

WARNINGS

Poisonous if swallowed. Can be toxic to fish. Store in cool dry place. Store away from food, feeds, seed, fertilizers and other agricultural chemicals.

FLAMMABLE - Keep away from flames. Keep out of reach of children, animals and uninformed persons.

AERIAL APPLICATION: Notify all inhabitants in the immediate vicinity of the area to be sprayed, and issue the necessary warnings.

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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and 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

Do not breathe fumes or spray mist. Wear rubber gloves when handling. In case of accidental contact with skin or eyes, wash immediately with plenty of water and in the case of eyes, get medical attention, if necessary. Do not smoke, eat, or drink while using, or before washing and change of clothing. Prevent contamination of food, feeds, drinking water and eating utensils. Prevent drift and/or contamination onto susceptible or edible crops, grazing, rivers, dams or any other areas not under treatment.

IMPORTANT: RINSING OF CONTAINER - TRIPLE RINSE: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add rinsings to the contents of the spray tank before destroying the container. Do not re-use empty container for any other purpose.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

GENERAL INFORMATION

Ensure accurately calibrated equipment.

A deep ploughing, just prior to planting is essential for:

- (a) Improved control of *Cyperus esculentus* (yellow nutsedge) (See paragraph on VARIABLE WEED CONTROL at the end of this label.)
- (b) Breaking of compaction layers which could lead to waterlogged soil and subsequent possible damage to maize following heavy rains.

Prepare a fine even seedbed, free of weeds trash and clods.

Do not apply **GAP ALACHLOR** to inbred parent plants of maize hybrids or onto experimental or newly released cultivars without first referring to the manufacturers or seed suppliers.

Do not apply to poorly drained soils. Water logging in the presence of herbicides could cause stand reduction and/or stunted growth.

Do not apply **GAP ALACHLOR** to sandy soils.

Before using **GAP ALACHLOR** in combination with other herbicides, read the labels and adhere to label recommendations.

Flood irrigations can reduce weed control efficacy.

MIXING INSTRUCTIONS

Shake container well before use. Close container securely after use.

To a spray tank half filled with clean water, add the required amount of **GAP ALACHLOR** while maintaining agitation. Complete filling operation.

When mixing **GAP ALACHLOR** with other herbicides, use the following procedure:

- (a) Fill spray tank three quarters with clean water. Add required amount of complementary herbicide to the water agitating continuously.
- (b) Add **GAP ALACHLOR** just before the tank is filled to its full level.
- (c) Ensure thorough agitation of the mixture in the tank during mixture and spraying.
- (d) Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.
- (e) Thoroughly flush out spraying equipment at the end of the spraying operation.

APPLICATION

Apply **GAP ALACHLOR** with planting or immediately after planting, but not later than two days after planting. Use 200 l/ha total mix for overall ground application and 30 to 40 l/ha for aerial application.

Between 5 and 15 mm rain within seven to ten days after application is necessary for good results. Under dry conditions, weed seedlings may emerge. These are usually stunted and can be controlled with a shallow cultivation, which also mixes the herbicides with the top 10 to 20 mm of soil.

If soil crusting becomes a problem, rotary harrow in the same direction than the rows are planted, to assist maize germination. Harrowing after application may reduce weed control if untreated soil is thrown into deep planter furrows.

GAP

GENERAL AGRICULTURAL PRODUCTS

CHEMICALS (PTY) LTD

2005/011761/07

ALACHLOR

Registration No. L5949 Act No. 36 of 1947

Registrasie Nr. L5949 Wet Nr. 36 van 1947

A pre-emergence emulsifiable concentrate weedkiller for the control of most annual grasses and certain broadleaf weeds in maize, sweetcorn, ground nuts, soyabeans, dry beans, sunflower, transplanted cabbage, broccoli, brussel sprouts, potatoes, sugarcane and pineapples.

'n Vooropkom emulgeerbare konsentraat onkruidoder vir die beheer van die meeste eenjarige grasse en seker breeblaar-onkruid in mielies, suikermielies, grondbone, sojabone, droëbone, sonneblomme, aartapels, pynappels, uitgeplante kopkool, brokkoli, spruitkool en suikerriet.

HRAC HERBICIDE GROUP CODE

15

HRAC ONKRUIDDODER GROEP KODE

Active ingredient:

Alachlor (acetanilide)

384 g/l

Aktiewe bestanddeel:

Alachlor (asetanilied)

Registered by: / Geregistreer deur:

GAP CHEMICALS (PTY) LTD, Reg. Nr.: 2005/011761/07

61 Marshall Drive, Old Mill Industrial Park, Mount Edgecombe 4300 • Tel: 031 003 3486

| | | |
|---------------------|---|-------------------------|
| BATCH No. | | LOT Nr. |
| DATE OF MANUFACTURE | | DATUM VAN VERVAARDIGING |
| CONTENTS | L | INHOUD |
| UN 3082 | | |



HARMFUL/
SKADELIK



Ensure that sufficient fertilizer is placed near the seed at planting to promote vigorous seedling growth.
Ensure equipment is accurately calibrated and regularly checked before and during application.

