

WARNINGS

Hazard Statements: Flammable liquid and vapour. Harmful if swallowed, in contact with skin or if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

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

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapours, spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Call a poison center or doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center or doctor if you feel unwell. Get medical advice/attention if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use dry extinguishing powder, carbon dioxide (CO₂), foam to extinguish. Collect spillage.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents and container to an approved waste disposal plant.

- Prevent drift and/or contamination onto susceptible or edible crops, grazing, rivers, dams or any other areas not under treatment.
- **TRIPLE RINSE the empty container as follows:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy empty container and do not use for any other purpose.

RELEVANT SUBSTANCES:

NAME	PRODUCT IDENTIFIER
xylene	CAS-No.: 1330-20-7
Alachlor 93% TC	CAS-No.: 15972-60-8
calcium dodecylbenzenesulphonate	CAS-No.: 26264-06-2
Fatty acids, C16-18, esters with ethylene glycol	CAS-No.: 91031-31-1

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

GENERAL INFORMATION

Ensure accurately calibrated equipment.

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

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

FARMAG

ALACHLOR 384 EC

Reg. No.: L5949 Act /Wet No. 36 of/van 1947

HERBICIDE

**READ THE LABEL AND ATTACHED PACKAGED LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

HERBICIDE GROUP CODE**15****ONKRUIDDODER GROEPKODE**

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 breeblaaronkruid in mielies, suikermielies, grondbone, sojabone, droëbone, sonneblomme, aartapels, pynappels, uitgeplante kopkool, brokkoli, spruitkool en suikerriet.

ACTIVE INGREDIENT/AKTIEWE BESTANDEEL:

Alachlor (acetanilide).....384 g/l..... Alachlor (asetanilied)

**DANGER****Hazard Statements:**

Flammable liquid and vapour.
Harmful if swallowed, in contact with skin or if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe vapours, spray.
IF SWALLOWED: Call a poison center or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/attention.
In case of fire: Use dry extinguishing powder, carbon dioxide (CO₂), foam to extinguish.

In case of poisoning, call the following number:**Poison Information Helpline (24 hrs) 0861 555 777****Emergency Number: Disaster Management Centre Spill Tech 086 100 0366**

Batch No:

D.O.M:

D.O.E:

Net Contents:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 1993



REGISTRATION HOLDER/ REGISTRASIEHOUER

Cedar Falls Properties 130 (Pty) Ltd
Reg. Nr.: Reg. No. 2006/031383/07
61 Marshall Drive, Old Mill Industrial Park,
Mount Edgecombe, South Africa, 4300
Tel: 031 003 3486

**BARCODE**

100524

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

Do not apply **FARMAG ALACHLOR 384 EC** 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 **FARMAG ALACHLOR 384 EC** to sandy soils.

Before using **FARMAG ALACHLOR 384 EC** 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 **FARMAG ALACHLOR 384 EC** while maintaining agitation. Complete filling operation.

When mixing **FARMAG ALACHLOR 384 EC** 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 **FARMAG ALACHLOR 384 EC** 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 **FARMAG ALACHLOR 384 EC** 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.

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. **FARMAG ALACHLOR 384 EC** 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 FarmAg Atrazine 500 SC suspension concentrates are recommended.

% SOIL CLAY	FARMAG ALACHLOR 384 EC (l/ha)	FARMAG 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 FarmAg Atrazine 500 SC on soils up to 35% clay and 2 l/ha FarmAg Atrazine 500 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 **FARMAG ALACHLOR 384 EC** rate post planting of the crop and pre-emergence of the crop and weeds either in a tank mix with the required FarmAg Atrazine 500 SC rate or alone followed by FarmAg Atrazine 500 SC applied early post-emergence of the weeds according to the manufacture label recommendations.

FARMAG ALACHLOR 384 EC (ℓ/ha)	FARMAG 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 FARMAG ALACHLOR 384 EC at 4.0 to 5.0 ℓ/ha in a tank mix with FarmAg Atrazine 500 SC as recommended (excluding Soils of 0 - 10% clay in the Northwest and northern Free State).		

