

Read the label carefully before opening

ATRAFLO 500 SC.



Plaaskem

Botswana: Reg. No. W130304, Act No. / Wet Nr. 18 of / van 1999

Group C1 Herbicide / Groep C1 Onkruidodder



A SUSPENSION CONCENTRATE WEED-KILLER FOR THE CONTROL OF ANNUAL BROADLEAF WEEDS AND GRASSES IN MAIZE, GRAIN SORGHUM, SUGARCANE AND PINEAPPLES AS INDICATED

'n SUSPENSIE KONSENTRAAT ONKRUID-DODER VIR DIE BEHEER VAN EENJARIGE BREËBLAARONKRUID EN GRASSE IN MIELIES, GRAANSORGHUM, SUIKERRIET EN PYNAPPELS SOOS AANGEDUI.

Group C1 Herbicide

Onkruidodder Groep C1

Active Ingredients / Aktiewe Bestanddele :

Atrazine (Triazines).....	488 g/l	Atrasien (Triasiene)
Other Triazines	12 g/l	Ander Triaziene

Net Volume



Netto Volume

Registered by / Geregistreer deur:
APPLIED AGRICULTURAL PRODUCTS (PTY) LTD

P.O. BOX 14418
WITFIELD, 1467
TEL. (011) 823 8000

Manufactured by / Vervaardig deur

Plaaskem Pty Ltd
1972/013867/07
P.O. BOX 14418
WITFIELD, 1467
TEL. (011) 823 8000

Batch No:

Lotnr:

Date of Manufacture:

Vervaardigingsdatum:

UN Nr: 2998 – Triazine pesticide, liquid, toxic



HARMFUL
SKADELIK



WARNING

Poisonous when swallowed. Store away from food and feeds. Keep out of reach of children, animals and uninformed persons.

Aerial application - Notify all the inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be 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 occurrence of resistance of weeds against 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

Do not breathe spray mist. Wash with soap and water after use. Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.

Clean applicator before using with other material - dispose of wash water where it will not contaminate food, grazing, rivers or dams. Prevent contamination of food, seeds, drinking water and eating utensils.

Do not mix and load within at least 15 m from boreholes, streams, rivers and dams.

Do not apply within at least 15 m from boreholes, streams and rivers.

Do not apply within at least 60 m from dams.

Ensure that no back-siphoning to boreholes or dams takes place when Atraflo 500 SC is applied through the irrigation system.

Triple Rinse Statement:

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 the rinsing to the contents of the spray tank before the container is destroyed in the prescribed manner. Destroy empty container by perforation and flattening and never use for any other purpose.

SYMPTOMS OF HUMAN POISONING:

Skin Contact: Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening or, occasionally blistering.

FIRST AID MEASURES:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do **NOT** induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before re-use. Get medical attention.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

NOTE TO PHYSICIAN:

Treat symptomatically.

USE RESTRICTIONS:

1. To avoid damage to follow-up crops the following waiting periods should be taken into consideration:

a) Maize and sugarcane	-	None
b) Grain sorghum & pineapples	-	12 months
c) Sunflower, small grain, feed sorghum, drybeans groundnuts, soyabeans & potatoes	-	18 months
d) All other crops	-	24 months

(A test planting is however recommended)

e) Where the rate of ATRAFLO 500 S.C. does not exceed 2,0 l/ha the waiting periods mentioned under (b) and (c) can be reduced to 9 months, except in the sandy soils of the North West Province and North Western Free State which contain 0 - 10 % clay.

NOTE : The above mentioned waiting periods will only be valid if the correct quantity of ATRAFLO 500 S.C. has been applied according to the soil type and an average or above average rainfall has been experienced during and after the season in which the ATRAFLO 500 S.C. has been applied.

2. When ATRAFLO 500 S.C is applied to soils which expand on wetting and crack or crumble on drying out such as turf soils, ATRAFLO 500 S.C. may remain active in the soil much longer than the above mentioned waiting periods. Thus it should not be applied to such soils if it is contemplated to plant ATRAFLO 500 S.C. sensitive crops in the foreseeable future. On these soils weeds may also not be controlled satisfactorily by a pre-emerged application.
3. Do not apply ATRAFLO 500 S.C. to inbred parent plants or maize or grain sorghum hybrids or experimental or newly released maize and grain sorghum cultivars without first referring to the manufacturer or seed supplier.

