



# HEXAZINONE 75 DF

**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**GEbruiksAnwysings InGESLUIT**  
**VERWYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**

Lotnummer  
 Datum van vervaardiging

## HEXAZINONE 75 DF

HERBICIDE

Reg. No. L8907, Act/Wet No. 36 of/van 1947  
 2: 26/02/2014

**A water dispersable granule herbicide for the selective control of grasses and broadleaf weeds as listed in ratoon sugarcane and for non-selective use in sugarcane breaks and verges.**

**'n Waterdispergeerbare korrel-onkruidodder vir die selektiewe beheer van grasse en breëblaaronkruid soos aangedui in oorstaan suikerriet en vir die nie-selektiewe gebruik in suikerriet paadjies en kante.**

HRAC HERBICIDE GROUP CODE	C1	HRAC ONKRUIDDODER GROEPKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Hexazinone (methyl-triazine) 750 g/kg		Heksasinoon (metieltriasien)

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

1kg

UN Number: 3077

HARMFUL / SKADELIK

**DIRECTIONS FOR USE ENCLOSED**  
 Batch Number  
 Date of manufacture

**REFER TO DETAILS AS PRINTED ON CONTAINER / BAG**

## WARNINGS

- Poisonous by swallowing.
- May irritate eyes, nose, throat and skin.
- **Flammable – keep away from heat, sparks and open flame.**
- Store in a cool place away from children, animals and uninformed persons, food and feed.
- Avoid excessive overlapping of spray swaths and double spraying.
- **Do not use on plant cane.**
- **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 water or 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 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. Do not apply more than 2,0 kg active ingredient of **HEXAZINONE 75DF** to soils with over 60 % sand, less than 0,5% organic matter and with a water tables less than 2 m below surface in one year.
- Do not apply **HEXAZINONE 75DF** 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, **HEXAZINONE 75DF** is a group code C1 herbicide. Any weed population may contain individuals naturally resistant to **HEXAZINONE 75DF** 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 **HEXAZINONE 75DF** 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 **HEXAZINONE 75DF** not controlling resistant weeds. Do not apply **HEXAZINONE 75DF** alone in situations where weed resistance has been confirmed. Sub-standard application of **HEXAZINONE 75DF** will lead to inferior weed control and may assist in development of herbicide resistance.

## **DIRECTIONS FOR USE**

**Use only as directed**

**HEXAZINONE 75DF** is a leaf and root absorbed herbicide with long residual action. It should be applied prior to or during the period of active growth of weeds. Rainfall within a few weeks after application will enhance the herbicidal action. Effects of **HEXAZINONE 750 DF** on existing weeds are slow to appear and several weeks may be required for maximum effect to become visible. The degree of control and duration of effect will depend on the dosage rate, rainfall and soil type. Do not exceed recommendations and do not repeat an application during the same season. Do not add additional wetters, additives or surfactants. Do not plant crops other than sugarcane within 12 months of a **HEXAZINONE 75DF** application. Before replanting to any other crop ensure that the soil is thoroughly ploughed and harrowed. **HEXAZINONE 75DF** should be diluted with water, 200-400 litres/ha for sugarcane, depending on the density of weeds, and applied to the weeds and soil as an overall or directed spray.

### **SUGARCANE ONLY:**

**Use on ratoon cane only, do not use on plant cane. Do not apply directly over the ratoon foliage but direct the sprays across the inter-row to avoid, as far as possible, wetting the foliage.**

## **COMPATIBILITY**

Always keep the spray mixture agitated to ensure adequate and uniform mixing. Spray the weeds or soil surface by means of a tractor-mounted boom sprayer or knapsack sprayer. Use an application volume of 200-400 litres water/ha. Ensure that the application equipment is correctly calibrated and that uniform and even distribution of spray is obtained. Agitate the spray mixture continuously to ensure adequate mixing. Best results are obtained when **HEXAZINONE 75DF** is applied to moist soil and when the climate is warm and favorable 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.) **Hexazinone 75 DF** is compatible with **Diuron 800 WG** (L 9653).

**When using other products in a spray program with Hexazinone 75 DF, always consult the labels of those particular products regarding directions and restrictions for their application and crop rotation recommendations.**

## **APPLICATION METHODS**

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

## **GROUND APPLICATION**

Tractor mounted boom sprayers may be used. A spray volume of approximately 200 l/ha should be used for ground application and can be applied via solid- or hollow cone nozzles. **Constant agitation throughout the spray operation is essential.** Only clean water should be used. Prevent overdosing by avoiding overlapping of swaths and closing the nozzles while starting, slow movement, turning and stopping.

