



# DIURON 80 WG

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

**GEBRUIKSAANWYSINGS INGESLUIT**  
**VERWYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**

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

DIURON 80 WG

HERBICIDE

Reg. No. L9653, Act/Wet No. 36 of/van 1947

1: 22/09/2014

**A water dispersible granule herbicide with residual action for the control of annual grasses and broadleaf weeds on crops as listed.**

**'n Waterdispergeerbare korrel-onkruidodder met nawerking vir die beheer van eenjarige grasse en breëblaaronkruid in gewasse soos aangedui.**

HRAC HERBICIDE GROUP CODE	C2	HRAC ONKRUIDDODER GROEPKODE
<b>ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL</b>		
Diuron (urea)	800 g/kg	Diuron (ureum)

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

25kg

UN Number: 3077

CAUTION / VERSIGTIG

## WARNINGS

- Poisonous if swallowed.
- May irritate the eyes, nose, throat and skin.
- Store in a cool, dry place away from food, feedstuffs, seed, fertilizers and other agricultural remedies.
- Store at temperatures below 50 °C and above 0°C.
- **Re-entry** – Do not enter the treated area until the spray deposit has dried unless wearing protective clothing.
- Keep out of reach of children, uninformed persons and animals.

**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 dust or spray mist.
- Wash with soap and water after use or accidental skin contact.
- Wear a face shield and rubber gloves when use or handling the product.
- In the case of contact eye contact, flush with plenty of clean water and **obtain immediate medical attention.**
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst applying or mixing this product.
- 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.
- Avoid contact with the spray mist as much as possible.
- 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 result in stunting of the crop and other adverse effects.
- Do not apply this product or allow the product to drift onto water or wetlands. Do not apply where the drift or runoff from the treated area will contaminate water or apply within 10 m of a water source. Do not mix, apply or clean equipment within 20 m of a water source unless on an impervious pad to prevent groundwater contamination. Prevent well contamination by back siphoning when filling the spray tank by the use of an ant siphoning device or an air break between the water hose and the spray tank contents.
- 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, **DIURON 80WG** is a group code C2 herbicide. Any weed population may contain individuals naturally resistant to **DIURON 80WG** and other group code C2 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **DIURON 80WG** or any other group code C2 herbicide.

### To delay herbicide resistance:

- Avoid the 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 **DIURON 80WG** not controlling resistant weeds. Do not apply **DIURON 80WG** alone in situations where weed resistance has been confirmed.

Sub-standard application of **DIURON 80WG** will lead to inferior weed control and may assist in the development of herbicide resistance.

#### **MODE OF ACTION**

Diuron is a systemic herbicide, which is absorbed principally by the roots, with translocation acropetally in the xylem. It is a photosynthetic electron transport inhibitor at the photosystem II receptor site.

#### **DIRECTIONS FOR USE**

**Use only as directed.**

**DIURON 80WG** is a leaf and root absorbed herbicide with long residual action. It should be applied prior to germination or active growth of weeds. Rainfall or irrigation within a week after application is required to enhance the herbicidal action, although application onto moist soil is ideal.

**DIURON 80WG** may also be applied post-emergence of the weeds when used in combination with other registered herbicides. The weeds should however be actively growing and in the correct growth stage for the best results.

#### **MIXING INSTRUCTIONS**

Half-fill the spray tank with suitable water. Mix the required quantity of **DIURON 80WG** in a small quantity of clean water to make a smooth cream and pour this into the spray tank through a sieve. Then fill to the required quantity with suitable water. Keep the products in continuous suspension the spray tank by means of constant agitation. Do not use air agitation, foaming must be kept to a minimum. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

#### **COMPATIBILITY**

**DIURON 80WG** is compatible with **MCPA 750DMAX** (L9020), **SCORCHER** (L9085), **ACETAK EC** (L6904), **BOUNTY SL** (L 7268), **BOUNTY 500 WSG** (L6698), and registered wetting agents.

Do not mix **DIURON 80WG** with liquid formulations in a concentrated form. When combining **DIURON 80WG** with **Bounty SL** (7268) or **Bounty 500 WSG** (L6698), refer to the labels before mixing the products in the spray tank.

Using clean water, half fill the spray tank and add the required quantity of **DIURON 80WG** as recommended. Then fill the tank with water and add the other liquid formulation, in an already diluted form, and in the following sequence, adjuvant, suspension concentrate and then emulsifiable concentrate in order to avoid problems.