Springbok Flats Area: ATRAFLO 500 SC is not normally recommended, if, however, you want to use ATRAFLO 500 SC first consult the representative of the firm.

RESISTANCE WARNING

For resistance management, Atraflo 500 SC is a group C1 Herbicide. Any weed population may contain individuals naturally resistant to Atraflo 500 SC and other group C1 Herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. The resistant weeds may not be controlled by Atraflo 500 SC or any other group C1 Herbicides.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with registered products from different herbicide group codes.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.

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

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Shake well just before use. Replace lid after use. Half-fill the spray tank with water. Add the required quantity of ATRAFLO 500 SC. Top up with water. Keep the chemical in continuous suspension by means of agitation. After each day's spraying thoroughly flush tank with water.

APPLICATION

Accurately calibrate spray equipment prior to application.

Use fan type nozzles to ensure a uniform coverage.

Apply onto a well prepared seedbed free of clods and with an even surface.

It is preferable that rain should follow within 7 - 10 days after application in order to leach the ATRAFLO 500 SC into the top layer of the soil where it can be absorbed by roots of germinating weeds.

If after application, dry weather conditions should prevail for a period of 7 - 10 days, weeds may germinate and develop. If this happens, a very shallow cultivation with an millepede should follow to control these weeds and to incorporate the herbicide into the top layer of the soil.

Where application is made post-emergence to the crops and weeds, broadleaf weeds should not be beyond the seedling stage, (two leaf stage) and grasses should not have emerged.

Use 200 - 400 litre water/ha for overall application.

Proportionately lesser volumes of water to be used in the case of band treatment.

AERIAL APPLICATION

Aerial application of Atraflo 500 SC may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria are met.

- **Volume:** A minimum volume of 30 – 35 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 20 - 30 droplets per cm² must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 350 - 400 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift & evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 - 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60% to 75% of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the **wind** speed exceeds 15 km/h.
- Stop spraying under **turbulent**, unstable conditions during the heat of the day.
- Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and / or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage)
 - damage to other sensitive crops and / or non-target areas through the movement of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

CROP / SOIL TYPE	DOSAGE / ha	REMARKS
MAIZE Pre-emerge and early post-emerge 10 - 10 % clay 11 - 20 % clay 21 - 30 % clay 31 - 40 % clay 41 - 50 % clay > than 50 %	2,50 ℓ 3,25 ℓ 4,00 ℓ 4,00 ℓ 4,75 ℓ 5,00 ℓ	These application rates are for overall application. Proportionate amounts should be applied in the case of band treatment.
GRAIN SORGHUM 0 - 25 % clay 26 - 30 % clay 31 - 35 % clay 36 - 40 % clay 41 - 55 % clay	----- 4,00 ℓ 4,75 ℓ 4,75 ℓ 5,00 ℓ	Not recommended Post-emergence only when the Sorghum has at least 5 leaves at the time of application. Pre- and Post emergence Pre- and Post emergence
NOTE : Grasses already emerged at time of application will not be controlled. Do not apply ATRAFLO 500 SC to experimental or newly released cultivars of Sorghum without first referring to the Distributor. Do not apply to areas likely to become waterlogged Do not apply to soils with high leaching potential and do not irrigate after application. Under cold and/or high rainfall conditions after application ATRAFLO 500 SC may damage Sorghum, irrespective of soil type. Do not exceed the recommended dosage		

MAIZE AND GRAIN SORGHUM

Post-emergence application as a tank mix with 2,4-D Amine.

This tank mix is recommended for situations when broadleaf weed control becomes desirable after these crops have emerged, except in cases where a full dosage of ATRAFLO 500 SC has already been applied. In this case a direct spray of 2,4-D as described on the 2,4-D products label, is recommended.

