

Herbicide



BULLET®

A suspension concentrate herbicide with safener for pre- and early post emerge control of annual weeds in maize.

contains:

Acetochlor (chloroacetanilide)

Atrazine (triazine)

Terbutylazine (triazine)

20 l



GROUP K3 C1 HERBICIDES

RSA/0626/Bullet 20L/Front Label
ZA87263703C

Herbicide

BULLET®

SEE ENCLOSED PAMPHLET FOR FULL PARTICULARS
BEFORE USING THIS PRODUCT PLEASE READ THE LABEL CAREFULLY

Reg. No. L5623 (Act No. 36 of 1947)
Namibian Reg No. N-AR 0096
Botswana Reg. No. W1301761 (Act. No. 18 of 1999)

**A suspension concentrate herbicide with safener for
pre- and early post emerge control of annual weeds in
maize.**

SIEN INGESLOTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

Reg. Nr. L5623 (Wet Nr.36 van 1947)
Namibiese Reg. Nr. N-AR 0096

**'n Suspensie konsentraat onkruiddoder met
beveiliging vir voor- en na-opkoms beheer van
eenjarige onkruid in mielies.**

GROUP / GROEP K3 C1 HERBICIDES / ONKRUIDDODERS



WARNING

HAZARD STATEMENTS:

May cause an allergic skin reaction.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Do not breathe gas/ mist/ vapours/ spray.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Active ingredients:

Acetochlor (chloroacetanilide)..... 250 g/l
Atrazine (triazine)..... 225 g/l
Terbutylazine (triazine)..... 225 g/l

Aktiewe bestanddele:

Acetochloor (chloroasetanilied)..... 250 g/l
Atrisien (triasien)..... 225 g/l
Terbutilasien (triasien)..... 225 g/l

REGISTERED BY / GEREGISTREER DEUR:

Bayer (Pty) Ltd / (Edms) Bpk
Reg. 1968/011192/07
P.O. Box/Posbus 143, Isando, 1600
South Africa/Suid-Afrika
Tel. No. / Nr. (OFFICE HOURS) / (KANTOORURE): +27 (11) 921 5911

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL ASSEBLIEF: 0861 555 777

Bullet® is a registered trademark of Monsanto Technology LLC

Bullet® is 'n geregistreerde handelsmerk van Monsanto Technology LLC

© Bayer (Pty) Ltd

BATCH NUMBER / LOTNOMMER: See on pack

DATE OF MANUFACTURE / DATUM VERVAARDIG: Sien op houer

UN No. / VN Nr.: 3082

+



Bayer

RSA/0626/Bullet 20L/Back Booklet Label
Code: ZA87307697F

WARNINGS:

HAZARD STATEMENTS:

- May cause an allergic skin reaction.
- May cause respiratory irritation.
- May cause damage to organs (kidney, liver, heart) through prolonged or repeated exposure.
- Suspected of causing cancer.
- Very toxic to aquatic life with long lasting effects.

Handle with care.

Store in a cool place away from food, feed, seed, fertilizer and other agricultural remedies.

Keep out of reach of children, uninformed persons and animals.

Abnormally cold and wet conditions after spraying but during crop emergence may lead to transient development of symptoms and possible crop damage.

RE-ENTRY: Do not enter treated area within 12 hours of spraying unless wearing protective clothing.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFICACIOUS UNDER ALL CONDITIONS BECAUSE THE ACTION AND EFFECT THEREOF MAY BE AFFECTED BY FACTORS SUCH AS ABNORMAL SOIL, CLIMATIC AND STORAGE CONDITIONS, QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE WEEDS TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Do not breathe gas/ mist/ vapours/ spray.
- Wear protective gloves/ protective clothing/ eye protection/ face protection.

Do not smoke, eat or drink while using, or before washing and change of clothing.

Prevent drift and/or contamination onto any crops, grazing, rivers, dams or any other areas not under treatment.

