op gevestigde, dormante lusern.

Opmerkings:

- 1) As *Panicum maximum* na vore gekom het teen die tyd van toediening, word dit aanbeveel dat **DIURON 80 WG** of Ametryn 500 SC bygevoeg word teen die aangeduide dosisse.
- 2) Ametryn 500 SC is die verkiesde tenkmengsel vennoot vir gebruik onder die koeler en droër toestande van die lente.
- 3) **DIURON 80 WG** is die verkiesde tenkmengsel vennoot vir gebruik onder warm, nat, aktiewe groeitoestande.
- 4) Gebruik altyd die laer toedieningshoeveelhede vir ligte, minder absorberende gronde met 'n lae kation uitruil kapasiteit.
- 5) Vir uifers swaar gronde (hoë kation uitruilingsvermoë) bevestig die werklike dosis met 'n tegniese adviseur.
- 6) Afhangende van die dosis van toediening, grondtipe en reënval, **METRIBUZIN 75 WG** beheer gewoonlik nogsteeds onkruid vir 'n lang tydperk. Beste resultate word verkry wanneer dit toegedien word vooropkoms van grasonkruid en wanneer breëblaaronkruid jonk is (3 tot 5 cm).

ONKRUIDE WAT NORMAALWEG BEHEER WORD:

Grasse:

<i>Chloris virgata</i>	Witpluimchloris
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Echinochloa crusgali</i>	Hanepootmanna
<i>Eleusine indica</i>	Jongosgras
<i>Panicum coloratum</i>	Kleinbuffelsgras
<i>Panicum maximum</i> *	Gewone buffelsgras
<i>Panicum schinzii</i>	Soet buffelsgras
<i>Urochloa panicoides</i>	Beesgras
<i>Cyperus esculentus</i> *	Geeluintjie

Nota:

* Benodig 3 kg **METRIBUZIN 75 WG/ha** vir doeltreffende beheer.

Breëblaaronkruid:

<i>Amaranthus deflexus</i>	Meerjarige misbriedie
<i>Amaranthus hybridus</i>	Kaapse misbriedie
<i>Amaranthus spinosus</i>	Doringmisbriedie
<i>Amaranthus thunbergii</i>	Rooimisbriedie
<i>Bidens pilosa</i>	Knapsekêrel
<i>Chenopodium album</i>	Withondebossie

<i>Chenopodium carinatum</i>	Groenhondebossie
<i>Datura stramonium</i>	Stinkblaar
<i>Emex australis</i>	Kaapse dubbeltjie
<i>Hibiscus trionum</i>	Terblansbossie
<i>Portulaca oleraceae</i>	Porslein
<i>Raphanus raphanistrum</i>	Ramenas
<i>Tagetes minuta</i>	Kakiebos

Onkruid wat nie normaalweg beheer word:

Cyperus rotundus
Solanum nigrum

ERKENNING VAN HANDELSMERKE

Diuron 80WG (L 9653)
Scorcher (L 9085)

Meridian Agrochemical Company (Pty) Ltd.
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