FOR AERIAL APPLICATION

Ensure that the final spray deposit on the ground equals the recommended application rate and that the distribution of the material over the swath width is uniform.
GAP ALACHLOR must not be applied from the air to maize.

APPLICATION RATES

A. MAIZE

Pre-emergence to crop and weed.

Application to be made at planting or not later than two days after planting. Use the correct rates for different row and band widths

To increase the spectrum of broadleaf weeds controlled in maize, only tank mixtures with Atrazine suspension concentrates are recommended.

| % SOIL CLAY | GAP ALACHLOR (ℓ/ha) | ATRAZINE 500 SC (ℓ/ha) | REMARKS |
|-------------|---------------------|------------------------|--|
| 0 - 10 | 4.0* | 1.75 - 2.25 | When a short soil persistence is required in view of follow-up crops, use only 1.5 ℓ/ha Atrazine SC on soils up to 35% clay and 2 ℓ/ha Atrazine SC on soils over 35% clay. |
| 11 - 16 | 4.0* | 2.25 | |
| 17 - 20 | 4.5 | 2.75 - 3.25 | |
| 21 - 35 | 5.0 | 4.0 | |
| 35 | 5.0 | | |

NOTE (*): On soils of 0 to 10% clay in the Northwest and northern Free State use the recommendations below.

FOR SPECIAL ANNUAL GRASS AND BROADLEAF WEED CONTROL IN MAIZE

For use on soils of 0 to 20% clay only (including soils of 0 to 10% clay in Northwest and northern Free State).

Apply the required **GAP ALACHLOR** rate post planting of the crop and pre-emergence of the crop and weeds either in a tank mix with the required Atrazine SC rate or alone followed by Atrazine SC applied early post-emergence of the weeds according to the manufacture label recommendations.

| GAP ALACHLOR (ℓ/ha) | ATRAZINE 500 SC (ℓ/ha) | WEED SPECIES |
|--|--------------------------------------|--|
| 2.0 * | 2.5 - 3.25 Depending on soil type | <i>Eleusine indica</i> (Goose grass) <i>Chloris virgata</i> (Feather top Chloris) <i>Digitaria sanguinalis</i> (Crab finger grass) ** |
| 3.0 * | 2.5 - 3.25 Depending on soil type | <i>Urochloa panicoides</i> (Garden urochloa) <i>Panicum schinzii</i> (Sweet buffalo grass) |
| NOTE: | | |
| (*) Nutsedge (<i>Cyperus esculentus</i>) will not be controlled at these rates. | | |
| (**) In areas of known high <i>Digitaria sanguinalis</i> (crab grass) infestations it is recommended to use GAP ALACHLOR at 4.0 to 5.0 ℓ/ha in a tank mix with Atrazine SC as recommended (excluding Soils of 0 - 10% clay in the Northwest and northern Free State). | | |

For soils over 20% clay, use **GAP ALACHLOR** at 5.0 ℓ/ha as recommended above.

Apply **GAP ALACHLOR** at 3.0 ℓ/ha in a tank mix with Atrazine SC according to the above recommendations up to 4 weeks after planting the maize.

Emerged weeds should be destroyed with a shallow cultivation (less than 3 cm deep) prior to the **GAP ALACHLOR** plus Atrazine SC treatment.

Where the crop has emerged, spraying should be directed between the crop rows and not over the crop.

Do not apply **GAP ALACHLOR** treatment in under 200 ℓ water per ha. Do not apply by aircraft to maize.

NOTE: Atrazine SC tank-mixed with **GAP ALACHLOR** results in soil persistent residue.

Do not plant Atrazine sensitive crops before the time stated on the Atrazine SC label.

However, if the rate of Atrazine SC used was 1.5 ℓ/ha, then the waiting period is only 6 months and if 2.0 ℓ/ha is used the waiting period is 9 months, for the following crops:

| | | | |
|---------------|----------------|-----------|------------|
| Grain sorghum | Forage sorghum | Sunflower | Groundnuts |
| Soyabeans | Potatoes | Dry beans | Cereals |

If **GAP ALACHLOR** plus Atrazine SC tank mixtures are applied onto turf soils (soils which expand when wet and crack when dry), then the Atrazine SC may remain active much longer in the soils than the abovementioned waiting periods.

Do not use **GAP ALACHLOR** plus Atrazine SC tank mixtures on these soils if it is anticipated that an Atrazine SC sensitive crop is to be planted in rotation.