Prevent contamination of drinking water, eating utensils, food, feedstuff, seed, fertilizers and other agricultural chemicals.

The container is rinsed by filling one quarter to one-third with clean water, replacing the cap and shaking vigorously for 30 seconds. The rinse is then added to the contents of the spray tank. This rinsing procedure is repeated a further two times (i.e. three times in all) with a final draining into the spray tank. Rinsed containers should then be punctured and stored safely with their caps off until they can be properly disposed of.

Do not re-use the empty container for any other purpose.

Do not mix and load within at least 60m from dams.

Ensure that no back-siphoning to boreholes or dams takes place when product is applied through the irrigation system.

RELEVANT SUBSTANCES:

Component	Concentration (%)
Acetochlor	22.5
Atrazine	20
Terbutylazine	20
Furilazole	1
Tributyl phenol polyglycol ether	5

FIRST AID MEASURES:

General: Remove the person to a well- ventilated room or to fresh air. In case of suspected poisoning call a physician.

Skin contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

Eye contact: Rinse eyes with clean water for several minutes.

Inhalation: Immediately remove to fresh air.

Ingestion: Obtain immediate medical advice. Do not induce vomiting unless instructed.

MEDICAL INSTRUCTIONS:
Antidote: No known antidote.
Apply symptomatic therapy.

RESISTANCE WARNING:
For resistance management, **BULLET** is a group code K3 and C1 herbicide. Any weed population may contain individuals naturally resistant to **BULLET** and other group code K3 and 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 **BULLET** or any other group code K3 and 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] in weed control programmes.

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

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

GENERAL INFORMATION

- Do **NOT** apply **BULLET** to seed-maize or inbred parent plants of maize hybrids, nor onto experimental or newly released cultivars without referring to the manufacturer and seed suppliers before application.
- Flood irrigation can reduce weed control performance.
- Optimum weed control is obtained on a fine, even seedbed, free of weeds, trash and clods. However, **BULLET** will give weed control in stubble mulch or minimum tillage conditions.
- Before using **BULLET** in combination with other herbicides, read the labels and adhere to label recommendations and restrictions. A physical compatibility test should always be carried out prior to application.

RESTRICTIONS OF USE:
To prevent damage to follow-up crops the following waiting periods must be heeded;

Maize and sugarcane	None
Grain sorghum	12 months
Potatoes, dry beans, groundnuts, potatoes, small grain, soybeans, sunflower and fodder sorghum	18 months
All other crops (a test planting is recommended)	24 months

N.B.: The above mentioned waiting periods are valid only if the correct dosage rate according to soil type was applied and normal or above average rainfall occurred after application.

* When applied on soils which expand on wetting and crack or crumble on drying out the triazine will remain much longer active in the soil, resulting in longer waiting periods. Poor weed control may also be experienced when applied pre-emergence.

MIXING INSTRUCTIONS:
When mixing **BULLET** with other herbicides or using in a program spray, read the labels of all the involved products and adhere to the manufacturer's recommendations.
Shake container well before use. Close container securely after use.
When mixing **BULLET** with other registered herbicides, use the following mixing procedure chronologically:

- a. Fill spray tank to three-quarters with clean water. Add the required amount of **BULLET** to the water through a 50 mesh sieve whilst stirring.
- b. Continue filling the spray tank with water and add the required amount of **GUARDIAN** as a tank mix just before the tank is filled to its full level.
- c. Ensure thorough agitation of the mixture in the tank during mixing and spraying.
- d. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.
- e. Thoroughly flush out and clean spraying equipment at the end of the spraying operation.