### **Aerial application:**

- **HEXAZINONE 75DF** may be applied aerially provided that the spray mixture is distributed evenly over the target area and the loss of spray material during application is restricted to a minimum. To achieve this, it is essential that the following requirements are met:
- Increase recommended rate by 10% - Use a conventional boom. Nozzles must be equipped with flat fan tips, eg. SS 6615 or equivalent.
- A minimum spray volume of 35 l/ha.
- A minimum of 25 to 35 droplets per square cm must be recovered on the target area.
- Employ a droplet spectrum with a VMD of 450 micron.
- Maintain a flying height of 3 m above the target area at wind speed of 0-8 km/h and flying height of 2m at speeds of 8-15 km/h.
- Do not spray when the wind speed exceeds 15 km/h.
- The difference between the wet and dry bulb reading, as determined with a swinging hygrometer, must not exceed 8 degrees Celsius.
- Do not spray during the heat of the day.

- Ensure that the fields are accurately marked.

It is essential to obtain an assurance from the aerial spray operator that the above requirements will be met.

#### RATOON SUGARCANE:

For residual weed control apply **HEXAZINONE 75DF** on its own in 200-400 litres water/ha according to the season and soil type. Apply as a uniform overall spray at a pre- or very early post- emergence stage of growth of weeds. After the post-harvest operations have been completed, **HEXAZINONE 75DF** may be applied before the weeds emerge or when the weeds have just emerged. In active growing crop situations, or post-emergence of new ratoon leaves, treatment can cause damage if the spray is not directed between the rows and hot humid conditions prevail. The danger of this occurring will be minimized if the sprays are directed so as to avoid, as far as possible, wetting the cane leaves. Broad leaf weeds should not be taller than 8-10cm. If grasses are present, the application should be made prior to tillering or prior to the grass developing a strong root system.

**HEXAZINONE 75DF** should normally control weeds for a period of 8-12 weeks.

#### RECOMMENDATIONS

##### A: Hexazinone 75 DF and Diuron 800 WG (L 9653):

TIMING OF APPLICATION	SOIL TYPE AND CLAY %	PRE-EMERGENCE OF WEEDS	POST-EMERGENCE OF WEEDS
		HEXAZINONE 75DF (kg/ha)	PLUS DIURON 800 WG (kg/ha)
Early season	Light to Loamy sand @ 5 – 15 % clay	0.5 – 0.7 kg/ha	1.0 kg
	Loamy sands to sandy clay loam @ 16 – 35 % clay	0.7 – 0.9 kg/ha	1.0 – 1.5 kg
	Sandy clay to clay with soils with high organic matter @ > 35 % clay	0.8 – 1.0 kg/ha also see <b>Remarks</b> below	1.5 – 2.0 kg also see <b>Remarks</b> below
Mid season	Light to Loamy sand @ 5 – 15 % clay	0.5 – 0.6 kg/ha	1.0 kg
	Loamy sands to sandy clay loam @ 16 – 35 % clay	0.6 – 0.7 kg/ha	1.0 – 1.5 kg
	Sandy clay to clay with soils with high organic matter @ > 35 % clay	0.7 – 0.8 kg/ha also see <b>Remarks</b> below	1.5 – 2.0 kg also see <b>Remarks</b> below
Late season	Light to Loamy sand @ 5 – 15 % clay	0.3 – 0.4 kg/ha	1.0 kg
	Loamy sands to sandy clay loam @ 16 – 35 % clay	0.6 kg/ha	1.0 – 1.5 kg
	Sandy clay to clay with soils with high organic matter @ > 35 % clay	0.7 kg/ha also see <b>Remarks</b> below	2.0 kg also see <b>Remarks</b> below

#### Remarks:

- 1) Always use lower application rates for light less absorptive soils.
- 2) For extremely heavy soils confirm actual rate with a Technical Advisor or distributor.
- 3) The addition of an adjuvant will improve the foliar uptake in post-emergence weed situations.
- 4) If *Panicum maximum* has developed beyond the seedling stage by the time of application, the addition of **Diuron 800 WG** at the indicated rates are recommended.
- 5) It is preferable to use **Diuron 800 WG** under warm, wet, active growing conditions.
- 6) Always use the lower rate for light, less absorptive soils.
- 7) For extremely heavy soils confirm the actual rate with a Technical Advisor.