CROP / SOIL TYPE	DOSAGE / ha	REMARKS
MAIZE All soils GRAIN SORGHUM Above 16 % clay	2 ℓ Atraflo 500 SC + 0,75 ℓ 2,4-D Amine 480 g/ ℓ	Spray onto actively growing broadleaf weeds when they are not taller than 100 mm. If the crop is already higher than 400 mm, directed spraying is recommended in order to achieve better wetting of the weeds. Do not apply under wet and cold conditions since the crop may then be adversely affected.
IMPORTANT: (Maize & Grain Sorghum) Ensure that sufficient fertiliser is band placed near the seed at planting to promote vigorous seedling growth. Damage may result if ATRAFLO 500 SC is applied to inbred parent plants, especially to the male or pollen parent, of Sorghum and maize cultivars.		
SUGARCANE 0 - 35 % clay > 35 % clay	2,5 ℓ - - -	Apply as a pre-emergence coverall spray. For best results apply immediately before irrigation or before rain is expected. Not recommended
PINEAPPLES 0 - 20 % clay 21 - 35 % clay	3.7 ℓ Atraflo 500 SC plus 3.7 ℓ Ametryn 500 SC 5,2 ℓ Atraflo 500 SC plus 5,2 ℓ Ametryn 500 SC	Early post-emergence treatment (early seedling stage) recommended in situations where a mixed population of grasses and broad-leaved weeds occur and where late germinating weeds are a problem.

WAARSKUWINGS

Giffig indien ingesluk

Bêre weg van voedsel en voer

Hou buite bereik van kinders, oningeligte persone en diere.

LUGTOEDIENING

Stel die inwoners in die onmiddellike omgewing van die land wat bespuit word, in kennis en reik die nodige waarskuwings uit. Moenie oor wateroppervlaktes spuit nie en tref voorsorg dat die spuitnewel nie water of aangrensende gebiede besoedel nie.

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 and ie betrokke middel as gevolg van die versuim deur die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS

Vermyn inaseming van spuitnewel.

Was met seep en water na gebruik.

Voorkom besoedeling van ander gewasse, weiding, riviere, damme en enige gebied nie onder behandeling nie.

Maak toedieningsapparaat deeglik skoon na gebruik en gooi spoelwater uit waar dit nie voedsel, weiding, riviere of damme sal besoedel nie.

Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

Geen vermenging of volmaak van spuittenks moet plaasvind nader as 15 m vanaf boorgate, spruite, riviere en damme nie.

Geen toedienings moet plaasvind nader as 15 m vanaf boorgate, spruite en riviere nie.

Geen toedienings moet plaasvind nader as 60m vanaf damme nie.

Geen terugvloei na boorgate of damme moet plaasvind wanneer Atraflo SC deur die besproeiingsstelsel toegedien word nie.

Keer die leë houer om oor die spuittenk en dreineer vir minstens 30 sekondes nadat die vloeitot 'n gedrup 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 op die voorgeskrewe wyse vernietig word. Vernietig leë houer deur gate daarin te maak en plat te druk. Moet vir geen ander doel gebruik word nie.

SIMPTOME VAN VERGIFTIGING

Vel kontak: Effens skadelik indien in kontak kom met die vel (irriterend). Vel inflammasie word gekenmerk deur jeuking, skilfer, 'n rooi uitslag en somtyds blaasvorming.

NOODHULPBEHANDELING

Inaseming: Indien ingeasem word, neem persoon na area met vars lug. Indien die persoon nie asemhaal nie pas kunsmatige asemhaling toe. Indien asemhaling moeilik is gee suurstof. Kry mediese behandeling.

Opneming: Moet **NIE** braking aanhelp nie, slegs as dit deur 'n mediese persoon aanbeveel word. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie. Maak stywe klere los soos hempkraag, gordel, das en lyfband. Kry mediese behandeling.

Vel kontak: Verwyder besoedelde klere en skoene, spoel die besmette liggaamsdele af met baie water vir ten minste 15 minute. Bedek die besmette vel met 'n versagtende middel. Koue water mag gebruik word. Was klere voor hergebruik. Kry mediese behandeling.

Oog kontak: Kyk vir en verwyder kontak lense. Besmette oë moet onmiddelik met skoon water vir ten minste 15 minute uitgespoel word. Hou ooglede oop. Koue water mag gebruik word. Kry mediese behandeling.

NOTA AAN GENEESHEER:

Behandel simptome.