For soils over 20% clay, use **FARMAG ALACHLOR 384 EC** at 5.0 ℓ/ha as recommended above.

Apply **FARMAG ALACHLOR 384 EC** at 3.0 ℓ/ha in a tank mix with FarmAg Atrazine 500 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 **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC treatment.

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

Do not apply **FARMAG ALACHLOR 384 EC** treatment in under 200 ℓ water per ha. Do not apply by aircraft to maize.

NOTE: FarmAg Atrazine 500 SC tank-mixed with **FARMAG ALACHLOR 384 EC** results in soil persistent residue.

Do not plant Atrazine sensitive crops before the time stated on the FarmAg Atrazine 500 SC label.

However, if the rate of FarmAg Atrazine 500 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 **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC tank mixtures are applied onto turf soils (soils which expand when wet and crack when dry), then the FarmAg Atrazine 500 SC may remain active much longer in the soils than the abovementioned waiting periods.

Do not use **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC tank mixtures on these soils if it is anticipated that an Atrazine SC sensitive crop is to be planted in rotation.

B. SWEETCORN

FARMAG ALACHLOR 384 EC can be applied as a post plant pre-emergence treatment. Sweetcorn cultivars exhibit a wide variation in tolerance of **FARMAG ALACHLOR 384 EC** and only those cultivars known to be tolerant should be treated. Consult your seed supplier and/or representative before treating sweetcorn with **FARMAG ALACHLOR 384 EC**.

% CLAY	DOSAGE FARMAG ALACHLOR 384 EC (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, FarmAg MCPA, FarmAg Atrazine 500 SC, FarmAg Diuron 800 SC or FarmAg Ametryn 500 SC can be added to the above rates of **FARMAG ALACHLOR 384 EC** as follows:

PRODUCT	DOSAGE
FARMAG MCPA (potassium salts) 400g/l	4.0 l/ha
FARMAG ATRAZINE 500 SC	2.0 l/ha - sandy to sandy clay loam soil (up to 35% clay)
FARMAG ATRAZINE 500 SC	3.0 l/ha - sandy clays to heavier clay (above 35% clay)
FARMAG DIURON 800 SC	2.0 l/ha – 4 l/ha
FARMAG AMETRYN 500 SC	2.0 l/ha – 3 l/ha

Early post-emergence in respect of weeds.

FARMAG ALACHLOR 384 EC combinations for plant type cane.

Very early post-emergence of weeds / ha	6 l FARMAG ALACHLOR 384 EC + 2 – 3 l FarmAg Atrazine 500 SC + 1 – 2 l FARMAG PARAQUAT 200*
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NOTE: (*) Apply FARMAG PARAQUAT 200 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.

FARMAG ALACHLOR 384 EC is a pre-emergence herbicide.

However, for early post-emergence application, after the first summer rains (unless irrigated), add FARMAG PARAQUAT 200.

FARMAG PARAQUAT 200/**FARMAG ALACHLOR 384 EC** mixtures must not be applied after 10% potato emergence.

E. GROUND NUTS AND SOYBEANS

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 **FARMAG ALACHLOR 384 EC** at 4.0 to 5.0 l/ha pre-emergence of weeds. Use 4.0 l/ha on light soils (0 - 16% clay).

PARAQUAT: FARMAG PARAQUAT 200 (L9059)

MCPA (potassium salt) – FARMAG MCPA 400 SL (L 6114)

DIURON – FARMAG DIURON 800 SC (L5663)

AMETRYN – FARMAG AMETRYN 500 SC (L7329)