APPLICATION INFORMATION:
Ensure that spray equipment is accurately calibrated and regularly checked before and during the spraying operation.
10 - 15 mm rain within 7 to 10 days after application is necessary for good weed control.
For optimum weed control, seedbed preparation should take place within 3 days before planting. Followed immediately by the **BULLET** application, 10 - 15 mm rain or irrigation within 3 days to wash the herbicide into the zone of germinating weeds will ensure optimum weed control. Under dry conditions, weed seedlings may emerge. These are usually stunted and can be controlled with either a shallow cultivation, which also mixes the herbicide with the top 10 - 20 mm of soil, or with a recommended post-emerge herbicide treatment.
Any cultivation after application may reduce weed control especially if untreated soil is brought to the surface.
If soil crusting becomes a problem apply a rotary harrow in the same direction the rows are planted, to assist maize emergence.
Ensure that sufficient fertilizer is placed near the seed at planting to promote vigorous seedling growth. This is especially important with early planting when the soil temperature is relatively low accompanied by continuous moist conditions.
Use 100 - 300 L/ha total spray volume for overall ground application.
Dosage rates and spray volumes should be adjusted accordingly for on the row band treatments.

Pre-emergence

Apply **BULLET** or tank mixtures thereof in maize at planting or immediately after planting. Do not apply later than three days after last cultivation and planting. Cultivation before application.

Post emergence

For early post emergence application broadleaf weeds must not be larger than the 4-leaf stage. If broadleaf weeds have developed beyond the 4-leaf stage or grasses are present, the weeds must first be destroyed by a cultivation before the application.

APPLICATION TABLE:

CROP	APPLICATION RATE PER HECTARE		
MAIZE	The control of certain broadleaf weeds and annual grasses where crab finger grass (<i>Digitaria sanguinalis</i>) is a problem (Table 1)		
	Clay %	BULLET L/Ha	
	0 – 10	1,8 – 2,25	
	11 – 15	2,25 – 2,75	
	16 – 20	2,75 – 3,5	
	21 – 30	3,5 – 4,25	
	31 – 40	4,0 – 5,0	
	> 40	Not recommended	
	The control of annual grasses, certain broadleaf weeds and suppression of yellow nutsedge (<i>Cyperus esculentus</i>) (Table 2)		
	Clay %	BULLET L/Ha	Guardian L/Ha
	0 – 10	2,25	0,5
	11 – 15	2,75	0,6
	16 – 20	3,75	0,7
	21 – 30	4,25	0,8
	31 – 40	5,0	0,8
	> 40	Not recommended	
Use the higher dosage rate for high infestations of			
• <i>Datura ferox</i> (large thorn apple) • <i>Datura stramonium</i> (common thorn apple) • <i>Digitaria sanguinalis</i> (crab fingergrass) • <i>Tagetes minuta</i> (tall khakiweed) • and light infestations of <i>Cyperus esculentus</i> (yellow nutsedge)			

WEEDS CONTROLLED BY BULLET:

GRASSES

<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Chloris virgata</i>	Feathertop chloris
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Eleusine indica</i>	Goose grass
<i>Fimbristylis</i> spp. ³	Slender biesie
<i>Panicum maximum</i> ³	Common buffalo grass
<i>Panicum schinzii</i> ³	Sweet buffalo grass
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Setaria verticillata</i> ³	Sticky bristle grass
<i>Tragus berteronianus</i> ³	Small carrotseed grass
<i>Tragus racemosus</i> ³	Large carrotseed grass
<i>Urochloa brachyuran</i> ³	Garden grass
<i>Urochloa mosambicensis</i> ³	Bosveld beesgrass
<i>Urochloa panicoides</i>	Herringbone grass

Since **BULLET** controls annual grasses, other annual grasses that are not listed may be controlled to a greater or lesser degree. The registration holder does not accept any liability in respect of the control of unlisted weeds.