GEBRUIKSBEPERKINGS

1. Om skade aan opvolggewasse te voorkom moet die volgende wagperiodes in ag geneem word : -

- | | | |
|---|---|-----------|
| a) Mielies en suikerriet | - | Geen |
| b) Graansorghum en Pynappels | - | 12 maande |
| c) Sonneblomme, grondbone, sojabone, aartappels, droëbone, voersorghum & kleingraan | - | 18 maande |
| d) Alle ander gewasse ('n toetsplanting word egter aanbeveel) | - | 24 maande |
| e) Waar die hoeveelheid toegedien nie 2,0 P /ha oorskry nie, kan die wagperiodes onder (b) en (c) hierbo genoem, tot 9 maande verkort word, behalwe op die sand gronde van die Noord Wes Provinsie en Noord-Wes Vrystaat wat 0 - 10 % klei bevat. | | |

NOTA : Bogenoemde wagperiodes geld slegs indien die korrekte hoeveelheid Atraflo 500 SC per grondsoort toegedien is en normale of bogemiddelde reënval gedurende seisoen waarin Atraflo 500 SC toegedien is en daarna voorgekom het.

2. Waar Atraflo 500 SC toegedien is aan gronde wat uitsit by natwording en kraak of krummel tydens uitdroging soos bv. turfgronde, mag dit veel langer aktief bly in die grond as wat deur bostaande wagperiodes aangedui word. Gevolglik moet Atraflo 500 SC nie op sodanige gronde toegedien word nie indien dit beoog word om Atraflo 500 SC gevoelige gewasse in die voorsienbare toekoms daarop te plant nie. Op hierdie gronde mag onkruid ook nie bevredigend deur 'n vooropkomstoediening van Atraflo 500 SC beheer word nie.
3. Moenie Atraflo 500 SC toedien aan ingeteelde ouerplante van mielie- en graansorghum baster, proef - of nuutvrygestelde mielie- of graansorghum cultivars sonder om eers die vervaardiger of saadverskaffer te raadpleeg nie.

Springbokvlaktegebied : Atraflo 500 SC word nie normaalweg aanbeveel nie. Indien u dit wil gebruik raadpleeg eers die firma se verteenwoordiger.

WEERSTANDSWAARSKUWING:

ATRAFLO 500 SC is 'n groep C1 onkruid doders. Enige populasie van 'n spesifieke onkruid spesie mag individue insluit wat 'n natuurlike weerstand teen ATRAFLO 500 SC of enige ander groep C1 onkruid doders het. Indien hierdie onkruid doders herhaaldelik aangewend word, kan die weerstand biedende individue uiteindelik die onkruid populasie oorheers. Hierdie weerstand biedende onkruid sal waarskynlik nie deur ATRAFLO 500 SC of enige ander groep C1 onkruid doders beheer word nie.

Om weerstand teen onkruid doders te vertraag:

- Verminder die eksklusiewe herhaaldelike gebruik van onkruid doders met dieselfde groepkode. Wissel af met, of gebruik tenkongsels van produkte in verskillende onkruid doder groepcodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruid doder programme.

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

GEBRUIKSAANWYSINGS

(Gebruik alleenlik soos aangedui)

Skud baie deeglik net voor gebruik. Plaas deksel terug na gebruik. Maak die spuittenk halfvol met water. Voeg die aanbevole hoeveelheid Atrflo 500 SC by. Vul die tenk met water. Hou die middel in die spuittenk voortdurend in suspensie deur roering. Aan die einde van die dag moet die spuittenk met water uitgespoel word.

TOEDIENING

Kalibreer spuittoerusting noukeurig voor toediening. Gebruik waaiertipe spuitpunte wat 'n eweredige bedekking gee. Dien toe op 'n goed voorbereide saadbed sonder kluite en wat 'n ferm en gelyk oppervlak het. Dit is verkieslik dat reën binne 7 - 10 dae na toediening volg sodat die Atrflo 500 SC in die bogrond ingewas kan word, waar dit deur die wortels van ontkiemende onkruid opgeneem word. Indien droë weersomstandighede vir 'n periode van 7 - 10 dae na toediening voortduur, mag onkruid ontkiem en ontwikkel. Waar dit gebeur, word aanbeveel dat 'n baie vlak bewerking met 'n roltandeg uitgevoer word om die onkruid te vernietig en die onkruid doder met die boonste grondlaag te meng. Waar toediening na opkoms van die gewas en onkruid geskied, moet breëblaaronkruid nie groter as die saailingstadium (2-blaarstadium) wees nie en grasse nog nie opgekom het nie. Vir algehele toediening gebruik 200 - 400 liter water/ha. Gebruik dienooorkomstig minder water in geval van strookbehandeling.

