

ATRAZINE 900 WG

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

GEBRUIKSAANWYSINGS INGESLUIT
VERWYS NA BESONDERHEDE
SOOS OP HOUER / SAK GEDRUK

Lotonummer
Datum van vervaardiging

ATRAZINE 900 WG

HERBICIDE



Reg. No. L8890, Act/Wet No. 36 of/van 1947

1: 23/05/2012

A water dispersible granule herbicide for the control of annual grasses and broadleaf weeds in crops as listed.

'n Waterdispergeerbare korrel onkruidodder vir die beheer van eenjarige grasse en breëblaaronkruide in gewasse soos aangedui.

HRAC HERBICIDE GROUP CODE	C1	HRAC ONKRUIDDODDERGROEPEKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Atrazine (triazine)	900 g/kg	Atrasien (triasien)

Registration Holder / Registrasiehouer
Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.
 Reg. No. 2000/010819/07
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid- Afrika

20kg



UN Number: 3077



CAUTION / VERSIGTIG



WARNINGS

- Poisonous when swallowed.
- Store in a cool dry place away from food, feed and seed.
- Keep out of reach of children, uninformed persons and animals.
- Aerial application: Notify all inhabitants of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water of adjacent areas.
- **Re-entry:** Do not enter treated field within 1 day after application unless wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal, or for lack of performance of the remedy concerned due to failure by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Avoid inhalation of spray and fumes.
- Wear suitable protective clothing and gloves.
- Wash with soap and water after use.
- Prevent spray drift onto other crops, grazing, rivers, dams or any area not under treatment.
- Prevent contamination of food, drinking water and eating utensils.
- Do not apply where the roots of desirable plants can absorb the chemical.
- Do not mix and load at least 15m from boreholes, streams, rivers or dams.
- Do not apply within at least 60m from dams. Ensure that no back siphoning to boreholes take place when applied through the irrigation system.
- Thoroughly wash and rinse spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

USE RESTRICTIONS

- A.** To avoid damage to follow on crops, the following waiting periods should be taken into consideration when applying **ATRAZINE 900WG**:

a) Maize and sugarcane	None
b) Grain sorghum	12 months
c) Sunflower, small grain, dry beans, groundnuts, soyabeans, fodder sorghum and potatoes.	18 months
d) All other crops (a test planting is however recommended).	24 months

Where the total rate of **ATRAZINE 900WG** applied per season 1.1kg/ha (equivalent to 1.0kg Atrazine active), the waiting periods mentioned under b and c can be reduced to 9 months. Except in the case of the sandy soils in the North West province and North West Free State which contain 0 - 10% clay. Where the total rate of atrazine active exceeds 1.0kg/ha, but does not exceed the recommended dosage rate of atrazine active per soil type, follow the use restrictions a) to d)

NOTE: The above mentioned waiting periods will only be valid if the correct quantity of **ATRAZINE 900WG** 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 application was made.

- B.** If **ATRAZINE 900WG** is applied to soils which expand on wetting, and crack or crumble on drying, such as turf soils, **ATRAZINE 900WG** may remain active in the soil for longer than the above mentioned waiting periods. Thus **ATRAZINE 900WG** should not be applied if there is a possibility of planting Atrazine-sensitive crops in the foreseeable future. Weeds on these soils may also not be adequately controlled by a pre-emergence application of **ATRAZINE 900WG**.
- C.** Do not apply **ATRAZINE 900WG** to inbred parent lines of maize and grain sorghum cultivars as well as experimental or newly released cultivars without first consulting the manufacturer or seed supplier.

- D. Under cold and/or very wet conditions, **ATRAZINE 900WG** can cause damage to grain sorghum.
- E. Do not apply **ATRAZINE 900 WG** to any crop or situation not mentioned in this instruction leaflet

RESISTANCE WARNING:

For resistance management **ATRAZINE 900WG** is a group code **C1** herbicide. Any weed population may contain individuals naturally resistant to **ATRAZINE 900WG** and other group codes **C1** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **ATRAZINE 900WG** or any other group codes **C1** herbicide.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes.
- Integrate the 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

MIXING INSTRUCTIONS

Half fill the spray tank with water. Mix the required amount of **ATRAZINE 900WG** separately in water and then add to the spray tank. Top up with water. Keep the chemical in continuous suspension by means of agitation. After each day's spraying, flush tank out thoroughly with water.