BROADLEAF WEEDS

<i>Acanthospermum australe</i>	Eight-seeded prostrate starbur
<i>Acanthospermum glabratum</i>	Five-seeded prostrate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<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 bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i> ¹	Cosmos
<i>Bidens pilosa</i>	Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Cleome rubella</i>	Pretty lady
<i>Commelina benghalensis</i> ¹	Bengal wandering jew
<i>Crotalaria sphaerocarpa</i>	Mielie crotalaria
<i>Cucumis myriocarpus</i> ²	Striped wild cucumber
<i>Cyperus esculentus</i> ⁴	Yellow nutsedge
<i>Datura</i> spp. ¹	Thorn apple (early germinating only)
<i>Galinsoega parviflora</i>	Gallant soldier
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus cannabinus</i> ¹	Kenaf
<i>Hibiscus trionum</i>	Bladder weed
<i>Ipomoea purpurea</i> ²	Common morning glory
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brasiliensis</i>	Tropical richardia

BROADLEAF WEEDS (cont.)

<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Sonchus oleraceus</i>	Sowthistle
<i>Tagetes minuta</i>	Khakiweed
<i>Tribulus terrestris</i> ²	Dubbeltjie
<i>Xanthium strumarium</i> ²	Cocklebur

¹ Weeds controlled with the higher rates in the given range.
² Additional weeds controlled by post emergence application.
³ Grasses controlled with the addition of **GUARDIAN** as indicated on the label.
⁴ Controlled variably.

- The control of *Cyperus esculentus* is dependent on the following:
- Where a dosage choice is given, the higher rate should be used.
 - Planting must be preceded by a deep ploughing.
 - See application rates for more detail.
 - Refer to the **Roundup® PowerMax** Label for effective control of *Cyperus esculentus* in **Roundup Ready Maize**.

The following trademarks and registrations under Act No 36 of 1947 are acknowledged:

<u>Product</u>	<u>Reg. No.</u>	<u>Registration holder</u>
GUARDIAN	L4862	Bayer AG
ROUNDUP POWERMAX	L7769	Bayer AG

© Bayer (Pty) Ltd. All unauthorised reproduction of this label is forbidden.

WAARSKUWINGS:

GEVAARVERKLARINGS:

- Mag allergiese velreaksie veroorsaak.
- Mag lugwegirritasie veroorsaak.
- Mag skade aan organe (niers, lewer, hart) veroorsaak deur langdurige en herhaaldelike blootstelling.
- Vermoede dat dit kanker veroorsaak.
- Baie giftig vir waterlewende organismes met langdurige gevolge.

Hanteer versigtig.
Bewaar die middel weg van voedsel, voer, saad, kunsmis en ander landboumiddels.
Hou buite bereik van kinders, oningeligte persone en diere.
Buitensporige koue en nat toestande na toediening gedurende gewasopkoms kan tydelike simptome en moontlike gewasskade veroorsaak.
HERBETREDINGSPERIODE: Moenie bespuitte areas betree binne 12 ure na bespuiting tensy beskermde klere gedra word.

ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSKEIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOUER NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEÏNVLOED KAN WORD DEUR FAKTORE SOOS ABNORMALE GROND-, KLIMAATS- EN BERGINGSTOESTANDE, KWALITEIT VAN VERDUNNINGSWATER, VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE ONKRUIDE 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 VAN DIE GEBRUIKER OM ETIKETAANWYSINGS NA TE KOM OF AS GEVOLG VAN DIE ONTSTAAN VAN DIE TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.

VOORSORGMATREËLS:

VOORSORGSVERKLARINGS:

- Moet nie gas/stuifsel/dampe/spuitstof inasem nie.
- Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming.

Moenie eet, drink of rook tydens gebruik of daarna, alvorens deeglik gewas en skoon klere aangetrek is nie.
Voorkom wegdrywing en/of besoedeling van enige gewasse, weiding, riviere, damme en enige ander gebiede wat nie behandel word nie.
Moenie drinkwater, eetgerei, voedsel, voer, saad, kunsmis en enige ander landbouchemikalieë besoedel nie.
Spoel die leë houters driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuitjenk. Vernietig die houer daarna deur dit vol gate te steek.
Moenie leë houer vir enige ander doel gebruik nie.
Moenie meng en laai nader as minstens 60 m weg vanaf damme nie.
Verseker dat geen terugsyfering na boorgate of damme plaasvind wanneer die produk deur 'n besproeiingstelsel toegedien word nie.