## SUGARCANE VERGES AND BREAKS:

Apply the product in 200-400 liters water/ha as a uniform overall spray at the post- emergent stage of weed growth. It should be applied before, or during the period of active growth of the weeds, and at the early stages of grass development. The treatment is not designed to destroy all weeds and leave bare ground; some weeds may only be severely stunted, while the weeds listed will be controlled for a longer period.

SOIL TYPE AND CLAY %	HEXAZINONE 75DF (kg/ha)	DOSAGE AS SPOT APPLICATION PER 10 m <sup>2</sup>	APPLICATION REMARKS
Sandy and sandy loam (up to 20% clay)	2.4 kg/ha	2.4 g	Apply as a directed spray to avoid wetting the leaves of sugarcane.
Sandy clay loam (21-35%)	3.6 kg/ha	3.6 g	
Sandy clay to clay (more than 35% clay)	4.8 kg/ha	4.8 g	

## WEEDS NORMALLY CONTROLLED:

### Grasses:

*Brachiaria eruciformis*  
*Digitaria sanguinalis*  
*Digitaria spp*  
*Eleusine indica*  
*Panicum schinzii*  
*Panicum subalbidum*  
*Panicum maximum*  
*Setaria verticillata*  
*Setaria pallide-fusca*

### Broadleaf weeds:

*Ageratum conyzoides*  
*Argemone mexicana*  
*Bidens pilosa*  
*Chenopodium murale*  
*Cosmos bipinnatus*  
*Datura stramonium*  
*Emex australis*  
*Galinsoga parviflora*  
*Hibiscus trionum*  
*Nicandra physaloides*  
*Portulaca oleracea*  
*Solanum nigrum* *Sigesbeckia orientalis*

### Sedges:

*Fimbristylis dichotoma*  
*Cyperus esculentus*  
*Fimbristylis hispidula*  
*Cyperus distans*

### Weeds not normally controlled:

*Cyperus rotundus*  
*Cynodon dactylon*  
*Sorghum verticilliflorum* and established (tillering) as well as post tillered *Panicum maximum* are not well controlled.

## ACKNOWLEDGEMENT OF TRADEMARKS

Diuron 800 WG (L 9653)

Meridian Agrochemical Company (Pty) Ltd

## WAARSKUWINGS

- Giftig indien ingesluk.
- Mag irritasie van die oë, neus, keel en vel veroorsaak.
- **Vlambaar - Hou weg van hitte, vonke en oop vlamme.**
- Bêre in 'n koel plek buite bereik van kinders, diere, oningeligte persone, voedsel en voer.
- Vermoë dubbele bespuitings en oormatige oorvleueling van spuitbane.
- **Moenie op plantsuikerriet gebruik nie.**
- **Herbetreding** - Moet nie die behandelde area betree alvorens die spuitneerslag droog 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 gebiede wat bespuit gaan word in kennis, en reik die nodige waarskuwings uit. Moet nie oor wateroppervlakke of aangrensende gebiede spuit of die spuisstof daarheen laat oorwaai nie.

**Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, het die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunnings- water, 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. Die registrasiehouer aanvaar 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 versuim van die gebruiker om die etiketaanwysings na te volg, of aan**

## VOORSORGMATREËLS

- Moet nie spuitnewel inasem nie.
- Was met seep en water na gebruik of na toevallige velkontak.
- Dra 'n veiligheidsbril wanneer produk gebruik of gehanteer word en dit irritasie van die oë kan veroorsaak. 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.
- Gooi waswater weg waar dit nie gewasse, weiding, riviere en damme sal besoedel nie.
- Voorkom besmetting van voedsel, voer, drinkwater en eetgerei.
- Moet nie toedien naby gewenste plantegroei of bome (soos windskerms, ornamentele bome en struik langs paaie), of op gebiede waar hul wortels mag wees of in plekke waar die onkruiddoder na die wortels gewas kan word.
- Moet nie gebruik in gebiede waar vatbare gewasse binne die afsienbare toekoms verbou gaan word nie.
- Oordosering of enige gebruik wat nie in ooreenstemming met die aanwysings op die etiket is nie, kan lei tot beskadiging van die gewas en ander ongewenste gevolge inhou.
- Moet nie meng, toedien of spuittoerusting skoonmaak binne 20 m van 'n waterbron nie of waar die afloop of wegdrywing 'n waterbron kan besoedel nie. Moet nie meer as 2,0 kg aktiewe bestanddeel van **HEXAZINONE 75DF** op gronde met meer as 60% sand, minder as 0,5% organiese materiaal, of waar die watertafel minder as 2 m onder die oppervlakte is, binne een jaar toedien nie.
- Moet nie **HEXAZINONE 75DF** op enige ander gewas of situasie toedien wat nie in die etiket genoem is 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.