If **DIURON 80WG** is used in tank mixture with other agricultural remedies, consult the respective labels of those particular products.

#### **APPLICATION METHODS**

**DIURON 80 WG** should be applied in 200 – 400 liters water / ha, using a flat fan type or flood nozzle and accurately calibrating the spray equipment prior to the treatment.

#### **RATOON SUGARCANE:**

For residual weed control apply **DIURON 80WG** in a tank mix with **HEXAZINONE 75DF** in 200-400 liters 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. **HEXAZINONE 75DF + DIURON 80WG** may be applied post emergence of the weeds. 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 where hot humid conditions prevail. The danger of this occurring will be minimized if the sprays are directed to avoid, as far as possible, wetting the cane leaves. The broad

leaf weeds should not be taller than 8-10 cm. If grasses are present, the application should be made before tillering or before the grass develops a strong root system.

#### RECOMMENDATIONS

CROP	RATE (/ha)	REMARKS
<b>INDUSTRIAL SITES</b>	10.0 – 30.0 kg	Apply in at least 600 ℓ water/ha together with a suitable grass killer such as <b>Bounty SL</b> or <b>Bounty 500 WSG</b> for the control of perennial grasses.
<b>PINEAPPLES</b> Post plant or on established plants	4.0 kg	Apply in at least 600 – 1000 ℓ water/ha as a blanket spray immediately after planting and before weed emergence. For ratoon crop apply before rainy season on a weed free soil. Repeat applications at 2.0 kg/ha every 4 months are preferable to a single application at the full rate.

CROP	CLAY %	RATE (/ ha)	
<b>SUGARCANE</b> (Plant cane)	0-30	3.0 kg <b>DIURON 80WG</b> + 2.0 – 2.5 l <b>ACETAK EC</b>	Apply in at least 200 - 400 l water/ha as blanket spray immediately after planting and before weeds have emerged or after harvesting. Higher rate: heavy weed infestation or heavier soil type. Lower rate: lighter soil type. If a repeat is necessary, use 2 kg as a direct and interrow application.
	>30	3.0 kg <b>DIURON 80WG</b> + 2.5 – 3.0 l <b>ACETAK EC</b>	
(Plant and ratoon cane)	All soil types	2.5 kg <b>DIURON 80WG</b> + 2.0 – 3.2 l <b>MCPA 750 DMAX</b> + surfactant	Apply in at least 200 l water/ha as an early post-emergent spray directed between the rows. Higher rate: heavy weed infestation or less susceptible weed stages. Avoid wetting leaves to minimise possible damage in older cane plants.
	6-20	2.0 kg <b>DIURON 80WG</b> + <b>Metribuzin 75WG</b> 1.4-2.0 kg	Pre- and early post-emergent  Apply before the grass weeds are in the 2-3 leaf stage and the broad leaf weeds are in the 4-6 leaf stage. Apply the higher rates to control <i>Cyperus esculentus</i> . The addition of <b>SCORCHER</b> as recommended in plant cane 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	2.0 kg <b>DIURON 80WG</b> + <b>Metribuzin 75WG</b> 1.7-2.0 kg	
	All soil types	2.0 Kg <b>DIURON 80WG</b> + 2.0 l <b>SCORCHER</b>	Early post emergence
<b>SUGARCANE</b> (Ratoon cane)  <b>Early season</b>	5-15	1 kg <b>DIURON 80 WG</b> + 0.5 – 0.7 kg <b>Hexazinone 75 DF</b>	Apply pre-emergence or early post-emergence  Always use the lower rate for light, less absorptive soils with a low cation exchange capacity. The addition of a suitably registered adjuvant will improve foliar uptake in post emergent situation.
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.7-0.9 kg <b>Hexazinone 75 DF</b>	
	>35	1.5-2.0 kg <b>DIURON 80 WG</b> + 0.8-1.0 kg <b>Hexazinone 75 DF</b>	
<b>Mid season</b>	5-15	1 kg <b>DIURON 80 WG</b> + 0.5 – 0.6 kg <b>Hexazinone 75 DF</b>	
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.6-0.7 kg <b>Hexazinone 75 DF</b>	
	>35	1.5-2.0 kg <b>DIURON 80 WG</b>	

		+ 0.7-0.8 kg <b>Hexazinone 75 DF</b>	
<b>Late season</b>	5-15	1 kg <b>DIURON 80 WG</b> + 0.3 – 0.4 kg <b>Hexazinone 75 DF</b>	
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.6 kg <b>Hexazinone 75 DF</b>	
	>35	2.0 kg <b>DIURON 80 WG</b> + 0.7 kg <b>Hexazinone 75 DF</b>	

**NOTES:**

When **DIURON 80WG** is mixed with any other product, the instructions, use restrictions and warnings on the label of that particular product must be carefully read and adhered to.