RELEVANTE STOWWE:

Component	Concentration (%)
Acetochlor	22.5
Atrazine	20
Terbuthylazine	20
Furilazole	1
Tributyl phenol polyglycol ether	5

NOODHULPMATREËLS:

Algemeen: Verwyder die persoon na 'n goed geventileerde kamer of vars lug.
Velkontak: Verwyder gekontamineerde klere en was liggaamsdele deeglik met seep en water.
Oogkontak: Spoel oë met skoon water.
Inaseming: Verwyder dadelik na area metvars lug.
Inname: Verkry onmiddellike mediese advies.

MEDIESE INSTRUKSIES:

Geen teenmiddel is bekend.
Behandel simptome.

WEERSTANDSWAARSKUING:

BULLET is 'n groepkode K3+C1 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **BULLET**, of enige ander groepkode K3+C1 onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **BULLET** of enige ander groepkode K3+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 tenkmengsels van produkte in verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidodderprogramme.

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

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

ALGEMENE INLIGTING

- **Moenie BULLET** op saadmielies of ingeteelde oerplante van meliebasters of op eksperimentele of nuut vrygestelde kultivars gebruik alvorens die vervaardiger en die saadverspreider geraadpleeg is nie.
- Vloedbesproeiing mag lei tot verminderde onkruidbeheer.
- Optimale onkruidbeheer word verkry op 'n fyn, gelyk saadbed wat vry van kluitte, onkruid en plantreste is. **BULLET** sal ook onkruidbeheer waar verminderde of deklaagbewerking toegepas word.
- Alvorens **BULLET** met ander middels gemeng word moet die etiket van die betrokke middel gelees en enige beperkings en aanbevelings nagekom word. 'n Fisiese mengbaarheidstoets behoort voor elke bespuiting gedoen te word.

GEBRUIKSBEPERKINGS:

Om skade aan opvolgewasse (deur triasien-onkruidodders) te voorkom, moet die volgende wagperiodes nagekom word:

Mielies en suikerriet	Geen
Graansorghum	12 maande
Aartappels, droëbone, grondbone, kleingraan, sojabone, sonneblom en voersorghum	18 maande
Alle ander gewasse ('n toetsaanplanting word aanbeveel):	24 maande

L.W.: Bogenoemde wagperiodes geld slegs indien die aanbevole dosisse volgens grondtipe toegedien is, gevolg deur 'n normale of bogenommelde reënval na toediening.

* Toediening op gronde wat uitsit by natwording en kraak of krummel by uitdroging, mag tot gevolg hê dat die triasien veel langer aktief bly in die grond wat gevolglik dié wagperiodes verleng. Vooropkomsbehandeling op sulke gronde mag ook swak onkruidbeheer tot gevolg hê.

MENGINSTRUKSIES:

Wanneer **BULLET** met ander onkruidodders vermeng of in programbespuiting gebruik word, moet die etikette van alle betrokke produkte sorgvuldig gelees en die vervaardiger se aanbevelings nagekom word.

Skud die houër deeglik voor gebruik. Maak dig toe na gebruik.

Indien **BULLET** met enige ander geregistreerde onkruidodder vermeng word, moet die volgende prosedure kronologies gevolg word:

- Maak die spuittenk driekwart vol met skoon water en voeg die verlangde hoeveelheid **BULLET** deur 'n 50 maas sif by, terwyl daar gedurig geroer word.
- Maak die spuittenk nou amper vol met water en voeg die verlangde volume ander onkruidodder, bv. **GUARDIAN**, by as tenkmengsel. Vul nou die res van die tenk met water.
- Verseker dat die mengsel gedurende vulgings en tydens bespuiting deurgaans geroer word. Wanneer 'n rugsakspuit gebruik word, moet dit deeglik geskud word voor bespuiting.
- Tenkmengsels moet deeglik uitgespuit word en nie oormag in die spuittenk gelaat word nie.
- Spuittoerusting moet deeglik na toediening uitgespoel word.