COMPATIBILITY

The compatibility of **ATRAZINE 900WG** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. **ATRAZINE 900WG** is compatible with most pyrethroid insecticides, **Prefix S EC**, **CYCLONE**, **Unimoc EC**, **Acetak EC** and **Trooper SL**.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. Knapsack sprayers or tractor mounted boom sprayers may be used. A spray volume of 200-300 l/ha should be used for ground application and can be applied via flat fan-type nozzles, preferably the low drift type to avoid fine droplets. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

GROUND APPLICATION:

ATRAZINE 900WG can be applied by means of any medium to high volume spray apparatus, provided that the apparatus has an effective mixing mechanism, is able to spray the tankmix evenly over the target area and is correctly calibrated. The use of a flat-fan nozzle is recommended.

PRE-EMERGENCE: To control the full **ATRAZINE 900WG** weed spectrum, **ATRAZINE 900WG** should be applied during or immediately after planting to a freshly cultivated weed-free seedbed that has an even, firm surface, is free of large clods and excessive plant rests. It is preferable that rain should follow within 7 to 10 days after application in order to leach the **ATRAZINE 900WG** into the top layer of the soil where it can be absorbed by the roots of the germinating weeds. If, after application, dry weather conditions should prevail for a period of 7 to 10 days, weeds may germinate and develop. If this happens, a light cultivation should follow to control these weeds and to incorporate the **ATRAZINE 900WG** into the top layer of the soil.

POST EMERGENCE: When application is made post-emergence to the crop and weeds, broadleaf weeds should not be beyond the seedling stage (two-leaf stage) and grasses should not have emerged. Use 200 to 400 litres of water per hectare for overall application and accordingly lesser volumes of water in the case of band treatment.

AERIAL APPLICATION

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SABS Code 0118 (Aerial Application of Agricultural Remedies). It is important to 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 be met;

Equipment

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage of the target area and will ensure the minimum loss of product through drift.
- The operator must use a nozzle set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles and atomisers should be positioned within the inner 75% of the wingspan to prevent droplets from entering the wingtip vortices.

Application Parameters

- A minimum volume of 40 l spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended.
- A droplet coverage of 30 – 40 droplets per sq cm must be recovered at the target.
- A droplet spectrum with a VMD of 250 – 280 microns is recommended. Ensure that the production of fine droplets, with a VMD less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at between 3 and 4m above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn or during a dive or when banking.
- Apply before the crop growth becomes too dense, which will interfere with overall plant coverage.

Meteorological Conditions

- The difference between the wet and dry bulb readings as determined by a whirling hygrometer, must not exceed 8 °C.
- Do not spray under turbulent, unstable conditions nor during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer).
- Do not spray when the wind speed exceeds 15 km per hour.

General

- Ensure that fields are accurately marked and 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.

Pre-emergence aerial application:

- A minimum spray volume of 40 l/ha.
- A minimum of 20 to 30 droplets per cm² must be recovered on the target area.
- Employ a droplet spectrum with VMD of 450 micron. Ensure that the production of fine droplets (less than 150 microns with high drift and evaporation potential) is restricted to a minimum.

RECOMMENDATIONS

MAIZE (Pre-emergence in tank mixture with PREFIX S EC)

% CLAY	ATRAZINE 900WG	PREFIX S EC	REMARKS
0 – 10	1,0 – 1,4 kg/ha	0,75 – 1,25	These application rates are for overall application herbicide. Proportionately lower amounts should be applied in the case of band treatment.
11 – 20	1,1 – 1,8 kg/ha	1,25 – 1,75	
21 – 30	1,4 – 2,2 kg/ha	1,75 – 2,0	
31 – 40	2,0 – 2,6 kg/ha	2,0 – 2,25	
41 - 55	2,0 – 2,8 kg/ha	2,25	

MAIZE (Pre-emergence in tank mixture with CYCLONE and PREFIX S EC)

% CLAY	ATRAZINE 900WG	PREFIX S EC	CYCLONE	REMARKS
0 – 10	0,17 – 0,47 kg/ha	0,5	0,25 – 0,7	These application rates are for overall application herbicide. Proportionately lower amounts should be applied in the case of band treatment.
11 – 15	0,17 – 0,47 kg/ha	0,75	0,25 – 0,7	
16 – 20	0,33 – 0,5 kg/ha	0,9	0,5 – 0,75	
21 – 50	0,33 – 0,5 kg/ha	1,0	0,5 – 0,75	