B. SWEETCORN

GAP ALACHLOR can be applied as a post plant pre-emergence treatment. Sweetcorn cultivars exhibit a wide variation in tolerance of **GAP ALACHLOR** and only those cultivars known to be tolerant should be treated. Consult your seed supplier and/or representative before treating sweetcorn with **GAP ALACHLOR**.

| % CLAY | DOSAGE GAP ALACHLOR (ℓ/ha) |
|---------------|-----------------------------------|
| 0 - 10 | Not recommended |
| 11 - 15 | 4.0 |
| 16 - 20 | 4.5 |
| 21 - 35 | 5.0 |
| > 35 | Not recommended |

C. SUGARCANE

Pre-emergence in respect of weeds.

Apply 5.0 to 6.0 ℓ/ha; if *Panicum maximum* (from seed only) is expected to be a major problem, use the higher rate.

For the control of a broad spectrum of broadleaf weeds and annual grasses, MCPA, Atrazine SC, Diuron 800 SC or Ametryn 500 SC can be added to the above rates of **GAP ALACHLOR** as follows:

| PRODUCT | DOSAGE |
|-------------------------------|---|
| MCPA (potassium salts) 400g/l | 4.0 ℓ/ha |
| Atrazine 500 SC | 2.0 ℓ/ha - sandy to sandy clay loam soil (up to 35% clay) |
| Atrazine 500 SC | 3.0 ℓ/ha - sandy clays to heavier clay (above 35% clay) |
| Diuron 800 SC | 2.0 ℓ/ha - 4 ℓ/ha |
| Ametryn 500 SC | 2.0 ℓ/ha - 3 ℓ/ha |

Early post-emergence in respect of weeds.

GAP ALACHLOR combinations for plant and ratoon cane

| | |
|---|---|
| Very early post-emergence of weeds / ha | 6 ℓ ALACHLOR + 2 - 3 ℓ Atrazine S.C. + 1 - 2 ℓ GRAMOXONE* |
| NOTE: (*) Apply GRAMOXONE before the second leaf has unfurled. | |

D. POTATOES

Pre-emergence in respect of weeds.

Apply 4.0 to 5.0 ℓ/ha: Unless irrigated; apply pre-emergence to potatoes and weeds, after the first summer rains. Use the lower rate on lighter soils (0 - 16% clay).

Early post-emergence herbicides.

GAP ALACHLOR is a pre-emergence herbicide.

However, for early post-emergence application, after the first summer rains (unless irrigated), add Gramoxone at 1 to 2 ℓ/ha.

Gramoxone/**GAP ALACHLOR** mixtures must not be applied after 10% potato emergence.

E. GROUND NUTS AND SOYABEANS

Pre-emergence of weeds and crop.

Apply 4.0 to 5.0 ℓ /ha: Application to be made at planting, or not later than two days after planting. Use the lower rate on lighter soils (0 to 16% clay).
Pre- and post-emergence of weeds.

F. DRY BEANS

Apply pre-emergence of the crop and weeds within two days of planting.

| % CLAY | DOSAGE (ℓ /ha) | REMARKS |
|---------|----------------------|--|
| 0 - 10 | 3.0 | Most annual grasses as listed will be controlled. Control of <i>Digitaria</i> spp., <i>Panicum</i> spp., and broadleaf weeds will be variable. <i>Cyperus esculentus</i> will not be well controlled at these rates. |
| 11 - 20 | 3.5 | |
| > 20 | 4.0 | |

WARNING: Cold, wet conditions between application and emergence or early growth of dry beans may lead to temporary leaf crinkle, leaf burn and stunting.

G. SUNFLOWER

Apply pre-emergence of weeds and crops at 4.0 to 5.0 ℓ /ha depending on soil type.
Use 4.0 ℓ /ha on lighter soils (0 to 16% clay).

H. TRANSPLANTED CABBAGE, BROCCOLI (late Corona and Premium Crop) BRUSSELS SPROUTS (Jade Cross)

Pre-emergence of weeds after crop transplant.

Apply 4.0 to 5.0 ℓ /ha: Apply as soon as possible after the first post-transplanted irrigation and pre-emergence of the weeds. Use 4.0 ℓ /ha on lighter soils (0 to 16% clay).

I. PINEAPPLES

Apply **GAP ALACHLOR** at 4.0 to 5.0 ℓ /ha pre-emergence of weeds. Use 4.0 ℓ /ha on light soils (0 - 16% clay).

| % CLAY | GAP ALACHLOR (ℓ /ha) |
|---------|----------------------------|
| 0 - 10 | Not recommended |
| 11 - 15 | 4.0 |
| 16 - 20 | 4.5 |
| 20 - 50 | 5.0 |

GRAMOXONE (L 1174) is the registered tradename of Zeneca Ltd U.K.