TOEDIENINGSINLIGTING:

Sorg dat die toedieningsapparaat korrek gekalibreer is en gereeld nagegaan word voor en tydens toediening.

10 - 15 mm reën binne 7 - 10 dae na toediening is nodig vir goeie onkruidbeheer.

Vir optimale onkruidbeheer moet die saadbed binne 3 dae voor plant voorberei word. Dien **BULLET** onmiddellik of binne 3 dae na plant toe.

10-15 mm reën of besproeiing is binne 3 dae na toediening nodig om die onkruidodder in die ontkiemingsone van die onkruidsaad in te was. Onder droë toestande mag onkruidsaailinge opkom, maar hulle is gewoonlik verpot en kan vernietig word met 'n vlak bewerking wat terselfertyd die onkruidodder met die boonste 10-20 mm grondlaag vermeng, of dit kan vernietig word met 'n bespuiting met 'n geregistreerde naopkomsonkruidodder.

Enige bewerking na toediening mag onkruidbeheer benadeel veral as onbehandelde grond na die oppervlak gebring word.

Indien korsvorming 'n probleem word, moet 'n roltandeg in dieselfde rigting as die plantrye gebruik word om die ontkieming van die mielies te bevorder. Sorg dat voldoende kunsmis met plant naby die saad geplaas word om kragtige saailinggroei te bevorder. Dit is veral van belang waar vroeg geplant word terwyl die grondtemperatuur relatief laag is, gepaardgaande met 'n aaneenlopende vogtige klimaat. Gebruik 100 - 300 L/ha van die spuitmengsel vir algehele grondtoediening. Toedieningshoeveelhede en spuitvolumes moet vir strookbehandelings diensooreenkomstig aangepas word.

Voor opkoms

BULLET of tenkmengsels daarvan moet verkieslik met plant, of onmiddellik na plant by mielies toegedien word. Moenie later as drie dae na die laaste grondbewerking en drie dae na plant toedien nie.

Na-opkoms

Indien toegedien word as 'n naopkomsbehandeling moet die breëblaaronkruid kleiner as die 4-blaarstadium wees. Indien grasse voorkom en die breëblaaronkruid groter as die 4-blaarstadium is, of grasse voorkom, moet die onkruid eers met 'n skoffelbewerking vernietig word voor bespuiting.

TOEDIENINGSHOEVEELHEDE:

GEWAS	TOEDIENINGSHOEVEELHEDE PER HEKTAAR		
MIELIES	Die beheer van sekere breëblaaronkruid en eenjarige grasse waar Kruisingergras (<i>Digitaria sanguinalis</i>) 'n probleem is (Tabel 1)		
	Klei %	BULLET L/Ha	
	0 – 10	1,8 – 2,25	
	11 – 15	2,25 – 2,75	
	16 – 20	2,75 – 3,5	
	21 – 30	3,5 – 4,25	
	31 – 40	4,0 – 5,0	
	> 40	Nie aanbeveel nie	
	Die beheer van eenjarige grasse, sekere breëblaaronkruid en Geeluintjies (<i>Cyperus esculentus</i>) (Tabel 2)		
	Klei %	BULLET L/Ha	Guardian L/Ha
	0 – 10	2,25	0,5
	11 – 15	2,75	0,6
	16 – 20	3,75	0,7
	21 – 30	4,25	0,8
	31 – 40	5,0	0,8
	> 40	Nie aanbeveel nie	

- Gebruik die hoër dosis vir hoë besmettings van:
- *Datura ferox* (Grootstinkblaar)
 - *Datura stramonium* (Gewone stinkblaar)
 - *Digitaria sanguinalis* (Kruisingergras)
 - *Tagetes minuta* (Langkakieboos)
 - En ligte besmettings van *Cyperus esculentus* (Geeluintjie)