MAIZE (Early post-emergence in tank mixture with **TROOPER sl** or **2,4-D amine**)

ATRAZINE 900WG	TROOPER SL	2,4-D amine	REMARKS
1,1 kg/ha	0,5 L/ha	0,75 L/ha	Apply from full emergence of the maize crop until a height of 30 cm has been reached. Where the maize crop exceeds 30 cm in height, drop arms should be used to direct the spray beneath the leaf canopy of the maize. Ensure in all cases that the spray mixture reaches the target. Spray when weeds are in the 3-6 leaf stage. Add the recommended rate of an approved penetrant such as Performer, Penetrex, Solitaire.

Remarks

The mixture of **ATRAZINE 900WG** plus 2,4-D amine may be used on both maize and grain sorghum provided the sorghum field's clay content is greater than 15%.

NOTE:

Do not exceed the recommended dosage rates.

Do not apply to areas likely to become waterlogged.

Do not apply to soils with high leaching potential.

Do not irrigate after application. Under cold conditions and/or where high rainfall is expected after application, **ATRAZINE 900WG** may damage sorghum, irrespective of the soil type.

IMPORTANT FOR MAIZE AND GRAIN SORGHUM:

Make sure that sufficient fertilizer is applied and correctly placed at the time of planting to promote the growth of the seedlings.

MAIZE (Minimum tillage or Stubble mulching):

Where minimum tillage or stubble mulching is practised, weeds may already have come up at the time of planting. If maize is planted under such circumstances, or if they are planted into an old seedbed where grasses have already germinated and/or broadleaf weeds have developed past the four-leaf stage, it is recommended that paraquat be added to the **ATRAZINE 900WG** spray solution, at a dosage rate recommended by the manufacturer. The paraquat will destroy the existing weeds and create a clean pre-emergence condition that will allow **ATRAZINE 900WG** to work effectively.

NOTE:

1. When paraquat is added, the application must take place before the crop emerges otherwise paraquat will cause damage to the crop.
2. In case of minimum tillage or stubble mulching, the amount of stubble and organic material at the soil surface may reduce the efficacy of **ATRAZINE 900WG**. The representative of the manufacturer or distributor should be consulted.

SUGARCANE**Light to Medium soil up to 35% clay content apply 1,1 kg/ha ATRAZINE 900WG**

For the control of annual grasses and broadleaf weeds on light to medium soils, apply **ATRAZINE 900WG** in tankmix with a registered grasskiller, such as **ACETAK 900 EC** (L. 6904) or **Unimoc EC** (L. 7341), is recommended as a pre emergence overall spray immediately after planting and before weed emergence. For best results, apply shortly irrigation or before rain is expected. Consult the label of the specific grasskiller for application rates.

PINEAPPLES

% CLAY	RATE OF ATRAZINE 900WG	REMARKS
0 – 20	2,1kg/ha + 3.6 L/ha ametryn 500 SC	Early post-emergence treatments are recommended where a mixed population of grasses and broadleaf weeds have occurred and also where later germinating weeds are a problem.
21 – 35	2,9 kg/ha + 5,2 L/ha ametryn 500 SC	
Above 35	Not recommended	

WEEDS CONTROLLED BY ATRAZINE 900WG:

Broadleaf weeds species (pre-emergence only)

<i>Acanthospermum australe</i>	Eight-seeded starbur
<i>Acanthospermum glabratum</i>	Prostrate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i>	Cosmos
<i>Bidens pilosa</i>	Common Blackjack
<i>Chenopodium album</i>	White Goosefoot
<i>Chenopodium carinatum</i>	Green Goosefoot
<i>Cleome monophylla</i>	Single leaf cleome
<i>Cleome rubella</i>	Pretty Lady
<i>Commelina benghalensis</i>	Bengal Wandering Jew
<i>Crotalaria sphaerocarpa</i>	Wild Lucerne
<i>Datura ferox</i>	Common thorn apple
<i>Datura stramonium</i>	Large thorn apple
<i>Galinsoga parviflora</i>	Small flowered quick weed
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus trionum</i>	Bladder hibiscus
<i>Hibiscus cannabinus</i>	Wild stockrose
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Common purslane
<i>Richardia brasiliensis</i>	Mexican richrdia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Wild sweetpea
<i>Vigna vexillata</i>	