MCPA (potassium salt) - MCPA 400 SL (L 3616)

Diuron 800 SC – GAP Chemicals Diuron 800 SC (L5663)

Ametryn 500 SC – GAP Chemicals Ametryn 500 SC (L5924)

WEEDS CONTROLLED BY GAP ALACHLOR

| GRASSES: | |
|-------------------------------|-----------------------|
| <i>Brachiaria eruciformis</i> | Sweet signal grass |
| <i>Chloris virgata</i> | Feathertop Chloris |
| <i>Digitaria sanguinalis</i> | Crab finger grass |
| <i>Echinochloa crusgalli</i> | Barryard grass |
| <i>Panicum maximum</i> | Guinea grass |
| <i>Panicum schinzii</i> | Vlei panicum |
| <i>Setaria verticillata</i> | Burbristle grass |
| <i>Setaria pallide-fusca</i> | Gardes Bristle grass |
| <i>Tragus racemosus</i> | Stalked Bristle grass |
| <i>Urochloa panicoides</i> | Garden urochloa |

| | |
|---|---|
| BROADLEAF WEEDS: <i>Amaranthus hybridus</i> <i>Amaranthus spinosus</i> <i>Amaranthus thunbergii</i> <i>Galinsoga parviflora</i> <i>Portulaca oleracea</i> <i>Sonchus oleracea</i> | Caped pigweed Thorn pigweed Red pigweed Small flowered Quick weed Common purslane Common Sowthistle |
| VARIABLE WEED CONTROL: <i>Anthemis cotula</i> <i>Bidens formosa</i> <i>Chenopodium album</i> <i>Cleome monophylla</i> <i>Commelina benghalensis</i> <i>Cyperus esculentus*</i> <i>Datura ferax**</i> <i>Datura stramonium**</i> <i>Stellaria media</i> <i>Tagetes minuta**</i> | Stink mayweed Cosmos White goosefoot Single leaf cleome Bengal commelina Yellow nutsedge Large Thornapple (early germinating) Common Thorn apple (early germinating) Chickweed starwort Tall khakiweed (early germinating) |

IMPORTANT: This product controls annual weeds. Other annual weeds that were not present during the development trials with the product, may possibly also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted weeds.

NOTE:

(*) The control of Yellow nutsedge (*Cyperus esculentus*) is dependant on a deep ploughing immediately before planting and application within 1 or 2 days after planting followed by about 12 mm rain within 7 to 10 days.

The addition of ATRAZINE SC suspension concentrate will provide control of the following weeds, in addition to weeds listed under VARIABLE WEED CONTROL. Blackjack (*Bidens pilosa*) and dwarf Marigold (*Schkuhria pinnata*).

Late germinating thornapple (*Datura* spp.) And tall khakiweed (*Tagetes minuta*) as well as large cockle burr (*Xanthium strumarium*) might not be controlled by **GAP ALACHLOR**/ATRAZINE SC mixtures.

When using ATRAZINE SC in tank mixes, follow ATRAZINE SC label regarding restrictions on rotation crop plantings.

(**) Early germination.

WAARSKUWING

Giffig indien ingestuk word. Kan gevaarlik vir visse wees. Bewaar die middel weg van voedsel, voer, saad, kunsmis en ander landboumiddels. Bêre op 'n koel droë plek.

VLAMBAAR - Hou weg van vlamme. Hou buite bereik van kinders, diere, en oningeligte persone.

LUGTOEDIENING: Stel alle inwoners in die onmiddellike omgewing van die gebied wat gespuit sal word in kennis en reik die nodige waarskuwings uit.

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 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 onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kraagrens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS

Moenie spuitmis of spuitnewel inasem nie. Dra rubberhandskoene gedurende hantering. As die middel met die vel of oë in aanraking kom, was met baie water. Indien nodig kry mediese behandeling vir die oë. Moenie tydens gebruik of daarna eet, drink, of rook nie, voordat nie eers gewas en skoon klerre aangetrek is nie. Moet nie voer, voedsel drinkwater en eetgerei besoedel nie. Voorkom wegdrywing en/of besoedeling van gevoelige of eetbare gewasse, weiding, riviere, damme en enige ander gebiede wat nie behandel word nie.

BELANGRIK: UITSPOEL VAN HOUER - DRIEDUBBELE UITSPOELING. Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeitot 'n gedruip verminder het. Spoel die houer daarna drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word. Moenie leë houer vir enige ander doel gebruik nie.

GEBRUIKSAANWYSINGS : GEBRUIK ALLEENLIK SOOS AANGEDUI

ALGEMENE INLIGTING

Verseker dat u toerusting akkuraat gekalibreer is.