**DIURON 80WG** or mixtures containing **DIURON 80WG** may, under certain conditions, cause some scorching or yellowing of sugarcane leaves. This is usually temporary and the yield will not be affected. Weed control may be poorer when the weeds are under stress. Apply only during moist conditions when the weeds are actively growing.

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + MCPA 750 DMAX:**

<i>Ageratum conyzoides</i>	Invading ageratum
<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>Arctotis leiocarpa</i> *	Karoo daisy
<i>Arctotis venusta</i>	Free state daisy
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i>	Cosmos
<i>Bidens pilosa</i>	Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Portulaca oleracea</i>	Common Purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Tagetes minuta</i>	Khaki weed
<i>Tribulus terrestris</i>	Common dubbeltjie
<i>Vicia hirsuta</i>	Tiny purple vetch
<i>Vicia sativa</i>	Broadleaf purple vetch

\*Early rosette stage

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + ACETAK EC:**

<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>Galinsoga parviflora</i>	Gallant soldier
<i>Portulaca oleracea</i>	Purslane
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Setaria verticillata</i>	Sticky bristle grass
<i>Urochloa panicoides</i>	Herringbone grass

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + METRIBUZIN 75WG:**

<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>	Nettle-leaved goosefoot
<i>Hibiscus trionum</i>	Bladder weed
<i>Plantago lanceolata</i>	Ribwort
<i>Portulaca oleracea</i>	Purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Tagetes minuta</i>	Khaki weed
<i>Urtica dioica</i>	Stinging nettle
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum natalensis</i>	Natal buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Urochloa panicoides</i>	Herringbone grass

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + SCORCHER:**

Most weed species that have already germinated.

The weeds mentioned below may only be partially controlled:

Perennial weeds
Volunteer maize, peanuts and potatoes
Domonia weeds
<i>Commelina benghalensis</i>
<i>Conyza bonariensis</i>
<i>Plantago lanceolata</i>
Tuft-grasses (>15 cm diameter)

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + Hexazinone 75 DF:**

<i>Ageratum conyzoides</i>	Invading ageratum
<i>Bidens pilosa</i>	Common Blackjack
<i>Conyza albida</i>	Tall fleabane
<i>Cosmos bipinnata</i>	Cosmos
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Hibiscus trionum</i>	Bladder weed
<i>Plantago lanceolata</i>	Ribwort
<i>Portulaca oleracea</i>	Common Purslane
<i>Solanum mauritianum</i>	Bugweed
<i>Urtica dioica</i>	Stinging nettle
<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Eleusine indica</i>	Goose grass
<i>Panicum maximum</i>	Common buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Paspalum dilatatum*</i>	Common paspalum
<i>Setaria verticillata</i>	Sticky bristle grass

\*Variable control. Later flushes of this weed may not be adequately controlled

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + TEBUROX:**

<i>Amaranthus hybridus</i>	Common pigweed
<i>Bidens pilosa</i>	Common Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Hibiscus trionum</i>	Bladder weed
<i>Plantago lanceolata</i>	Ribwort
<i>Urtica dioica</i>	Stinging nettle
<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Eleusine indica</i>	Goose grass
<i>Panicum natalensis</i>	Natal buffalo grass

**WEED SPECIES NORMALLY CONTROLLED BY DIURON 80 WG + PENDULUM**

<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Eleusine indica</i>	Goose grass
<i>Panicum natalensis</i>	Natal buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Setaria verticillata</i>	Sticky bristle grass
<i>Urochloa panicoides</i>	Herringbone grass
<i>Urtica dioica</i>	Stinging nettle
<i>Amaranthus hybridus</i>	Common pigweed
<i>Bidens pilosa</i>	Blackjack
<i>Plantago lanceolata</i>	Ribwort
<i>Portulaca oleracea</i>	Common Purslane

*Panicum maximum* (common buffalo grass) can normally be controlled when the grass is growing actively before reaching 4 cm in height and before tillering.