Grass species (pre-emergence)

<i>Eleusine coracana</i>	Goosegrass
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Chloris virgata</i>	Feather top chloris
<i>Panicum schinzii</i>	Vlei panicum
<i>Setaria verticillata</i>	Bur bristle grass

If dry conditions prevail for a period of seven to fourteen days after application the following weed species may not be adequately controlled, especially in heavy soils:

Bidens formosa
Datura spp
Eleusine coracana
Commelina benghalensis
Panicum schinzii
Chloris virgata
Tagetes minuta

NOTE: Resistant strains of this weed may not be controlled.

NOTE: This product mainly controls some grasses and numerous annual broadleaf weeds, however, other annual broadleaf weeds that were not present during the development trials with the product, may also be controlled to a certain degree. The registration holder still does not accept any responsibility for the control of weeds not listed on the label.

Under abnormally wet conditions the late season control of weeds may not be adequate. To control a broader spectrum of annual grasses, **ATRAZINE 900WG** can be applied in a tank mixture or as a separate application in combination with a registered grasskiller. **ATRAZINE 900WG** is compatible in a spray mixture with all presently registered grasskillers. Consult the labels of the specific grasskillers for

the application rates, as well as for the specific **ATRAZINE 900WG** application rates to be used when mixtures are applied. The directions for use on labels concerned must be followed closely.

NOTE: Where **ATRAZINE 900WG** is used in combination with EPTC in maize, at least two-thirds of the recommended rate of **ATRAZINE 900WG** should be used according to soil type.

The registration holder does not accept any liability in respect of the control of unlisted weeds.

ACKNOWLEDGEMENT OF TRADEMARKS

Prefix S EC, CYCLONE, Unimoc EC, Acetak EC and Trooper SL are trademarks of Meridian Agrochemical Company (Pty) Ltd.

WAARSKUWINGS

- Giftig wanneer ingesluk.
- Berg in 'n koel, droë plek weg van voedsel, voer en saad.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Lugtoediening:** Stel al die inwoners in die onmiddellike omgewing van die gesied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie spuit oor of toelaat dat spuitnewel water of aangrensende gebiede besoedel nie.
- **Herbetreding:** Moet nie behandelde gebied binne 1 dag na behandeling binnegaan nie tensy beskermende klere gedra word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, het die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats-en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Die registrasiehouer aanvaar nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om die etiketaanwysings na te volg, of aan die voorkoms van toestande wat in terme van die registrasie kan nie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS

- Vermy inaseming van dampe of spuitnewel.
- Dra geskikte beskermende klere en handskoene.
- Was met seep en water na gebruik.
- Voorkom spuitstofwegdrywing na ander gewasse, weiding, riviere, damme of enige gebied wat nie onder behandeling is nie.
- Voorkom besoedeling van voedsel, drinkwater en eetgerei.
- Moet nie spuit waar die wortels van gewenste plante die middel kan opneem nie.
- Geen vermenging, of volmaak van spuittenk moet plaasvind nader as 15m vanaf boorgate, strome, riviere of damme nie. Geen toediening moet plaasvind nader as 60 m vanaf damme nie. Verseker dat geen terugspeling boorgate plaasvind wanneer dit deur die besproeiingstelsel toegedien word nie.
- Was deeglik en spoel spuittoerusting na gebruik en gooi waswater waar dit gewasse, weiding, riviere en damme sal besoedel nie.

GEBRUIKSBEPERKINGS

- A. Om skade aan opvolggewasse te vermy, moet die volgende wagperiodes toegepas word.

a) Mielies en suikerriet	Geen
b) Graansorghum	12 maande
c) Sonneblom, kleingraan, droëbone, grondbone, sojabone, voersorghum en aartappels	18 maande
d) Alle ander gewasse ('n toetsplanting word egter aanbeveel).	24 maande

Waar die totale hoeveelheid van **ATRAZINE 900WG** per seisoen toegedien per nie 1.1kg/ha in die deidoen oorskry nie (ekwivalent 1.0kg atrasiën aktief), kan die wagperiodes onder B en C verminder word na 9 maande. Behalwe in die geval van sanderige gronde in die Noordwes provinsie en Noord-Wes Vrystaat wat 0 - 10% klei bevat.