## WEERSTANDSWAARSKUWING

Vir weerstandbestuur is **HEXAZINONE 75DF** 'n groeppkode C1 onkruiddoder. Enige onkruidbevolking mag individue insluit wat 'n natuurlike weerstand teen **HEXAZINONE 75DF** en ander groeppkode C1 onkruiddoder het. Die weerstandbiedende individue kan uiteindelik die onkruidbevolking oorheers indien hierdie onkruiddoders herhaaldelik aangewend word. Hierdie weerstandbiedende onkruid mag nie deur **HEXAZINONE 75DF** of enige ander groeppkode C1 onkruiddoder beheer word nie.

**Om weerstand teen onkruiddoders te vertraag:**

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

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

Die teenwoordigheid van sulke weerstandbiedende onkruid is moeilik om te bepaal voordat die onkruidoder toegedien word. Dus kan die registrasiehouer en die verspreider nie verantwoordelikheid aanvaar vir enige verlies wat mag voortspruit uit **HEXAZINONE 75DF** se nie weerstandbiedende onkruidbeheer. Moet nie **HEXAZINONE 75DF** alleen in situasies waar weerstand bevestig is toedien nie. Sub-standaard toediening van **HEXAZINONE 75DF** sal lei tot onbevredigende onkruidbeheer wat kan help in die ontwikkeling van onkruidoderweerstand.

## **GEBRUIKSAANWYSINGS**

### **Gebruik slegs soos aangedui.**

**HEXAZINONE 75DF** word deur blare en wortels opgeneem en het 'n lang nawerking. Dit moet voor of tydens die tydperk van aktiewe groei van onkruid toegedien word. Reën binne 'n paar weke na toediening sal die werking van die produk bevorder. Die effek van **HEXAZINONE 75DF** op bestaande onkruid is stadig om te verskyn en mag die uiteindelijke effek eers 'n paar weke later sigbaar wees. Die mate van beheer en nawerking sal afhang van die toedieningshoeveelheid, reënval en grondtipe. Moet nie die aanbevole hoeveelhede oorskry nie en moet nie die toediening gedurende dieselfde seisoen herhaal nie. Moenie bykomende benatters, bymiddels of kleeftmiddels byvoeg nie. Moet nie enige ander gewas dan suikerriet binne 12 maande na die toediening van **HEXAZINONE 75DF** plant nie. Voordat enige ander gewas geplant word, moet die grond deeglik bewerk word. Afhangende van die onkruiddruk moet **HEXAZINONE 75DF** in 200-400 liter/ha vir suikerriet opgelos word voor bespuiting. Dien toe as 'n algehele of gerigte bespuiting.

### **SLEGS SUIKERRIET:**

**Gebruik slegs op Ratoenriet; moet nie op planriet gebruik nie. Moet nie direk oor die ratoenriet blare spuit nie, maar rig die bespuitings oor die inter-ry om so ver as moontlik benetting van die blare te vermy.**

### **VERENIGBAARHEID**

Hou altyd die spuitmengsel in roering om voldoende en eenvormige vermenging te verseker. Spuit die onkruid of die grondoppervlak deur middel van 'n trekkeergemonteerde balkspuit of rugsakspuit. Gebruik 'n toedieningsvolume van 200-400 liter water/ha. Maak seker dat die spuittoerusting korrek gekalibreer is en dat 'n eenvormige en eweredige verspreiding van spuitstof verkry word. Roer die spuitmengsel voortdurend om voldoende vermenging te verseker. Die beste resultate word verkry wanneer **HEXAZINONE 75DF** op klam grond toegedien word en wanneer die klimaat warm en gunstig is vir die aktiewe groei van onkruid. Om alle oorblyfsels van onkruidoder uit die spuitapparaat te verwyder, spoel die tenk, pype en spuitbalk deeglik uit met skoon water onmiddelik na gebruik en nadat die spuitpunte en siffies uitgehaal is. (Maak hierdie onderdele afsonderlik skoon). **HEXAZINONE 75DF** is mengbaar met **Diuron 800 WG** (L 9653).