ONKRUID WAT DEUR BULLET BEHEER WORD:

GRASSE

<i>Brachiaria eruciformis</i>	Litjiessinjaalgras
<i>Chloris virgata</i>	Witpluimchloë
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine indica</i>	Jongosgras
<i>Fimbristylis</i> spp. ³	Biesie
<i>Panicum maximum</i> ³	Gewone buffelsgras
<i>Panicum schinzii</i> ³	Soetbuffelsgras
<i>Setaria pallide-fusca</i>	Rooiborselsaadgras
<i>Setaria verticillata</i> ³	Klitsborselgras
<i>Tragus berteronianus</i> ³	Kleinwortelsaadgras
<i>Tragus racemosus</i> ³	Grootwortelsaadgras
<i>Urochloa brachyuran</i> ³	Tuingras
<i>Urochloa mosambicensis</i> ³	Bosveld beesgras
<i>Urochloa panicoides</i>	Beesgras

Aangesien **BULLET** eenjarige grasse beheer, kan ander eenjarige grasse wat nie gelys is nie, ook tot 'n mindere of meerdere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid t.o.v. ongelyste onkruiden nie.

BREËBLAARONKRUID

<i>Acanthospermum australe</i>	Agtsadige kruipsterklits
<i>Acanthospermum glabratum</i>	Vyfsadige kruipsterklits
<i>Acanthospermum hispidum</i>	Regopsterklits
<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Bidens formosa</i> ¹	Kosmos
<i>Bidens pilosa</i>	Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Groenhondebossie
<i>Cleome monophylla</i>	Rusperbosse
<i>Cleome rubella</i>	Mooinooientjie
<i>Commelina benghalensis</i> ¹	Bengaalse wandelende jood
<i>Crotalaria sphaerocarpa</i> ²	Mielie crotalaria
<i>Cucumis myriocarpus</i> ²	Wildekommerr
<i>Cyperus esculentus</i> ⁴	Geeluintjie
<i>Datura</i> spp.	Stinkblaar (alleenlik vroeg ontkiemend)
<i>Galinsoga parviflora</i>	Knopkruid
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus cannabinus</i> ¹	Wildestokroos
<i>Hibiscus trionum</i>	Terblansbossie
<i>Ipomoea purpurea</i> ²	Purperwinde
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Physalis angulata</i>	Wilde-appelliefie
<i>Portulaca oleracea</i>	Porselein
<i>Richardia brasiliensis</i>	Tropiese richardia
<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Sonchus oleraceus</i>	Sydissel
<i>Tagetes minuta</i>	Kakiebos
<i>Tribulus terrestris</i> ²	Dubbeltjie
<i>Xanthium strumarium</i> ²	Kankerroos

¹ Onkruid wat deur die hoër dosis in die reeks beheer word.

² Addisionele onkruid beheer deur na-opkomstoediening.

³ Grasse wat beheer word met die toevoeging van **GUARDIAN** soos aangedui op die etiket.

⁴ Wisselvallige beheer.

Die beheer van *Cyperus esculentus* is afhanklik van die volgende:

- Waar die dosiskeuse aangebied word, moet die hoër dosis gebruik word.
- 'n Diepbewerking moet die plantproses voorafgaan.
- Sien toedieningshoeveelhede vir meer besonderhede
- Verwys na die **Roundup® PowerMax** etiket vir effektiewe beheer van *Cyperus esculentus* in **Roundup Ready Maize**.

Die volgende handelsmerke en registrasies onder Wet 36 van 1947 word erken:

<u>Produk</u>	<u>Reg. Nr.</u>	<u>Registrasiehouer</u>
GUARDIAN	L4862	Bayer AG
ROUNDUP POWERMAX	L7769	Bayer AG

© Bayer (Edms.) Bpk. Alle ongemagtigde reproduksie van hierdie etiket word verbied.