WEEDS CONTROLLED BY **FARMAG ALACHLOR 384 EC**

GRASSES: <i>Brachiaria eruciformis</i> <i>Chloris virgata</i> <i>Digitaria sanguinalis</i> <i>Echinochloa crusgalli</i> <i>Panicum maximum</i> <i>Panicum schinzii</i> <i>Setaria verticillata</i> <i>Setaria pallide-fusca</i> <i>Tragus racemosus</i> <i>Urochloa panicoides</i>	Sweet signal grass Feathertop Chloris Crab finger grass Barnyard grass Guinea grass Vlei panicum Burburistle grass Gardes Bristle grass Stalked Bristle grass 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>Chenopodium carinatum</i> <i>Cleome monophylla</i> <i>Commelina benghalensis</i> <i>Cyperus esculentus*</i> <i>Datura ferox**</i> <i>Datura stramonium**</i> <i>Stellaria media</i> <i>Tagetes minuta**</i>	Stink mayweed Cosmos White goosefoot Green 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 FarmAg Atrazine 500 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 **FARMAG ALACHLOR 384 EC**/FarmAg Atrazine 500 SC mixtures. When using FarmAg Atrazine 500 SC in tank mixes, follow FarmAg Atrazine 500 SC label regarding restrictions on rotation crop plantings.

(**) Early germination.



WAARSKUWING:

Gevaarstellings: Vlambare vloeistof en damp. Skadelik indien ingesluk, in kontak met vel of indien ingeasem. Veroorsaak velirritasie. Kan 'n allergiese reaksie veroorsaak. Word daarvan verdink dat hy kanker veroorsaak. Mag skade aan organe veroorsaak deur langdurige of herhaalde blootstelling. Baie giftig vir waterlewe met langdurige effekte.

LUGTOEDIENING: Stel alle inwoners in die onmiddellike omgewing van die gebied wat gespuet 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 kraagstens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

Voorsorgstellings

Voorkoming: Kry spesiale instruksies voor gebruik. Moet nie hanteer voordat alle veiligheidsmaatreëls gelees en verstaan is nie. Hou weg van hitte, warm oppervlaktes, vonke, oop vlamme en ander ontstekingsbronne. Geen rook nie. Hou die houer dig toe. Grond en bind houer en ontvangtoerusting. Gebruik ontploffingsvaste toerusting. Gebruik gereedskap wat nie vonkel nie. Neem stappe om statiese ontladings te voorkom. Moet nie dampe, sproei inasem nie. Was hande, voorarms en gesig deeglik na hantering. Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie. Gebruik slegs buite of in 'n goed geventileerde area. Besoedelde werksklere moet nie uit die werkplek toegelaat word nie. Vermy vrylating na die omgewing. Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming.

Reaksie: INDIEN INGESLUK: Bel 'n gifsentrum of dokter as jy onwel voel. INDIEN OP DIE VEL: Was met baie water. INDIEN OP DIE VEL (of hare): Trek onmiddellik alle gekontameneerde klere uit. Spoel vel uit met water/stort. INDIEN INGESAEM: Verwyder persoon na vars lug en hou gemaklik om asem te haal. INDIEN blootgestel of bekommerd: Kry mediese advies/aandag. Bel 'n gifsentrum of dokter as jy onwel voel. Kry mediese advies/aandag as jy onwel voel. Spoel mond uit. Indien velirritasie of uitslag voorkom: Kry mediese advies/aandag. Trek besoedelde klere uit en was dit voor hergebruik. In geval van brand: Gebruik droë bluspoel, koolstofdioksied (CO₂), skuim om te blus. Versamel gemors.

Berging: Berg in 'n goed geventileerde plek. Hou koel. Berg toegesluit.

Wegdoening: Gooi inhoud en houer weg na 'n goedgekeurde afvalverwyderingsaanleg.

- Voorkom wedgrywing en/of besoedeling van gevoelige of eetbare gewasse, weiding, riviere, damme en enige ander gebiede wat nie behandel word nie.
- **SPOEL die leë houer DRIEKEER UIT soos volg:** Keer die leë houer om oor die spuit- of mengtenk en dreineer vir ten minste 30 sekondes nadat die vloeitot drup verlangsamer het. Spoel die leë houer daarna drie keer agtereenvolgens uit met een kwart van die houervolume vars water en gooi die spelwater in die spuit- of mengtenk. Prik die drievoudig uitgespoelde houer deur en gooi weg via 'n goedgekeurde versamelaar of herwinner (www.croplife.co.za). Moet nie die houer begrawe, verbrand of skenk aan enige ander partye wat dit as 'n houer vir kos of drank kan gebruik nie.
- Vernietig leë houer en moet vir geen ander doel gebruik nie.