'n Diep ploeg, net voor plant is noodsaaklik vir:

(a) Verbeterde beheer van geeluintjies *Cyperus esculentus*. Sien WISSELVALLIGE ONKRUIDBEHEER aan die einde van etiket.

(b) Opbreking van gekompakteerde lae wat kan lei tot versuipde grondoestande en, gevolglik moontlike skade aan mielies, na swaar reën.

Berei 'n fyn gelyk saadbed voor, vry van onkruid, plantreste en kluite. Moet nie **GAP ALACHLOR** op ingeteelde ouerplante van mieliebasters of op eksperimentele of nuut vrygestelde kultivars gebruik nie, alvorens die vervaardigers of saadverspreiders geraadpleeg is nie.

Moet nie toedien op swak gedreineerde grond nie. Water versuiping in die teenwoordigheid van onkruidodder kan lei tot 'n verminderde stand en/of vertraagde groei.

Moet nie toedien op waaissande nie.

Voor **GAP ALACHLOR** met ander middels gebruik word, lees die etiket van die bykomende middel en volg enige beperkings.

Vloedbesproeiing kan tot verminderende onkruidbeheer lei.

MENG INSTRUKSIES

Skud houer deeglik voor gebruik. Maak toe na gebruik.

Maak die tenk half vol met skoon water. Voeg die regte hoeveelheid **GAP ALACHLOR** by terwyl dit gedurig geroer word. Maak die spuittenk nou verder vol met water.

Indien **GAP ALACHLOR** saam met enige ander geregistreerde onkruidodder in dieselfde spuittenk gemeng word, volg die inskripsies.

(a) Maak spuittenk driekwartvol met skoon water en voeg die gekose hoeveelheid komplementerende onkruidodder by, terwyl daar gedurig geroer word.

(b) Maak die spuittenk nou amper vol met water en voeg die **GAP ALACHLOR** by. Vul nou die res van die tenk met water.

(c) Verseker dat die mengsel gedurende meng en spuit, deurgaans geroer word.

(d) Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om oornag te staan nie.

(e) Spuittoerusting moet deeglik uitgespoel word na toediening.

TOEDIENING

Dien **GAP ALACHLOR** verkieslik met plant of onmiddellik na plant toe, maar voor twee dae na plant. Gebruik 200 l/ha van spuitmengsel vir algehele grondoediening en 30 tot 40 l/ha vir lugbespuiting.

Tussen 5 en 15 mm reën binne sewe tot tien dae na toediening is nodig vir goeie resultate.

Onder droë toestande mag onkruidsaailinge opkom, maar hulle is gewoonlik verpot en kan gesmoor word met 'n vlak bewerking, wat terselfdetyd die onkruidodder met die boonste 10 tot 20 mm grond vermeng.

Indien korsvorming 'n probleem word, moet 'n rol-eg in dieselfde rigting as die plantrye gebruik word, om mielie ontkieming te bevorder.

Skoffelbewerking na toediening mag onkruidbeheer verminder as onbehandelde grond in die plantvore gegooi word.
 Sorg dat voldoende kunsmis met plant naby die saad geplaas word, om kragtige saailinggroei te bevorder.
 Sorg dat toedieningsapparaat korrek gekalibreer is en gereeld nagegaan word voor en gedurende die toediening.

VIR LUGTOEDIENING

As **GAP ALACHLOR** met 'n vliegtuig toegedien word, moet die finale spuit-neerslag op die grond gelyk wees aan die aanbevole hoeveelheid en die verspreiding van die spuitstof oor die spuitwydte moet egalig wees. **GAP ALACHLOR** moet nie uit die lug op mielies toegedien word nie.

TOEDIENINGSHOEVEELHEDE

A. MIELIES

Voor die opkoms van gewas en onkruid.

Toediening moet met planttyd geskied, of nie later as twee dae na plant. Gebruik die regte hoeveelheid vir verskillende ry- en strookwydtes.

Om 'n groter spektrum van breëblaaronkruid en MIELIES ALLEENLIK te beheer, word tenkmengsels met Atrasien suspensiekonsentraat aanbeveel.

| % KLEI | GAP ALACHLOR (ℓ/ha) | ATRASIEN 500 SC (ℓ/ha) | OPMERKINGS |
|---------|---------------------|------------------------|--|
| 0 - 10 | 4.0* | 1.75 - 2.25 | Wanneer 'n kort grondnawerking verlang word ten opsigte van opvolggewasse, gebruik alleenlik 1.5 ℓ Atrasien op gronde tot 35% klei en 2 ℓ/ha Atrasien op gronde bo 35% klei. |
| 11 - 16 | 4.0* | 2.25 | |
| 17 - 20 | 4.5 | 2.75 - 3.25 | |
| 21 - 35 | 5.0 | 4.0 | |
| > 35 | 5.0 | | |

NOTA (*): Op gronde van 0 tot 10% klei indie Noordwes and noord Vrystaat gebruik die aanbevelings hieronder.