LUGTOEDIENING

ATRAFLO 500 SC kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met korrek gekalibreerde, geregistreerde vliegtuig het volgens die instruksies van SANS Kode 0118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitmengsel volume van 30 – 35 l per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 20 – 30 druppels / cm² moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 350 - 400 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 – 4 meter. Moet nie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders binne die binne 60 – 75 % van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.
- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaihygrometer moet nie 8°C oorskry nie.
- Stop bespuiting indien die **windspoed** 15 km / h oorskry.
- Stop bespuiting tydens **turbulente**, onstabiele en droë toestande gedurende die hitte van die dag.

- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en / of hoë lugvog toestande (relatiewe humiditeit 80 % en meer) mag tot volgende probleme aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry data an al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

GEWAS/GROND TIPE	DOSIS / ha	OPMERKINGS
MIELIES Voor-opkom en vroeë na-opkom 10 - 10 % klei 11 - 20 % klei 21 - 30 % klei 31 - 40 % klei 41 - 50 % klei > as 50 % klei	2,50 ℓ 3,25 ℓ 4,00 ℓ 4,00 ℓ 4,75 ℓ 5,00 ℓ	Hierdie toedieningshoeveelhede is vir algehele toediening. Vir strookbehandeling moet dienoreenkomstig minder/ha toegedien word.
GRAANSORGHUM 0 - 25 % klei 26 - 30 % klei 31 - 35 % klei 36 - 40 % klei 41 - 55 % klei	----- 4,00 ℓ 4,75 ℓ 4,75 ℓ 5,00 ℓ	Nie aanbeveel nie Alleenlik na-opkom wanneer die Sorghum ten minste 5 blare het as toediening geskied. Voor- en na-opkoms Voor- en na-opkoms
NOTA : Grasse wat tydens toediening alreeds op is, sal nie beheer word nie. Moenie Atraflo 500 SC op eksperimentele of nuut vrygestelde cultivars toedien voor die Verspreider geraadpleeg is nie. Moenie toedien op lande wat moontlik kan versuip nie. Moenie op gronde met 'n hoë loogpotensiaal gebruik nie en moenie na toediening besproei nie. Indien koue en/of nat toestande intree nadat Atraflo 500 SC toegedien is, mag Sorghum beskadig word, ongeag die grondsoort. Moenie die aanbevole toedieningshoeveelhede oorskry nie.		

MIELIES EN GRAANSORGHUM

Na-opkoms toediening as 'n tenkmengsel saam met 2,4-D Amien. Hierdie tenkmengsel word aanbeveel vir situasies waar daar 'n behoefte is aan breëblaar beheer, na-opkom van genoemde gewasse behalwe in gevalle waar 'n volle dosis van Atrasien reeds toegedien is. In hierdie gevalle word 'n gerigte na-opkom toediening van 2,4-D aanbeveel soos op die 2,4-D etikette aangedui

GEWAS / GROND TIPE	DOSIS/ha	OPMERKINGS
MIELIES Alle grond tipes GRAANSORGHUM Meer as 16% klei	2 ℓ Atraflo 500 SC plus 0,75 liter 2,4-D Amien 480 g/ℓ	Spuit op die aktief groeiende breëblaaronkruid wanneer hulle nie hoër as 100 mm is nie. As die gewas alreeds hoër as 400mm is, word gerigte bespuiting aanbeveel om sodoende beter benatting van die onkruid te verkry. Moet nie onder nat of koue toestande toedien nie, aangesien die gewas onder sulke toestande moontlik benadeel kan word.
BELANGRIK : (MIELIES & SORGHUM) Maak seker dat voldoende kunsmis tydens plant in 'n strook naby die saad geplaas word om die groei van saailinge te bevorder. Ingeteelde ouerplante van mielie en Sorghum cultivars, veral die mannetjieplant of stuifmeelouer kan beskadig word as Atraflo 500 SC op hulle toegedien word.		
SUIKERRIET 0 - 35 % klei	2,5 ℓ	Dien as 'n algehele voor-opkom bespuiting toe. Bespuit onmiddellik voor besproeing of net voordat reën verwag word, om goeie resultate te verkry
> 35 % klei	- -	Nie aanbeveel nie
PYNAPPELS 0 - 20 % klei	3,7 ℓ Atraflo 500 SC plus 3,7 ℓ Ametryn 500 SC	Vroeë na-opkom behandeling (vroë saailing stadium) aanbeveel in gevalle waar 'n gemengde plantegroei van grasse en breëblaaronkruid voorkom en waar laat ontkiemende onkruid 'n probleem is.
21 - 35 % klei	5,2 ℓ Atraflo 500 SC plus 5,2 ℓ Ametryn 500 SC	