RELEVANTE STOWWE:

NAAM	PRODUK IDENTIFISEERDER
Xileen	CAS-Nr.: 1330-20-7
Alachlor 93% TS	CAS-Nr.: 15972-60-8
Kalsiumdodesielbenseensulfonaat	CAS-Nr.: 26264-06-2
Vetsure, C16-18, esters met etileenglikol	CAS-Nr.: 91031-31-1

WYSE VAN AKSIE:

Selektiewe, sistemiese onkruidodder, hoofsaaklik geabsorbeer deur ontkiemende lote, maar ook deur wortels, getranslokeer in die xileem regdeur die plant wat hoofsaaklik in vegetatiewe eerder as reprodutiewe dele ophoop

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 geleuntjies *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 **FARMAG ALACHLOR 384 EC** 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 waaisande nie.

Voor **FARMAG ALACHLOR 384 EC** met ander middels gebruik word, lees die etiket van die bykomende middel en volg enige beperkings.

Voedbesproeiing 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 **FARMAG ALACHLOR 384 EC** by terwyl dit gedurig geroer word. Maak die spuittenk nou verder vol met water.

Indien **FARMAG ALACHLOR 384 EC** saam met enige ander geregistreerde onkruidodder in dieselfde spuittenk gemeng word, volg die instruksies.

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 **FARMAG ALACHLOR 384 EC** 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 **FARMAG ALACHLOR 384 EC** verkieslik met plant of onmiddelik na plant toe, maar voor twee dae na plant. Gebruik 200 l/ha van spuitmengsel vir algehele grondtoediening 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 plantvroe 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 **FARMAG ALACHLOR 384 EC** 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. **FARMAG ALACHLOR 384 EC** moet nie uit die lug op mielies toegedien word nie.

TOEDIENINGSHOEVEELHEDE

A. MIELIES

Voor die opkom 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 breeblaaronkruid en MIELIES ALLEENLIK te beheer, word tenkmengsels met FarmAg Atrazine 500 SC suspensiekonsentraat aanbeveel.

% KLEI	FARMAG ALACHLOR 384 EC (l/ha)	FARMAG ATRAZINE 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 FarmAg Atrazine 500 SC op gronde tot 35% klei en 2 l/ha FarmAg Atrazine 500 SC 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 en noord Vrystaat gebruik die aanbevelings hieronder.

VIR SPESIALE EENJARIGE GRAS - EN BRĒEBLAAR 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 **FARMAG ALACHLOR 384 EC** teen die aanbevole dosis na-plant en voor gewas en onkruid-opkoms toe, of in 'n tenkmengsel met FarmAg Atrazine 500 SC, of alleen gevolg deur FarmAg Atrazine 500 SC, vroeg na opkoms van die onkruid teen die vervaardiger se etiket aanbevelings.

FARMAG ALACHLOR 384 EC (€/ha)	FARMAG ATRAZINE 500 SC (€/ha)	ONKRUIDSPESIES
2.0*	2.5 - 3.25 afhangelend van grontipe	<i>Eleusine indica</i> (Jongosgras) <i>Chloris virgata</i> (Witpluimgras) <i>Digitaria sanguinalis</i> (Kruisvingergras)**
3.0*	2.5 - 3.25 afhangelend van rondtipe	<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 **FARMAG ALACHLOR 384 EC** teen 4.0 tot 5.0 €/ha in 'n tenkmengsel met die aanbevole dosis FarmAg Atrazine 500 SC aanbeveel (behalwe op grond van 0-10% klei in die Noordwes en noord Vrystaat)

Vir die toediening op gronde bo 20% klei gebruik **FARMAG ALACHLOR 384 EC** teen 5.0 €/ha soos hierbo aanbeveel.

Dien **FARMAG ALACHLOR 384 EC** toe teen 3.0 €/ha in 'n FarmAg Atrazine 500 SC mengsel volgens die aanbeveling hierbo, tot 4 weke 'n plant. Voor toediening van **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC moet ontkiemde onkruiddeur 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 **FARMAG ALACHLOR 384 EC** behandeling in minder as 200 l water per ha toedien nie. Moenie per vliegtuig toedien op mielies nie.