VIR SPESIALE EENJARIGE GRAS - EN BREËBLAAR ONKRUIDBEHEER IN MIELIES

Slegs vir gebruik op gronde van 0 tot 20% klei (insluitende grond van 0 tot 10% klei in Noorwes en noord Vrystaat).

Dien **GAP ALACHLOR** teen die aanbevole dosis na-plant en voor gewas en onkruid-opkoms toe, of in 'n tenkmengsel met Atrasien, of alleen gevolg deur Atrasien, vroeg na opkoms van die onkruid teen die vervaardiger se etiket aanbevelings.

| GAP ALACHLOR (ℓ/ha) | ATRASIEN 500 SC (ℓ/ha) | ONKRUIDSPESIES |
|---------------------|--|--|
| 2.0* | 2.5 - 3.25 afhangelend van grontipe | <i>Eleusine indica</i> (Jongosgras) <i>Chloris virgata</i> (Witpluimgras) |
| 3.0* | 2.5 - 3.25 afhangelend van rondtipe | <i>Digitaria sanguinalis</i> (Kruisvingergras)** <i>Urochloa panicoides</i> (Tuin urochloa) <i>Panicum schinzii</i> (Vleibuffelgras) |

NOTA:

(*) Geeluintjies (*Cyperus esulentus*) sal nie beheer word teen hierdie dosis nie.

(**) In bekende areas van hoë *Digitaria sanguinalis* (kruisvingergras) besmettings, word die gebruik van **GAP ALACHLOR** teen 4.0 tot 5.0 ℓ/ha in 'n tenkmengsel met die aanbevole dosis Atrasien SC aanbeveel (behalwe op grond van 0-10% klei in die Noordwes en noord Vrystaat)

Vir die toediening op gronde bo 20% klei gebruik **GAP ALACHLOR** teen 5.0 ℓ/ha soos hierbo aanbeveel.

Dien **GAP ALACHLOR** toe teen 3.0 ℓ/ha in 'n Atrasien mengsel volgens die aanbeveling hierbo, tot 4 weke 'n plant.

Voor toediening van **GAP ALACHLOR** plus Atrasien SC moet ontkiemde onkruid deur vlak bewerking (minder as 3 cm) vernietig word. In gevalle waar die gewas ontkiem het, moet 'n gerigte bespuiting tussen die gewasrye plaasvind en nie oor die rye nie.

Moet nie **GAP ALACHLOR** behandeling in minder as 200 ℓ water per ha toedien nie. Moenie per vliegtuig toedien op mielies nie.

NOTA:

Atrasien SC plus **GAP ALACHLOR** tenkmenasels het Atrasien grondwerking tot gevolg.

Moet nie Atrasien-gevoelige gewasse plant voor die wagperiode verstreke is soos op die Atrasien SC etiket aangeduide is nie.

As 1.5 ℓ/ha Atrasien gebruik was, dan is die wagperiode 6 maande en vir 2.0 ℓ/ha is die wagperiode 9 maande vir die volgende gewasse:

| | | | |
|--------------|-------------|-----------|------------|
| Graansorghum | Voersorghum | Sonneblom | Grondbone |
| Sojabone | Aartappels | Drôe bone | Kleingraan |

As **GAP ALACHLOR** plus Atrasien SC in tenkmengsels toegedien word op turfgronde (wat uitsit wanneer nat of krummel wanneer droog), kan die Atrasien SC langer in die grond aktief bly as wat bo aangedui is.

Moet nie **GAP ALACHLOR** plus Atrasien SC suspensiekonsentraat tenkmengsels op hierdie gronde gebruik as Atrasien-gevoelige opvolggewasse geplant gaan word nie.

B. SUIKERMIELIES

Gebruik **GAP ALACHLOR** as 'n na-plant, voor-opkom behandeling. Suikermielies kultivars toon 'n wye toleransie aan **GAP ALACHLOR** en slegs bestande kultivars moet behandel word. Raadpleeg u saadverskaffer en/of verteenwoordiger voordat suikermielies met **GAP ALACHLOR** behandel word.

| % KLEI | DOSIS GAP ALACHLOR (ℓ/ha) |
|---------|---------------------------|
| 0 - 10 | Nie aanbeveel nie |
| 11 - 15 | 4.0 |
| 16 - 20 | 4.5 |
| 21 - 35 | 5.0 |
| > 35 | Nie aanbeveel nie |

C. SUIKERRIET

Voor die opkom van onkruid.