*Cyperus esculentus* (yellow nutsedge) can be controlled if sprayed just before flowering and under ideal conditions. Otherwise, variable results may be obtained if sprayed earlier or during cold or dry weather conditions.

The Control of *Sorghum verticilliflorum*, *Rottboellia exaltata*, *Cynodon dactylon* and *Paspalum* spp. is usually variable to inadequate.



Any weeds not listed, may not have been present during development trials with the product but may possibly also be controlled to a degree. The registration holder does not accept any responsibility for any unlisted weeds.

#### **ACKNOWLEDGEMENT OF TRADEMARKS**

Acetak EC	(L 6904)	Meridian Agrochemical Company (Pty) Ltd
Bounty 500 WSG	(L 6698)	Meridian Agrochemical Company (Pty) Ltd
Bounty SL	(L 7268)	Meridian Agrochemical Company (Pty) Ltd
Hexazinone 75 DF	(L 8907)	Meridian Agrochemical Company (Pty) Ltd
MCPA 750 DMAX	(L 9020)	Meridian Agrochemical Company (Pty) Ltd
Metribuzin 75WG	(L 9011)	Meridian Agrochemical Company (Pty) Ltd
Scorcher	(L 9085)	Meridian Agrochemical Company (Pty) Ltd
Pendulum	(L 9462)	Meridian Agrochemical Company (Pty) Ltd

## WAARSKUWINGS

- Giftig indien ingesluk.
- Mag oë, neus, keel en vel irriteer.
- Bêre in 'n koel, droë plek weg van voedsel, voer, saad, kunsmis en ander landboumiddels.
- Berg by temperature onder 50 °C en bokant 0 °C
- **Herbetreding** - Moenie behandelde gebiede betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.
- Hou buite bereik van kinders, oningeligte persone en diere.

**Alhoewel hierdie middel omvattend getoets is onder 'n groot verskeidenheid van toestande die registrasiehouer waarborg dat dit doeltreffend sal wees onder alle omstandighede wees. Die werking en effektiwiteit daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket en die voorkoms van weerstand van die onkruid teen die betrokke middel, sowel as aangedui 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 versuim van die gebruiker middel van die etiketaanwysings na te kom, of die voorkoms van aanvaar toestande wat nie voorsien kon word nie kragtens die registrasie. Raadpleeg die verskaffer in die geval van enige onsekerheid**

## VOORSORGMAATREËLS

- Moet nie stof of spuitnewel inasem nie.
- Was met seep en water na gebruik of toevallige velkontak.
- Dra 'n gesigskerm en rubberhandskoene wanneer die produk gebruik of gehanteer word.
- In die geval van oogkontak, spoel met skoon water en **kry onmiddellik mediese hulp**.
- Was besoedelde klere daagliks.
- Moet nie eet, drink of rook tydens toediening of wanneer hierdie produk gemeng word nie.
- Gooi spoelwater weg waar dit nie gewasse, weiding, riviere en damme sal besoedel nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Vermoed so veel as moontlik kontak met die spuitnewel.
- Moet nie naby gewenste plante of bome (soos windskerms, ornamentele bome en struik langs paaie) gebruik nie, of by gebiede waar hul wortels mag wees, of in plekke waar die chemikalieë afgespoel kan word of in kontak kan kom met hulle wortels nie.
- Moet nie in gebiede waar ander gewasse is, of in die afsienbare toekoms verbou gaan word, gebruik nie.
- Oortoediening of enige gebruik wat nie in ooreenstemming met die aanwysings op die etiket is nie kan lei tot verdwering van die gewas en ander nadelige gevolge.
- Moet nie hierdie produk toedien, of toelaat dat die produk wegdryf, op water of vleilande nie. Moet nie hierdie produk toedien waar die wegdrywing of afloop van die behandelde gebied die water sal besoedel nie. Moet nie hierdie produk binne 10 m van 'n waterbron toedien nie. Moet nie vermeng, toedien of toerusting skoonmaak binne 20 m van 'n waterbron tensy dit op 'n ondeurdringbare oppervlakte wat grondwaterbesoedeling sal voorkom, gedoen word. Wanneer spuittenk gevul word, gebruik 'n anti-terugsuig meganisme of lugbreek tussen die waterpyp en inhoud van die spuittenk om terugsuiging en gevolglike besoedeling van 'n put te voorkom.
- 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 weerstandsbestuur is **DIURON 80WG** 'n groep kode C2 onkruiddoder. Enige onkruidpopulasie mag individue insluit met natuurlike weerstand teen **DIURON 80WG** of enige ander groeppkode C2 onkruiddoder. Die weerstandbiedende individue kan uiteindelik die onkruidpopulasie oorheers as hierdie onkruiddoders herhaaldelik aangewend word. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **DIURON 80WG** of enige ander groeppkode C2 onkruiddoder beheer word nie.