NOTA:

FarmAg Atrazine 500 SC plus **FARMAG ALACHLOR 384 EC** tenkmensels het Atrasien grondwerking tot gevolg.

Moet nie Atrasien-gevoelige gewasse plant voor die wagperiode verstreke is soos op die FarmAg Atrazine 500 SC etiket aangeduide is nie.

As 1.5 €/ha FarmAg Atrazine 500 SC gebruik was, dan is die wagperiode 6 maande en vir 2.0 €/ha is die wagperiode 9 maande vir die volgende gewasse:

Graansorghum	Voersorghum	Sonneblom	Grondbone
Sojabone	Aartappels	Drôe bone	Kleingraan

As **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC in tenkmengsels toegedien word op turfgronde (wat uitsit wanneer nat of krummel wanneer droog), kan die FarmAg Atrazine 500 SC langer in die grond aktief bly as wat bo aangeduid is.

Moet nie **FARMAG ALACHLOR 384 EC** plus FarmAg Atrazine 500 SC suspensiekonsentraat tenkmengsels op hierdie gronde gebruik as Atrasien-gevoelige opvolggewasse geplant gaan word nie.

B. SUIKERMIELIES

Gebruik **FARMAG ALACHLOR 384 EC** as 'n na-plant, voor-opkoms behandeling. Suikermielies kultivars toon 'n wye toleransie aan **FARMAG ALACHLOR 384 EC** en slegs bestande kultivars moet behandel word. Raadpleeg u saadverskafer en/of verteenwoordiger voordat suikermielies met **FARMAG ALACHLOR 384 EC** behandel word.

% KLEI	DOSIS FARMAG ALACHLOR 384 EC (€/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 opkoms van onkruiide.

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 onkruiide (eenjarige grasse en breëblaar-onkruiide) kan FarmAg MCPA, FarmAg Atrazine 500 SC, FarmAg Diuron 800 SC of FarmAg Ametryn 500 SC tot bogenoemde hoeveelhede **FARMAG ALACHLOR 384 EC** bygevoeg word as volg: DIURON 800 SC of AMETRYN 500 SC.

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

Vroeg na opkoms van onkruiide.

FARMAG ALACHLOR 384 EC kombinasies vir plant suikerriet

Vroeg na opkoms van onkruiide / ha.	6 ℓ FARMAG ALACHLOR 384 EC + 2 tot 3 ℓ FarmAg Atrazine 500 SC + 1 tot 2 ℓ FarmAg Paraquat 200*
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NOTA (*) Dien FarmAg Paraquat 200 toe voor die eerste twee blare ontvou.

D. AARTAPPELS

Voor die opkoms van onkruiide.

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

FARMAG ALACHLOR 384 EC is 'n voor opkoms onkruiddoder.

Nogtans, vir vroeë opkoms toediening, na die eerste somerreën (tensy besproei) voeg 1 tot 2 ℓ/ha FarmAg Paraquat 200 by.

FarmAg Paraquat 200/**FARMAG ALACHLOR 384 EC** mengsels moet nie toegedien word as meer as 10% van die aartappels opgekoms het nie.

E. GRONDBONE EN SOJABONE

Voor die opkoms van onkruiide.

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 opkoms van onkruiide.

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>Digilaria</i> spp., <i>Panicum</i> spp., en breëblaaronkruiide 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. SONNEBLUM

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 **FARMAG ALACHLOR 384 EC** 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).