**Wanneer ander produkte in spuitprogramme tesame met **HEXAZINONE 75DF** gebruik word, moet die etikette van daardie spesifieke produkte in terme van aanwending en beperkings geraadpleeg word veral by hul toediening en gewasrotasie aanbevelings.**

### **TOEDIENINGSMETODES**

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

#### **Grondtoediening:**

'n Trekkeergemonteerde spuitbalk kan gebruik word. 'n Spuitmengselvolume van ongeveer 200 l/ha moet gebruik word vir grondtoediening en dit kan toegedien word met soliede- of holkeëlsputpunte. **Konstante roering regdeur die spuitoperasie is noodsaaklik.** Gebruik slegs skoon water. Voorkom oordosering deur oorvlueling van spuitbane te vermy en deur die spuitpunte te sluit aan die begin van 'n bespuiting, tydens stadige beweging, wanneer gedraai en stilgehou word.

#### **Lugtoediening:**

**HEXAZINONE 75DF** kan deur middel van lugbespuiting toegedien word mits die spuitstof egalig oor die teikengebied versprei word en die verlies aan spuitmiddel tydens toediening tot 'n minimum beperk word. Dit is dus noodsaaklik dat die volgende kriteria nagekom word:

- Verhoog aanbevole dosis met 10%. Gebruik 'n konvensionele spuitbalk. Spuitstukke moet net platwaaierspuitpunte, bv. SS 6615 of soortgelyks wees.
- 'n Minimum spuitvolume van 35 liter/ha.
- 'n Minimum van 25 tot 35 druppels per vierkante sentimeter moet op die teikengebied herwin word.
- Gebruik 'n druppelspektrum met 'n VMD van 450 mikron.
- Handhaaf 'n vlieg hoogte van 3 m bokant die teikengebied by windsnelheid van 0-8 km/h en vlieg hoogte van 2m teen 'n spoed van 8-15 km/h.
- Moenie spuit indien die windspoed 15 km/h oorskry nie.
- Die verskil tussen die nat-en droë bollesering, soos met 'n swaai higrometer bepaal, moet nie meer as 8 grade Celsius wees nie.
- Moet nie toedien tydens die hitte van die dag nie.
- Verseker dat die lande akkuraat gemerk is.

Dit is noodsaaklik om 'n versekering van die spuitoperateur te verkry dat aan bogenoemde vereistes voldoen sal word.

### RATOENRIET

Vir residuele onkruidbeheer dien **HEXAZINONE 75DF** op sy eie in 200 - 400 liter water/ha toe soos aangedui volgens die seisoen en grondtipe. Dien as 'n egalige algehele bespuiting toe op 'n voor-opkoms of baie vroeë na-opkoms stadium van die onkruidgroei. Na oes, kan **HEXAZINONE 75DF** toegedien word voordat die onkruid opkom of wanneer die onkruid net te voorskyn gekom het. Indien ratoenriet reeds aktief groei of as nuwe ratoenblare reeds opgekrom het, kan nie-gerigte bespuitings onder warm vogtige toestande die riet beskadig. Om die gevaar van beskadiging te verminder moet gerigte bespuitings gedoen word. Breëblaaronkruid moet nie langer as 8 tot 10 cm wees tydens toediening nie. Indien grasse aanwesig is, moet toediening geskied voordat die grasse begin stoel en voordat 'n sterk wortelstelsel ontwikkel het. **HEXAZINONE 75DF** behoort normaalweg onkruid vir 'n tydperk van 8-12 weke te beheer.

### AANBEVELINGS

**Hexazinone 75 DF en Diuron 800 WG (L 9653):**

TYD VAN TOEDIENING	GRONDTIPE EN KLEI %	VOOR-OPKOMS VAN ONKRUIDE	NA-OPKOMS VAN ONKRUIDE
		HEXAZINONE 75DF (kg/ha)	PLUS DIURON 800 WG (kg/ha)
Vroeg in die seisoen	Ligte grond tot Sandleem @ 5 – 15 % klei	0.5 – 0.7 kg/ha	1.0 kg
	Sandleem tot Sandkleileem @ 16 – 35 % klei	0.7 – 0.9 kg/ha	1.0 – 1.5 kg
	Sandklei tot klei met hoë organiese materiaal @ > 35 % klei	0.8 – 1.0 kg/ha Sien ook <b>Opmerkings</b> onderaan	1.5 – 2.0 kg Sien ook <b>Opmerkings</b> onderaan
Middel seisoen	Ligte grond tot Sandleem @ 5 – 15 % klei	0.5 – 0.6 kg/ha	1.0 kg
	Sandleem tot Sandkleileem @ 16 – 35 % klei	0.6 – 0.7 kg/ha	1.0 – 1.5 kg
	Sandklei tot klei met hoë organiese materiaal @ > 35 % klei	0.7 – 0.8 kg/ha Sien ook <b>Opmerkings</b> onderaan	1.5 – 2.0 kg Sien ook <b>Opmerkings</b> onderaan
Laat seisoen	Ligte grond tot Sandleem @ 5 – 15 % klei	0.3 – 0.4 kg/ha	1.0 kg
	Sandleem tot Sandkleileem @ 16 – 35 % klei	0.6 kg/ha	1.0 – 1.5 kg
	Sandklei tot klei met hoë organiese materiaal @ > 35 % klei	0.7 kg/ha Sien ook <b>Opmerkings</b> onderaan	2.0 kg Sien ook <b>Opmerkings</b> onderaan