### Om weerstand teen onkruiddoders te vertraag:

- Vermoed die eksklusiewe en herhaaldelike gebruik van onkruiddoders met dieselfde groeppkode. Wissel af met, of gebruik tenkmengsels van, produkte in verskillende onkruiddodergroeppkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheerprogramme.

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

Die teenwoordigheid van weerstandbiedende onkruid is moeilik om te bepaal voor gebruik en kan nog die Registrasiehouer of die Verspreider verantwoordelikheid vir enige verliese aanvaar as **DIURON 80WG** nie weerstandbiedende onkruid beheer nie. Moenie **DIURON 80WG** alleen in situasies waar weerstand bevestig is, toedien nie. Sub-standaard toediening van **DIURON 80WG** sal lei tot onbevredigende onkruidbeheer wat kan lei tot die ontwikkeling van weerstand teen onkruidodders.

## METODE VAN WERKING

Diuron is 'n sistemiese onkruidodder wat hoofsaaklik geabsorbeer word deur die wortels, met translokasie akropetaal in die xileemvate. Dit is 'n fotosintetiese elektronoordrag inhibeerder op die fotosistiem II reseptorveld.

## GEBRUIKSAANWYSINGS

**Gebruik slegs soos aangedui.**

**DIURON 80WG** is 'n blaar- en wortelgeabsorbeerde onkruidodder met 'n lang nawerking. Dit moet aangewend word voor ontkieming of aktiewe groei van onkruid. Reënval of besproeiing binne 'n week na toediening is nodig om die onkruidodderwerking te verbeter, alhoewel toediening op klam grond ideaal is.

**DIURON 80WG** kan ook na-opkoms van die onkruid toegedien word wanneer dit in kombinasie met ander geregistreerde onkruidodders gebruik word. Vir die beste resultate moet die onkruid egter aktief groei en in die regte groeistadium wees.

## MENGINSTRUKSIES

Maak die spuitenk halfvol met skoon water. Meng die verlangde hoeveelheid **DIURON 80WG** in 'n klein hoeveelheid skoon water om 'n gladde room te maak en gooi dit in die spuitenk deur 'n sif. Vul dan die vereiste hoeveelheid met geskikte water. Hou die produkte voortdurend in suspensie in die spuitenk deur middel van konstante roering. Moenie lugroeringstelsel gebruik nie, want skuim moet tot 'n minimum beperk word. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die spuitenk oornag te staan nie.** Spuittoerusting moet deeglik uitgespoel word aan die einde van die toediening.

## VERENIGBAARHEID

**DIURON 80WG** is verenigbaar met **MCPA 750DMAX** (L9020), **SCORCHER** (L9085), **ACETAK EC** (L6904), **BOUNTY SL** (L 7268), **BOUNTY 500 WSG** (L6698), en geregistreerde benattingsmiddels.

Moenie **DIURON 80WG** met vloeibare formulerings in 'n gekonsentreerde vorm meng nie. Wanneer **DIURON 80WG** met **Bounty SL** (7268) of **BOUNTY 500 WSG** (L6698) gekombineer word, verwys na die etikette van die produkte voor vermenging in die tenk.

Gebruik skoon water, maak die spuitenk halfvol en voeg die verlangde hoeveelheid **DIURON 80WG** soos aanbeveel by. Vul dan die tenk met water en voeg die ander vloeibare formulering, in 'n reeds verwaterde vorm, en in die volgende volgorde by: bevorderingsmiddel, suspensiekonsentraat en dan emulgeerbare konsentraat om probleme te vermy.

As **DIURON 80WG** in tenkmengsels met ander landboumiddels gebruik word, raadpleeg die onderskeie etikette van daardie spesifieke produkte.

## TOEDIENINGSMETODES

**DIURON 80 WG** moet toegedien word in 200 - 400 liter water/ha, met behulp van platwaaier- of vloedsputpunte en die spuittoerusting moet akkuraat gekalibreer word voor toediening.