PARAQUAT: FARMAG PARAQUAT 200 (L9059)
MCPA (potassium salt) – FARMAG MCPA 400 SL (L 6114)
DIURON – FARMAG DIURON 800 SC (L5663)
AMETRYN – FARMAG AMETRYN 500 SC (L7329)

ONKRUID WAT DEUR **FARMAG ALACHLOR 384 EC** BEHEER WORD

GRASSE: <i>Brachiaria eruciformis</i> <i>Chloris virgata</i> <i>Digitaria sanguinalis</i> <i>Echinochloa crusgalli</i> <i>Panicum maximum</i> <i>Panicum schinzii</i> <i>Sataria verticillata</i> <i>Setaria pallide-fusca</i> <i>Tragus racemosus</i> <i>Urochloa panicoides</i>	Litjiesinjalgras Witpluimchloris Kruisvingergras Hanepootmanna Gewone buffelgras Vlei Buffelgras Klitssetaria Tuinsetaria Losaarwortelsaadgras Tuinurochloa
BREËBLAARONKRUIDE <i>Amaranthus hybridus</i> <i>Amaranthus spinosus</i> <i>Amaranthus thunbergii</i> <i>Galinsoga parviflora</i> <i>Portulaca oleracea</i> <i>Sonchus oleracea</i>	Kaapse misbredie Doringmisbredie Roomimisbredie Knopkruid Gewone porslein Gewone Sydissele
WISSELVALLIGE ONKRUIDBEHEER <i>Anthemis cotula</i> <i>Bidens formosa</i> <i>Chenopodium album</i> <i>Chenopodium carinatum</i> <i>Cleome monophylla</i> <i>Commelina benghalensis</i> <i>Cyperus esculentus*</i> <i>Datura ferox**</i> <i>Datura stramonium**</i> <i>Stellaria media</i> <i>Tagetes minuta**</i>	Stinkkamille Kosmos Withondebossie Groenhondebossie Enkelblaarcleome Bengaalse commelina Geeluintjie Groot stinkblaar (vroeg ontkiemend) Gewone stinkblaar (vroeg ontkiemend) Gewone Sterremuur 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 onkruid 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 FarmAg Atrazine 500 SC suspensiekonsentraat formulasies sal die volgende onkruidbeheer: Knapsekêrel (*Bidens pilosa*) en kleinkakiebos (*Schkurrhia pinnata*), asook die onkruid wat genoem word onder WISSELVALLIGE ONKRUIDBEHEER.

Laat ontkiemde stinkblaar (*Datura* spp.) en langkakiebos (*Tagetes minuta*) asook kankerroos (*Xanthium strumarium*) sal miskien nie deur **FARMAG ALACHLOR 384 EC**/FarmAg Atrazine 500 SC mengsels beheer word nie.

Wanneer FarmAg Atrazine 500 SC in tenkmengsels met **FARMAG ALACHLOR 384 EC** gebruik word volg die FarmAg Atrazine 500 SC etiket beperkings in verband met opvolggewasse.

(**) Vroeg ontkiemend.



FARMAG

ALACHLOR 384 EC

Reg. No.: L5949 Act /Wet No. 36 of/van 1947

HERBICIDE**READ THE LABEL AND ATTACHED PACKAGED LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS****HERBICIDE GROUP CODE****15****ONKRUIDDODER GROEPKODE**

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 breeblaaronkruid in mielies, suikermielies, grondbone, sojabone, droëbone, sonneblomme, aartapels, pynappels, uitgeplante kopkool, brokkoli, spruitkool en suikerriet.

ACTIVE INGREDIENT/AKTIEWE BESTANDEDEEL:

Alachlor (acetanilide).....384 g/l..... Alachlor (asetanilied)

**DANGER****Hazard Statements:**

Flammable liquid and vapour.
Harmful if swallowed, in contact with skin or if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe vapours, spray.
IF SWALLOWED: Call a poison center or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/attention.
In case of fire: Use dry extinguishing powder, carbon dioxide (CO₂), foam to extinguish.

In case of poisoning, call the following number:**Poison Information Helpline (24 hrs) 0861 555 777****Emergency Number: Disaster Management Centre Spill Tech 086 100 0366**

Batch No:

D.O.M:

D.O.E:

Net Contents:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 1993



REGISTRATION HOLDER/ REGISTRASIEHOUER

Cedar Falls Properties 130 (Pty) Ltd
Reg. Nr.: Reg. No. 2006/031383/07
61 Marshall Drive, Old Mill Industrial Park,
Mount Edgecombe, South Africa, 4300
Tel: 031 003 3486

**BARCODE**

100524

165(H) x 140(W) mm

CYAN

MAG

YEL

BLK

100524