Dien 5.0 tot 6.0 ℓ/ha toe: Indien *Panicum maximum* (alleenlik van saad) die hoofprobleem is, gebruik die hoër dosis.

Vir die beheer van breë spektrum onkruid (eenjarige grasse en breëblaar-onkruid) kan MCPA, Atrasien SC, Diuron 800 SC of Ametryn 500 SC tot bogenoemde hoeveelhede **GAP ALACHLOR** bygevoeg word as volg: DIURON 800 SC of AMETRYN 500 SC.

| PRODUK | DOSIS |
|----------------------------|---|
| MCPA (kalium sout) 400 g/ℓ | 4.0 ℓ/ha |
| ATRASIEN 500SC | 2.0 ℓ/ha - sand tot sandkleileem (tot 35% klei) |
| ATRASIEN 500SC | 3.0 ℓ/ha - sandklei tot klei (bokant 35% klei) |
| DIURON 800 SC | 2.0 ℓ/ha – 4 ℓ/ha |
| AMETRYN 500 SC | 2.0 ℓ/ha – 3.0 ℓ/ha |

Vroeg na opkom van onkruid.

GAP ALACHLOR kombinasies vir plant - en opslagsuikerriet:

| | |
|---|---|
| Vroeg na opkom van onkruid / ha. | 6 ℓ GAP ALACHLOR + 2 tot 3 ℓ Atrasine + 1 tot 2 ℓ Gramoxone* |
| NOTA (*) Dien Gramoxone toe voor die eerste twee blare ontvou. | |

D. AARTAPPELS

Voor die opkom van onkruid.

Dien 4.0 tot 5.0 ℓ/ha toe. Tensy besproei, dien toe voor opkom van aartappels en onkruid na die eerste somer reën. Gebruik die laer dosis op ligte gronde (0 tot 16% klei). Vroeg na opkom van onkruid.

GAP ALACHLOR is 'n voor opkom onkruiddoder.

Nogtans, vir vroeë opkom toediening, na die eerste sommerreën (tensy besproei) voeg 1 tot 2 ℓ/ha Gramoxone by.

Gramoxone/**GAP ALACHLOR** mengsels moet nie toegedien word as meer as 10% van die aartappels opgekom het nie.

E. GRONDBONE EN SOJABONE

Voor die opkom van onkruid.

Dien 4.0 tot 5.0 ℓ/ha toe. Toediening moet met plant geskied, of nie later as twee dae na plant nie. Gebruik die laer dosis op ligte grond (0 tot 16% klei).

Voor en na die opkom van onkruid.

F. DROËBONE

Toediening moet met plant geskied, of nie later as twee dae na plant nie.

| % KLEI | DOSIS (ℓ/ha) | OPMERKINGS |
|--------|--------------|--|
| 0 - 10 | 3.0 | Meeste eenjarige grasse volgens Label sal beheer word. Beheer van <i>Digitaria</i> spp., <i>Panicum</i> spp., en breëblaaronkruid kan wisselvallig wees. <i>Cyperus esculentus</i> teen die aanbevole dosis sal nie beheer word nie. |
| 11- 20 | 3.5 | |
| > 20 | 4.0 | |

WAARSKUWING: Koue, nat toestande tussen toediening opkoms of vroeë groeistadium van droëbone kan tydelike blaarbrand en verdwering van die gewas tot gevolg hê.

G. SONNEBLOM

Dien toe voor die opkoms van onkruid en gewas teen 4.0 tot 5.0 ℓ/ha afhangend van grondtipe. Gebruik 4.0 ℓ/ha op ligter grond (0 tot 16% klei).

H. UITGEPLANTE KOPKOOL, BROKKOLI (Late Corona en Premium Crop), BRUSSELSE-SPRUITE (Jade Cross)

Gebruik 4.0 tot 5.0 ℓ/ha. Dien so gou as moontlik na die eerste besproeiing na uitplanting toe, voordat onkruid opkoms. Gebruik 4.0 ℓ/ha op ligter grond (0 tot 16% klei).

I. PYNAPPELS

Dien **GAP ALACHLOR** teen 4.0 tot 5.0 ℓ/ha toe, voor die opkoms van onkruid. Gebruik 4.0 ℓ/ha op ligte gronde (0 tot 16% klei).

| % KLEI | GAP ALACHLOR (ℓ/ha) |
|--------|---------------------|
| 0 - 10 | Nie aanbeveel nie |
| 11- 15 | 4.0 |
| 16- 20 | 4.5 |
| 20- 50 | 5.0 |

GRAMOXONE (liter 1174) is die geregistreerde handelsmerk van Zeneca Ltd U.K.