## RATOENSUIKERRIET:

Vir nawerkende onkruidbeheer moet **DIURON 80WG** in 'n tenkmengsel met **HEXAZINONE 75DF** in 200-400 liter water/ha volgens die seisoen en tipe grond toegedien word. Dien toe as 'n eenvormige algehele bespuiting teen 'n voor- of baie vroeë na-opkoms stadium van die groei van onkruid. Na afloop van die na-oes bedrywighede afgehandel is, kan **HEXAZINONE 75DF** toegedien word voordat die onkruid opkom of wanneer die onkruid net opgekom het. **HEXAZINONE 75DF + DIURON 80WG** kan as na-opkoms van die onkruid toegedien word. In aktiewe groeiende gewassituasies, of na-opkoms van nuwe ratoonblare, kan behandeling skade veroorsaak as die

bespuiting nie tussen die rye gerig is nie en waar warm vogtige toestande heers. Die gevaar hiervan kan verminder word indien die bespuiting gerig word om so ver as moontlik, benatting van die riet se blare te vermy. Die breëblaaronkruid moet nie langer as 8-10 cm wees. As grasse teenwoordig is, moet die bespuiting gedoen word voor die stoelstadium of voor die gras 'n sterk wortelstelsel ontwikkel het.

#### AANBEVELINGS

GEWAS	DOSIS/ha	OPMERKINGS
<b>INDUSTRIËLE TERREINE</b>	10.0 – 30.0 kg	Dien toe in ten minste 600 ℓ water/ha saam met 'n geskikte grasdoder soos <b>Bounty SL</b> of <b>Bounty 500 WSG</b> vir die beheer van meerjarige grasse.
<b>PYNAPPELS</b> Na plant of op gevestigde plante	4.0 kg	Dien toe in ten minste 600 - 1000 ℓ water/ha as 'n kombers bespuiting onmiddellik na plant en voor-opkoms van onkruidvrye grond. Herhaalde toedienings van 2.0 kg/ha elke 4 maande is verkieslik bo 'n enkele toediening teen die volle dosis.

GEWAS	KLEI %	DOSIS/ha	OPMERKINGS
<b>SUIKERRIET</b> (Geplante suikerriet)	0-30	3.0 kg <b>DIURON 80WG</b> + 2.0 – 2.5 l <b>ACETAK EC</b>	Dien toe in ten minste 200 - 400 l water/ha as kombers bespuiting onmiddellik na plant en voor onkruid opgekrom het of na die oes. Hoër dosis: swaar onkruidbesmetting of swaarder tipe grond. Laer dosis: ligter tipe grond. As 'n herhaling benodig is, gebruik 2 kg as 'n direkte en tussenry bespuiting.
	>30	3.0 kg <b>DIURON 80WG</b> + 2.5 – 3.0 l <b>ACETAK EC</b>	
(Plant- en ratoensuikerriet)	All soil types	2.5 kg <b>DIURON 80WG</b> + 2.0 – 3.2 l <b>MCPA 750 DMAX</b> + benatter	Dien toe in ten minste 200 l water/ha as 'n vroeë na-opkoms bespuiting tussen die rye gerig. Hoër dosis: swaar onkruidbesmetting of vir minder vatbare onkruidstadiums. Vermyn benatting van blare om moontlike skade in ouer suikerrietplante te verminder.
	6-20	2.0 kg <b>DIURON 80WG</b> + <b>Metribuzin 75WG</b> 1.4-2.0 kg	<p>Voor- en vroeë na-opkoms</p> <p>Dien toe voordat die grasonkruid in die 2-3 blaarstadium en die breëblaaronkruid in die 4-6 blaarstadium is. Gebruik die hoër dosis om <i>Cyperus esculentus</i> te beheer.</p> <p>Die byvoeging van <b>Scorcher</b> soos aanbeveel in suikerriet- sal die doeltreffendheid, veral waar <i>Panicum maximum</i> 'n probleem is of ontwikkel het verby die 3-blaar stadium, maar steeds in 'n stadium voor die stoelstadium is.</p>
	21-35	2.0 kg <b>DIURON 80WG</b> + <b>Metribuzin 75WG</b> 1.7-2.0 kg	
	Alle grond tipes	2.0 kg <b>DIURON 80WG</b> + 2.0 l <b>SCORCHER</b>	
<b>SUIKERRIET</b> (Ratoenriet)  <b>Vroeë seisoen</b>	5-15	1 kg <b>DIURON 80 WG</b> + 0.5 – 0.7 kg <b>Hexazinone 75 DF</b>	Toediening voor-opkoms of vroeg na-opkoms  Gebruik altyd die laer dosis vir lig, minder absorberende gronde met 'n lae kation-uitruilvermoë. Die byvoeging van 'n geskikte geregistreerde bevorderingsmiddel sal blaarvoedingopname in voor-opkoms situasies verbeter.
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.7 - 0.9 kg <b>Hexazinone 75 DF</b>	
	>35	1.5-2.0 kg <b>DIURON 80 WG</b> + 0.8 -1.0 kg <b>Hexazinone 75 DF</b>	
<b>Middel seisoen</b>	5-15	1 kg <b>DIURON 80 WG</b> + 0.5 – 0.6 kg <b>Hexazinone 75 DF</b>	Toediening voor-opkoms of vroeg na-opkoms  Gebruik altyd die laer dosis vir lig, minder absorberende gronde met 'n lae kation-uitruilvermoë. Die byvoeging van 'n geskikte geregistreerde bevorderingsmiddel sal blaarvoedingopname in voor-opkoms situasies verbeter.
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.6 - 0.7 kg <b>Hexazinone 75 DF</b>	