Waar die totale hoeveelheid atrasiën aktief, 1.0kg/ha oorskry, maar nie meer as die aanbevole dosis volgens die grondtipe oorskry nie oorskry nie, volg die beperkings a) tot d)

Nota: Die bogenoemde wagperiodes sal slegs geldig wees indien die korrekte hoeveelheid van **ATRAZINE 900WG** volgens die grondsoort toegedien was en normale of bogemiddelde reënval gedurende die seisoen waarin **ATRAZINE 900 WG** toegedien is en daarna voorgekom het.

- B. Indien **ATRAZINE 900WG** toegedien word op gronde wat uitsit by natwording en kraak of krummel by uitdroging, soos byvoorbeeld turfgronde, mag **ATRAZINE**

900WG

aktief bly in die nie grond vir langer as wat deur bostaande wagperiodes aangedui word. So **ATRAZINE 900WG** moet nie toegedien word indien daar 'n moontlikheid is van die plant van Atrasien-gevoelige gewasse in die afsienbare toekoms. Onkruid op hierdie gronde mag ook nie voldoende beheer word deur 'n vooropkoms toediening van **ATRAZINE 900WG** nie.

- C. Moenie **ATRAZINE 900WG** aan ingeteelde ouerplante van mielies en Graansorghum kultivars, asook die eksperimentele of nuut vrygestelde kultivars gebruik alvorens die vervaardigers of saadverspreiders geraadpleeg is nie.
- D. Onder koue en / of baie nat toestande, **ATRAZINE 900WG** kan skade aan Graansorghum veroorsaak.
- E. Moet nie **ATRAZINE 900 WG** toedien op enige gewas of situasie wat nie op hierdie etiket aangedui is nie.

WEERSTANDSWAARSKUWING:

Vir weerstand bestuur **ATRAZINE 900WG** is 'n groepkode C1 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **ATRAZINE 900WG** en ander groepkodes C1 onkruidodder het. Die weerstandbiedende individue kan uiteindelik die onkruidpopulasie domineer as hierdie onkruidodders herhaaldelik aangewend word. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur die **ATRAZINE 900WG** of enige ander groep kode C1 onkruidodder beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode.
- Wissel af met of gebruik tenkmengsels van produkte in verskillende onkruidodder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidodder programme.

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

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui

MENGINSTRUKSIES

Maak die spuittenk halfvol met water. Meng die aanbevole hoeveelheid van **ATRAZINE 900WG** apart in water en voeg in die spuittenk. Vul met water. Hou die middel voortdurend in suspensie deur roering. Na elke dag se bespuiting, spoel die spuittenk deeglik uit met water.

VERENIGBAARHEID

Die verenigbaarheid van **ATRAZINE 900WG** met ander produkte hang af van die formulering van die betrokke produkte asook die kwaliteit van die spuitwater. Omdat formuleringe kan verander van tyd tot tyd word dit aanbeveel dat 'n fisiese verenigbaarheidstoets uitgevoer word voor die tenkmengsel gemaak word. **ATRAZINE 900WG** is verenigbaar met die meeste piretroïed insekdoder, **PREFIX S EC**, **CYCLONE**, Unimoc EC, Acetak EC en Trooper SL.

TOEDIENINGSMETODES

Maak seker dat die spuittoerusting korrek gekalibreer is en gereeld nagegaan word tydens toediening om egalig en akkuraat toediening te verseker. Rugsakspuite of 'n konvensionele spuitbalk kan gebruik word. 'n Spuitvolume van 200-300 l / ha moet gebruik word vir grondtoediening en dit kan toegedien word met platwaaier spuitpunte, verkieslik die lae dryf tipe om fyn druppels te voorkom. **Konstante roering regdeur die spuitoperasie is noodsaaklik.** Gebruik net skoon water vir toediening.

Grondtoediening:

ATRAZINE 900WG kan deur middel van enige medium tot hoëvolume spuitapparaat toegedien word, met dien verstande dat die apparaat 'n effektiewe vermenging meganisme het, in staat is om die tenkmengsel eweredig oor die teikengebied spuit en korrek gekalibreer is. Die gebruik van 'n plat-fan nossle word aanbeveel.