**Opmerkings:**

- 1) Gebruik altyd die laer toedieningshoeveelhede vir ligte grond met 'n laë absorpsie- en kation-uitruilvermoë.
- 2) Vir baie swaar gronde (wat gewoonlik 'n hoë kation-uitruilvermoë het) moet die korrekte toedieninghoeveelheid vasgestel word in oorleeg met 'n tegniese verteenwoordiger van die verspreider.
- 3) Die gebruik van 'n byvoegmiddel sal die blaaropname in na-opkoms onkruidsituasies verbeter.
- 4) Indien *Panicum Maximum* verby die saailingstadium ontwikkel het by die punt van toediening, sal die byvoeging van **Diuron 800 WG** teen aanbevole toedieningsdosisse aanbeveel word.
- 5) Voorkeur moet gegee word aan die gebruik van **Diuron 800 WG** onder warm, aktief groeiende toestande.
- 6) Gebruik altyd die laer toedieningsdosisse vir ligte, minder absorpsie tipe gronde.
- 7) Vir geweldige swaar gronde moet die werklike toedieningsdosisse met 'n Tegniese Adviseur bevestig word.

**SUIKERRIETPAADJIES EN KANTE:**

Dien die produk toe in 200-400 liter water/ha as 'n eglige algehele bedekking op die na-opkoms stadium van die onkruid. Dit moet geskied voor of tydens die tydperk van aktiewe onkruidgroei en terwyl grasse nog in die vroeë ontwikkelings stadium is. Die behandeling is nie veronderstel om alle onkruid te vernietig en kaal grond te laat nie; sommige onkruid mag slegs ernstig verdwerg word en hul groei sal aansienlik vertraag word. Die onkruidsoorte wat op die lys verskyn sal vir langer tyd beperke beheer word.

GRONDTIPE EN KLEI %	HEXAZINONE 75DF (kg/ha)	DOSIS AS BESPUITING PER 10 VIERKANTE METER	TOEDIENINGS OPMERKINGS
Sand en sanderige leem (tot 20% klei)	2.4 kg/ha	2.4 g	Dien toe as 'n gerigte bespuiting sodat die suikerrietblare nie raakgespuit word nie.
Sandkleileem (21-35%)	3.6 kg/ha	3.6 g	
Sanderige klei en klei (meer as 35% klei)	4.8 kg/ha	4.8 g	

**ONKRUIDE WAT NORMAALWEG BEHEER WORD:****Grasse:**

*Brachiaria eruciformis*  
*Digitaria sanguinalis*  
*Digitaria* spp.  
*Eleusine indica*  
*Panicum schinzii*  
*Panicum subalbidum*  
*Panicum maximum*  
*Setaria verticillata*  
*Setaria pallide-fusca*

**Breëblaaronkruid:**

*Ageratum conyzoides*  
*Argemone mexicana*  
*Bidens pilosa*  
*Chenopodium murale*  
*Cosmos bipinnatus*  
*Datura stramonium*  
*Emex australis*  
*Galinsoga parviflora*  
*Hibiscus trionum*  
*Nicandra physaloides*  
*Portulaca oleracea*  
*Solanum nigrum*  
*Sigesbeckia orientalis*

**Kruidagtiges:**

*Fimbristylis dichotoma*

*Cyperus esculentus*  
*Fimbristylis hispidula*  
*Cyperus distans*

**Onkruid wat normaalweg nie beheer word nie:**

*Cyperus rotundus*  
*Cynodon dactylon*

*Sorghum verticilliflorum* en gevestigde (stoel) sowel as na-stoel *Panicum maximum* word nie goed beheer nie.

**ERKENNING VAN HANDELSMERKE**

Diuron 800 WG (L 9653)

Meridian Agrochemical Company (Edms.) Bpk