	>35	1.5 - 2.0 kg <b>DIURON 80 WG</b> + 0.7 - 0.8 kg <b>Hexazinone 75 DF</b>
Laat seisoen	5-15	1 kg <b>DIURON 80 WG</b> + 0.3 – 0.4 kg <b>Hexazinone 75 DF</b>
	16-35	1 – 1.5 kg <b>DIURON 80WG</b> + 0.6 kg <b>Hexazinone 75 DF</b>
	>35	2.0 kg <b>DIURON 80 WG</b> + 0.7 kg <b>Hexazinone 75 DF</b>

**NOTAS:**

Wanneer **DIURON 80 WG** met enige ander produk gemeng word, moet die instruksies, gebruiksbepelings en waarskuwings op die etiket van daardie spesifieke produk versigtig gelees en nagekom word.

**DIURON 80 WG** of mengsels wat **DIURON 80 WG** bevat kan onder sekere omstandighede skroei of vergeling van die suikerrietblare veroorsaak. Dit is gewoonlik tydelik en die opbrengs sal nie beïnvloed word nie.

Onkruidbeheer kan swakker wees wanneer die onkruid onder stremming verkeer. Toediening moet slegs geskied tydens vogtige toestande wanneer die onkruid aktief groei.

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + MCPA 750 DMAX BEHEER WORD:**

<i>Ageratum conyzoides</i>	Indringer Ageratum
<i>Amaranthus deflexus</i>	Meerjarige Misbredie
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Arctotis leiocarpa</i> *	Karoo daisy
<i>Arctotis venusta</i>	Witgousblom
<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>	Ramenas
<i>Tagetes minuta</i>	Kakiebos
<i>Tribulus terrestris</i>	Gewone dubbeltjie
<i>Vicia hirsute</i>	Kleinperswieke
<i>Vicia sativa</i>	Breëblaarperswieke

\*Vroeë roset stadium

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + ACETAK EC BEHEER WORD:**

<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Rooi misbredie
<i>Anagallis arvensis</i>	Pimpernel
<i>Chenopodium album</i>	Withondebossie

<i>Chenopodium carinatum</i>	Brandnetel – Muurhondebossie
<i>Galinsoga parviflora</i>	Knopkruid
<i>Portulaca oleracea</i>	Porslein
<i>Schkuhria pinnata</i>	Klein kakiebos
<i>Tagetes minuta</i>	Kakiebos
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum schinzii</i>	Soetbufelsgras
<i>Setaria verticillata</i>	Klitsborselgras
<i>Urochloa panicoides</i>	Beesgras

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + METRIBUZIN 75WG BEHEER WORD:**

<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doring misbredie
<i>Amaranthus thunbergii</i>	Rooi misbredie
<i>Bidens pilosa</i>	Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Brandnetel - Muurhondebossie
<i>Hibiscus trionum</i>	Terblansbossie
<i>Plantago lanceolata</i>	Smalweëblaar
<i>Portulaca oleracea</i>	Porslein
<i>Raphanus raphanistrum</i>	Ramenas
<i>Tagetes minuta</i>	Kakiebos
<i>Urtica dioica</i>	Brandnetel
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum natalensis</i>	Natalse buffelsgras
<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Urochloa panicoides</i>	Beesgras

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + SCORCHER BEHEER WORD:**

Die meeste onkruid wat reeds ontkiem het.