MCPA (kaliumsout) - MCPA 400 SL (liter 3616)

ONKRUID WAT DEUR **GAP ALACHLOR** BEHEER WORD

| GRASSE: | |
|-------------------------------|----------------------|
| <i>Brachiaria eruciformis</i> | Litjiesinjalgras |
| <i>Chloris virgata</i> | Witpluimchloris |
| <i>Digitaria sanguinalis</i> | Kruisvingergras |
| <i>Echinochloa crusgalli</i> | Hanepootmanna |
| <i>Panicum maximum</i> | Gewone buffelgras |
| <i>Panicum schinzii</i> | Vlei Buffelgras |
| <i>Sataria verticillata</i> | Klitssetaria |
| <i>Setaria pallide-fusca</i> | Tuinsetaria |
| <i>Tragus racemosus</i> | Losaarwortelsaadgras |
| <i>Urochloa panicoides</i> | Tuinurochloa |
| BREËBLAARONKRUIDE | |
| <i>Amaranthus hybridus</i> | Kaapse misbredie |
| <i>Amaranthus spinosus</i> | Doringmisbredie |
| <i>Amaranthus thunbergii</i> | Roomisbredie |
| <i>Galinsoga parviflora</i> | Knopkruid |
| <i>Portulaca oleracea</i> | Gewone porslein |
| <i>Sonchus oleracea</i> | Gewone Sydissel |

| WISSELVALLIGE ONKRUIDBEHEER | |
|-------------------------------|--------------------------------------|
| <i>Anthemis cotula</i> | Stinkkamille |
| <i>Bidens formosa</i> | Kosmos |
| <i>Chenopodium album</i> | Withondebossie |
| <i>Chenopodium carinatum</i> | Groenhondebossie |
| <i>Cleome monophylla</i> | Enkelblaarcleome |
| <i>Commelina benghalensis</i> | Bengaalse commelina |
| <i>Cyperus esculentus*</i> | Geeluintjie |
| <i>Datura ferox**</i> | Groot stinkblaar (vroeg ontkiemend) |
| <i>Datura stramonium**</i> | Gewone stinkblaar (vroeg ontkiemend) |
| <i>Stellaria media</i> | Gewone Sterremuur |
| <i>Tagetes minuta**</i> | Langkakiebos (vroegontkiemend) |

BELANGRIK: Hierdie produk beheer eenjarige onkruid. Ander eenjarige onkruid wat nie tydens die ontwikkelingsproewe met die middel voorgekom het nie, kan ook moontlik in meerdere of mindere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruide nie.

LET WEL:

(*) Die beheer van Geeluintjie (*Cyperus esculentus*) is afhanklik vir 'n diep disbewerking net voor plant en toediening binne 1 of 2 dae na plant gevolg deur omtrent 12 mm reën binne 7 tot 10 dae.

Die byvoeging van Atrasien suspensiekonsentraat formulasies sal die volgende onkruide beheer: Knapsekêrel (*Bidens pilosa*) en kleinkakiebos (*Schkuhrria pinnata*), asook die onkruide wat genoem word onder WISSELVALLIGE ONKRUIDBEHEER.

Laat ontkiemde stinkblaar (*Datura* spp.) en langkakiebos (*Tagetes minuta*) asook kankerros (*Xanthium strumarium*) sal miskien nie deur **GAP ALACHLOR**/Atrasien SC mengsels beheer word nie.

Wanneer Atrasien SC in tenkmengsels met **GAP ALACHLOR** gebruik word volg die Atrasien SC etiket beperkings in verband met opvolggewasse.

(**) Vroeg ontkiemend.

GAP

GENERAL AGRICULTURAL PRODUCTS

CHEMICALS (PTY) LTD

2005/011761/07

ALACHLOR

Registration No. L5949 Act No. 36 of 1947

A pre-emergence emulsifiable concentrate weedkiller for the control of most annual grasses and certain broadleaf weeds in maize, sweetcorn, ground nuts, soyabeans, dry beans, sunflower, transplanted cabbage, broccoli, brussel sprouts, potatoes, sugarcane and pineapples.

Registrasie Nr. L5949 Wet Nr. 36 van 1947

'n Vooropkom emulgeerbare konsentraat onkruidoder vir die beheer van die meeste eenjarige grasse en seker breeblaar-onkruide in mielies, suikermielies, grondbone, sojabone, droëbone, sonneblomme, aartappels, pynappels, uitgeplante kopkool, brokkoli, spruitkool en suikerriet.

| | | |
|---------------------------|----|------------------------------|
| HRAC HERBICIDE GROUP CODE | 15 | HRAC ONKRUIDDODER GROEP KODE |
|---------------------------|----|------------------------------|

Active ingredient:

Alachlor (acetanilide)

384 g/l

Aktiewe bestanddeel:

Alachlor (asetanilied)

Registered by: / Geregistreer deur:

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