VOOROPKOMS: Om die volle **ATRAZINE 900WG** onkruidspektrum te beheer, moet **ATRAZINE 900WG** toegepas word tydens, of onmiddellik na plant, tot 'n vars gekweek onkruidvrye saadbed dat die het 'n nog ferm oppervlak hê, is vry van groot kluite en oormatige plantreste. Dit is verkieslik dat reën binne 7 tot 10 dae na toediening plaasvind om die **ATRAZINE 900WG** in die boonste laag van die grond te loog waar dit geabsorbeer word deur die wortels van die ontkiemende onkruid moet volg. Indien, na toediening, droë weerstoestande voortduur vir 'n tydperk van 7 tot 10 dae, mag onkruid ontkiem en ontwikkel. As dit gebeur, moet 'n ligte bewerking volg hierdie onkruid te vernietig en die **ATRAZINE 900WG** in die boonste laag van die grond te neem.

NA-OPKOMS: Waar toediening na-opkoms van die gewas en onkruid gemaak word, moet die breëblaaronkruid nie verder as die saailingstadium (2-blaarstadium) wees nie en grasse moet nog nie

opgekom het nie. Gebruik 200 tot 400 liter water per hektaar vir algehele toediening en dienooreenkomstig minder water in die geval van strookbehandeling.

LUGTOEDIENING

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SABS Kode 0118 (Aerial Application of Agricultural Remedies) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus noodsaaklik dat die volgende kriteria nagekom word;

Toerusting

- Gebruik geskikte atomiseringsapparaat (hidroliese of roterende spuitkoppe) wat die vereiste druppelgrootte en bedekking van die teiken sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n spuitstelsel-up wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 75% van die vlerkspan geplaas word om die beweging van druppels in die vlerkpuntvorteks te beperk.

Toedieningsvereisters

- 'n Minimum volume van 40 ℓ spuitmengsel per ha word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, uit die lug toegedien word nie.
- 'n Druppelbedekking van 30 - 40 druppels per vk cm moet op die teikenarea herwin word.
- 'n Druppelspektrum met 'n VMD van 250 - 280 mikron word aanbeveel. Maak seker dat die produksie van fyn druppels, met 'n kleiner as 150 mikron is, tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet tussen 3 en 4m bo die teiken gehandhaaf word.
- Moet nie spuit wanneer die vliegtuig in te klim, aan die bopunt van 'n draai is of tydens 'n duik of terwyl dit uitklim nie.
- Dien toe voordat die gewas te dig word aangesien dit sal inmeng met 'n algehele bedekking.

Meteorologiese toestande

- Die verskil tussen die nat-en droëboltermometer lesings, soos bepaal deur 'n swaaihigrometer, moet nie 8 ° C oorskry nie.
- Moet nie toedien tydens turbulente, onstabiele weerstoestande of gedeurende die hitte van die dag wanneer stygende en dalende konveksie windbeweging plaasvind nie.
- Moenie toedien onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) nie.
- Moenie spuit indien die windspoed 15 km per uur oorskry nie.

Algemeen

- Verseker dat die lande akkuraat gemerk is en dat die spuitoperateur presies weet watter lande gespuit moet word.
- Verkry versekering van die spuitoperateur dat aan die bogenoemde vereistes voldoen sal word.

Voor-opkoms toediening:

- 'n Minimum spuitvolume van 40 ℓ / ha.
- 'n Minimum van 20 tot 30 druppels per cm² moet op die teikengebied herwin word.
- Gebruik 'n druppelspektrum met 'n VMD van 450 mikron. Verseker dat die produksie van fyn druppels (kleiner as 150 mikron met hoë drywing en verdampingspotensiaal) tot 'n minimum beperk word.