SOME WEED SPECIES NORMALLY CONTROLLED :

SOMMIGE ONKRUIDSOORTE WAT NORMAALWEG BEHEER WORD :

Broadleaf Weeds / Brëeblaaronkruidsoorte

<i>Acanthospermum australe</i>	Australian starbur	Australiese sterklits
<i>Acanthospermum glabratum</i>	Prostrate starbur	Kruipsterklits
<i>Acanthospermum hispidum</i>	Upright starbur	Regopsterklits
<i>Amaranthus deflexus</i>	Pigweed	Misbredie
<i>Amaranthus hybridus</i>	Cape pigweed	Kaapse misbredie
<i>Amaranthus spinosus</i>	Thorny pigweed	Doringmisbredie
<i>Amaranthus thunbergii</i>	Red pigweed	Roomisbredie
<i>Bidens bipinnata</i>	Spanish blackjack	Spaanse knapsekêrel
<i>Bidens pilosa</i>	Common blackjack	Gewone knapsekêrel
<i>Chenopodium album</i>	White goosefoot	Withondebossie
<i>Chenopodium carinatum</i>	Green goosefoot	Groen hondebossie
<i>Cleome monophylla</i>	Single leafed cleome	Enkelblaar cleome
<i>Cleome rubella</i>	Cleome	Mooinoointjie
<i>Commelina benghalensis</i>	Bengal commelina	Bengaalse commelina
<i>Cosmos bipinnatus</i>	Cosmos	Kosmos
<i>Crotalaria phaerocarpa</i>	Wild lucerne	Wildelusern
<i>Datura ferox</i>	Large thorn apple	Grootstinkblaar
<i>Datura stramonium</i>	Common thorn apple	Gewone stinkblaar
<i>Galinsoga parviflora</i>	Small flowered quick	Knopkruid
<i>Gisekia pharnaccoides</i>	Gisekia	Gisekia
<i>Hibiscus trionum</i>	Bladder Hibiscus	Terblansbossie
<i>Hibiscus cannabinus</i>	Wild stock rose	Wildestokroos
<i>Nicandra physaloides</i>	Apple of Peru	Basterappelliefie
<i>Physalis angulata</i>	Wild physalis	Wilde-appelliefie
<i>Richardia brasiliensis</i>	Mexican Richardia	Meksikaanse Richardia
<i>Schkuhria pinnata</i>	Dwarf marigold	Klein kakiebos
<i>Tagetes minuta</i>	Tall khakiweed	Lang kakiebos
	(Limited late season control)	(Beperkte laat seisoen beheer)
<i>Vigna Vexilata</i>	Wild cowpea	Wilde akkerboontjie

Grass species / Grassoorte :

<i>Eleusine indica</i>	Goose grass	Jongosgras
<i>Setaria pallide-fusca</i>	Garden bristle grass	Tuinsetaria

If dry conditions prevail for a period of 7-14 days after a pre-emergence application, the following weed species may not be adequately controlled, especially on heavy soils:

Indien droë weerstoestande voortduur vir 'n tydperk van 7-14 dae na 'n vooropkomsbespuiting mag die volgende onkruidsoorte nie na wense beheer word nie, veral op swaarder grond:

Cosmos bipinnatus, *Commelina benghalensis*, *Datura spp*, *Eleusine indica*

Under normal wet conditions late season control may not be adequate.

Onder normale nat toestande mag laatseisoenbeheer nie na wense wees nie.