Die onkruid hieronder genoem mag slegs gedeeltelik beheer word:

Meerjarige onkruid
Opslag mielies, grondboontjies en aartappels
Demonia bossie
<i>Commelina benghalensis</i>
<i>Conyza bonariensis</i>
<i>Plantago lanceolata</i>
Tuft-grasse (>15 cm diameter)

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + HEXAZINONE 75 DF BEHEER WORD:**

<i>Ageratum conyzoides</i>	Indringer ageratum
<i>Bidens pilosa</i>	Algemene Knapsekêrel
<i>Conyza albida</i>	Vaalskraalhans
<i>Cosmos bipinnata</i>	Kosmos
<i>Galinsoga parviflora</i>	Knopkruid
<i>Hibiscus trionum</i>	Terblansbossie
<i>Plantago lanceolate</i>	Smalweëblaar
<i>Portulaca oleracea</i>	Porslein
<i>Solanum mauritianum</i>	Luisboom
<i>Urtica dioica</i>	Brandnetel
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum maximum</i>	Gewone buffelsgras
<i>Panicum schinzii</i>	Soet buffelsgras
<i>Paspalum dilatatum*</i>	Kolpaspalum
<i>Setaria verticillate</i>	Klitsborselgras

\* Wisselvallige beheer. Latere opkoms van hierdie onkruid mag nie na wense beheer word nie.

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + TEBUROX BEHEER WORD:**

<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Bidens pilosa</i>	Gewone Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Hibiscus trionum</i>	Terblansbossie
<i>Plantago lanceolate</i>	Smalweëblaar
<i>Urtica dioica</i>	Brandnetel
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum natalensis</i>	Natalse buffelsgras

**ONKRUIDSOORTE WAT NORMAALWEG DEUR DIURON 80 WG + PENDULUM BEHEER WORD:**

<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Panicum natalensis</i>	Natalse buffelsgras
<i>Panicum schinzii</i>	Soet buffelsgras
<i>Setaria verticillate</i>	Klitsborselgras
<i>Urochloa panicoides</i>	Beesgras
<i>Urtica dioica</i>	Brandnetel
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Bidens pilosa</i>	Knapsekêrel
<i>Plantago lanceolata</i>	Smalweëblaar
<i>Portulaca oleracea</i>	Porslein

*Panicum maximum* (Gewone buffelsgras) kan normaalweg beheer word as die gras aktief groei voordat 4 cm in hoogte bereik word en voor die stoelstadium.

*Cyperus esculentus* (geeluintjie) kan beheer word indien die bespuiting net voor blom en onder ideale omstandighede geskied. Andersins kan wisselvallige resultate verkry word indien vroeër of gedurende koue of droë weerstoestande gespuit word.

Die beheer van *Sorghum verticilliflorum*, *Rottboellia exaltata*, *Cynodon dactylon* en *Paspalum* spp. is gewoonlik wisselvallig of onvoldoende.

Enige onkruid nie gelys, was nie teenwoordig tydens ontwikkelingsproewe nie, maar kan ook moontlik tot 'n mate beheer word. Die registrasiehouer kan nie verantwoordelikheid aanvaar vir enige ongelyste onkruid nie.



## ERKENNING VAN HANDELSMERKE

Acetak EC	(L 6904)	Meridian Agrochemical Company (Edms.) Bpk.
Bounty 500 WSG	(L 6698)	Meridian Agrochemical Company (Edms.) Bpk.
Bounty SL	(L 7268)	Meridian Agrochemical Company (Edms.) Bpk.
Hexazinone 75 DF	(L 8907)	Meridian Agrochemical Company (Edms.) Bpk.
MCPA 750 DMAX	(L 9020)	Meridian Agrochemical Company (Edms.) Bpk.
Metribuzin 75WG	(L 9011)	Meridian Agrochemical Company (Edms.) Bpk.
Scorcher	(L 9085)	Meridian Agrochemical Company (Edms.) Bpk.
Pendulum	(L 9462)	Meridian Agrochemical Company (Edms.) Bpk.