AANBEVELINGS

MIELIES (Voor-opkoms tenkmengsel met PREFIX S EC)

% KLEI	ATRAZINE 900WG	PREFIX S EC	OPMERKINGS
0 – 10	1,0 – 1,4 kg/ha	0,75 – 1,25	Hierdie toedieningshoeveelhede is vir algehele toediening onkruidodder. Proporsioneel laer bedrae moet toegepas word in die geval van strookbehandeling.
11 – 20	1,1 – 1,8 kg/ha	1,25 – 1,75	
21 – 30	1,4 – 2,2 kg/ha	1,75 – 2,0	
31 – 40	2,0 – 2,6 kg/ha	2,0 – 2,25	
41 - 55	2,0 – 2,8 kg/ha	2,25	

MIELIES (Voor-opkoms tenkmengsel met **CYCLONE** en **PREFIX S EC**)

% CLAY	ATRAZINE 900WG	PREFIX S EC	CYCLONE	REMARKS
0 – 10	0,17 – 0,47 kg/ha	0,5	0,25 – 0,7	Hierdie toedieningshoeveelhede is vir algehele toediening onkruidodder. Proporsioneel laer bedrae moet toegepas word in die geval van strookbehandeling.
11 – 15	0,17 – 0,47 kg/ha	0,75	0,25 – 0,7	
16 – 20	0,33 – 0,5 kg/ha	0,9	0,5 – 0,75	
21 – 50	0,33 – 0,5 kg/ha	1,0	0,5 – 0,75	

MIELIES (Vroeg na-opkoms tenkmengsel met **TROOPER SL** of **2,4-D amien**)

ATRAZINE 900WG	TROOPER SL	2,4-D amien	OPMERKINGS
1,1 kg/ha	0,5 L/ha	0,75 L/ha	Dien uit volle opkoms van die mielies tot 'n hoogte van 30 cm bereik is. Waar die mielie-oes van meer as 30 cm in hoogte, moet valarms gebruik word om die bespuiting te rig onder die blaardek van die mielies. Maak seker dat in alle gevalle dat die spuitmengsel die teiken bereik. Dien toe wanneer onkruid in die 3-6 blaarstadium is. Voeg die aanbevole dosis van 'n goedgekeurde penetreermiddel soos Performer, Penetrex, Solitaire.

Opmerkings

Die mengsel van **ATRAZINE 900WG** plus 2,4-D amien kan gebruik word op beide mielies en graansorghum op voor waarde dat die sorghum veld se klei-inhoud meer as 15% is.

NOTA:

Moenie die aanbevole dosis oorskry nie.

Moenie gebruik op gebiede wat moontlik versuip kan word.

Moet nie op gronde met 'n hoë loogpotensiaal toedien nie.

Moenie na toediening besproei nie. Onder koue toestande en / of waar hoë reënval na toediening verwag word, kan **ATRAZINE 900WG** graansorghum beskadig word, ongeag die grondtipe.

BELANGRIK VIR MIELIES EN GRAANSORGHUM:

Maak seker dat voldoende kunsmis toegedien word en korrek geplaas word op die tyd van die plant van die groei van die saailinge te bevorder.

MIELIES (Minimum of stoppelbewerkings):

Waar minimum-of stoppelbewerking toegepas beoefen word, mag onkruid reeds gekom het in die tyd van die plant. Indien mielies geplant word onder sulke omstandighede, of as hulle geplant in 'n ou saadbed Waar grasse reeds ontkiem het en / of breëblaaronkruid verby die 4-blaarstadium ontwikkel het, word dit aanbeveel dat parakwat te die **ATRAZINE 900WG** is spuitoplossing bygevoeg word. teen 'n dosis aanbeveel deur die vervaardiger. Die Paraquat sal die bestaande onkruid vernietig en die skep van 'n skoon vooropkoms voorwaarde dat **ATRAZINE 900WG** in staat sal stel om doeltreffend te werk.

NOTA:

1. Wanneer Paraquat bygevoeg word, moet die aansoek plaasvind voor die opkoms anders parakwat sal skade aan die gewas veroorsaak.
2. In die geval van 'n minimum of stoppelbewerkings, kan die bedrag van die stoppels en organiese materiaal op die oppervlak verminder die doeltreffendheid van die **ATRAZINE 900WG**. Die verteenwoordiger van die vervaardiger of verspreider, behoort geraadpleeg te word.

SUIKERRIET

Ligte tot medium grond tot 35% klei-inhoud van toepassing 1,1 kg / ha ATRAZINE 900WG. Vir die beheer van eenjarige grasse en breëblaaronkruid op ligte tot medium gronde, van toepassing **ATRAZINE 900WG** in tenkmengsel met 'n geregistreerde grasdoder soos **ACETAK 900 EC** (L. 6904) of **UNIMIC EC** (L. 7341), word aanbeveel as 'n pre opkoms algehele bespuiting onmiddellik na plant en voor opkoms van onkruid. Vir die beste resultate, kort besproeiing of net voordat reën verwag. Raadpleeg die etiket van die betrokke grasdoders vir toedieningshoeveelhede.

PYNAPPELS

% KLEI	ATRAZINE 900WG	OPMERKINGS
0 – 20	2,1kg/ha + 3.6 L/ha ametryn 500 SC	vroeg na-opkoms behandelings word aanbeveel waar 'n gemengde bevolking van grasse en breëblaaronkruid plaasgevind het en ook later ontkiemende onkruid 'n probleem is.
21 – 35	2,9 kg/ha + 5,2 L/ha ametryn 500 SC	
Bo 35	Nie aanbeveel nie	

ONKRUIDE BEHEER DEUR ATRAZINE 900WG:**Breëblaaronkruid spesies (net voor-opkoms)**

<i>Acanthospermum australe</i>	Eight-seeded starbur
<i>Acanthospermum glabratum</i>	Prostrate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Roويمisbredie
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i>	Cosmos
<i>Bidens pilosa</i>	Common Blackjack
<i>Chenopodium album</i>	White Goosefoot
<i>Chenopodium carinatum</i>	Groen hondebossie
<i>Cleome monophylla</i>	Rusperbossie
<i>Cleome rubella</i>	Pretty Lady
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Crotalaria sphaerocarpa</i>	Wild Lucerne
<i>Datura ferox</i>	Common thorn apple
<i>Datura stramonium</i>	Large thorn apple
<i>Galinsoga parviflora</i>	Small flowered quick weed
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus trionum</i>	Bladder hibiscus
<i>Hibiscus cannabinus</i>	Wild stockrose Nicandra
<i>physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Common purslane
<i>Richardia brasiliensis</i>	Mexican richrdia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Wild sweetpea
<i>Vigna vexillata</i>	

Grassoorte (vooropkoms)

<i>Eleusine coracana</i>	Goosegrass
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Chloris virgata</i>	Feather top chloris
<i>Panicum schinzii</i>	Vlei panicum
<i>Setaria verticillata</i>	Bur bristle grass

Indien droë weerstoestande voortduur vir 'n tydperk van 7-14 dae na toediening mag die volgende onkruidsoorte nie na wense beheer word nie, veral in die swaar gronde: *Bidens formosa*
Datura spp.

Eleusine coracana
Commelina benghalensis
Panicum schinzii
Chloris virgata
Tagetes minuta

NOTA: Weerstandbiedende rasse van hierdie onkruid mag nie beheer word nie. **NOTA:** Hierdie produk hoofsaaklik beheer van sekere grasse en verskeie eenjarige breëblaaronkruid, ander eenjarige breëblaaronkruid wat nie tydens die ontwikkelingsproewe met die produk teenwoordig is, kan egter ook beheer word in 'n sekere mate. Die registrasiehouer aanvaar nie enige verantwoordelikheid vir die beheer van onkruid wat nie gelys is op die etiket.

Onder abnormale nat toestande mag die laatseisoen beheer van onkruid mag nie voldoende wees nie. 'n breër spektrum van eenjarige grasse te beheer, **ATRAZINE 900WG** kan toegepas word in 'n

tenkmengsel of as 'n aparte aansoek in kombinasie met 'n geregistreerde grasdoder. **ATRAZINE 900WG** versoenbaar is in 'n spuitmengsel met al die huidige geregistreerde grasdoder gebruik word. Raadpleeg die etikette van die spesifieke grasdoders vir toedieningshoeveelhede, sowel as vir die spesifieke **ATRAZINE 900WG** toedieningshoeveelhede om gebruik te word wanneer toegedien word. Die voorskrifte vir die gebruik op die betrokke etikette moet noukeurig gevolg word.

NOTA: Waar **ATRAZINE 900WG** gebruik word in kombinasie met EPTC in mielies, ten minste tweederdes van die aanbevole dosis van **ATRAZINE 900WG** moet volgens grondtipe gebruik word.

Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van die beheer van ongelyste onkruid nie.

ERKENNING VAN HANDELSMERKE

Prefix S EC, CYCLONE, Unimoc EC, Acetak EC en Trooper SL is handelsmerke van Meridian Agrochemical Company (Pty) Ltd.