



ACETOGAN[®] 900 EC

Reg. no. L8269 Act/Wet 36 of/van 1947
N-AR 1052; W130712

An emulsifiable concentrate herbicide applied pre-emergence on weeds as listed below in cotton, Eucalyptus plantations, groundnuts, maize, potatoes and sugar cane.

'n Emulsifiseerbare konsentraat onkruidodder wat onkruid soos hieronder gelys, vooropkom beheer in katoen, aartappels, Eucalyptus plantasies, grondbone, mielies en suikerriet.

HRAC HERBICIDE GROUP CODE

K3

HRAC ONKRUIDDODER GROEPKODE

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Acetochlor (chloroacetamide)..... 900 g/l Asetochloor (chloorasetamied)

NET VOLUME/NETTO VOLUME

..... l

REGISTRATION HOLDER/REGISTRASIEHOUER

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Reg. no. 1992/001741/07

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**ACETOGAN[®] is the registered trademark of a company of the ADAMA GROUP.
ACETOGAN[®] is die geregistreerde handelsmerk van 'n maatskappy van die ADAMA GROEP.**

CONTACT IN EMERGENCY/KONTAK IN NOOD

Griffon Poison Information Centre: +27 82 446 8946

Batch number

Date of Manufacture

Lotnommer

Datum van Vervaardiging

UN no.: 3082



CAUTION
VERSIGTIG



WARNINGS

- Handle with care.
- Harmful if swallowed.
- Slightly irritating to eyes.
- Toxic to fish and other aquatic organisms.
- Store in a cool, dry and well-ventilated place away from direct sunlight.
- Keep in the original container, tightly closed and under lock and key.
- Store away from food, feedstuffs, seed, and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has completely dried unless wearing protective clothing.
- Aerial application: Notify all inhabitants in 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 guarantee 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 weeds 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 inhaling the spray mist.
- Avoid contact with skin and eyes.
- Wear a face shield, rubber boots, and rubber gloves when handling the undiluted product.
- Remove contaminated clothing and wash daily.
- Wash immediately with soap and cold water after accidental skin contact.
- In case of eye contact, hold eyelid open and wash out with clean running water for at least 15 minutes.
- Do not eat, drink or smoke while mixing or applying this product or before hands and face have been washed.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- 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. 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 spray tank.
- Destroy empty container by perforation and flattening and NEVER use for any other purpose.
- Clean the applicator thoroughly after use and dispose of wash water where it will not contaminate crops, rivers or dams.
- Avoid contamination of food, feedstuffs, drinking water and eating utensils.

Resistance warning

For resistance management **ACETOGAN® 900 EC** is a group code K3 herbicide. Any weed population may contain individuals naturally resistant to **ACETOGAN® 900 EC** and other group code K3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **ACETOGAN® 900 EC** or any group code K3 herbicides.

To delay herbicide resistance:

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

For specific information contact the local distributor agent or the registration holder of this product.

Should **ACETOGAN® 900 EC** fail to control resistant weeds, **ADAMA South Africa (Pty.) Ltd.** will not accept responsibility for such loss as the detection of resistant weeds before application is difficult. Avoid using **ACETOGAN® 900 EC** in places where weed resistance has been ascertained.

Use restrictions

- Do not use **ACETOGAN® 900 EC** on experimental, newly released seed hybrids or inbred parent lines without first consulting with your seed supplier or the registration holder.
- Poorly drained soils and soils with a compaction layer can cause water logging which might lead to crop injury if **ACETOGAN® 900 EC** is used in these conditions.
- When **ACETOGAN® 900 EC** is tank mixed with other chemicals, the restrictions and warnings on the labels of the other chemicals should be adhered to.

DIRECTIONS FOR USE

Use only as directed.

Compatibility

No cases of incompatibility with other agricultural chemicals have been reported. If a tank mix is to be made with other chemicals, pre-mix small quantities of the chemicals in water and add to the tank while stirring. Check for any signs of incompatibility e.g. separation, flocculation, etc. When using in combination with other pesticides, read the labels and adhere to all the label recommendations.

Mixing instructions

- Shake the container well before use. Half fill the spray tank with clean water. Pre-mix the required volume of **ACETOGAN® 900 EC** separately in a small amount of water and add to the spray tank while agitating. Fill the spray tank with water to the mark while agitating.
- When tank mixing **ACETOGAN® 900 EC** with other products such as **SUPREX 900 WG**, **SUPRANEX® 900 WG**, **SUPRANEX® 600 SC**, **ATRANEX® 500 SC**, **DIUREX® 800 SC**, and **SULCOZINE® 425 SC**, these products should first be mixed or creamed with a little water and added to the spray tank first. Add water to the tank just below the required capacity and add the pre-mixed **ACETOGAN® 900 EC** while agitating continuously. Fill the tank with water. Refer to the labels of the products which will be tank mixed with **ACETOGAN® 900 EC** and adhere to the label instructions.
- Ensure thorough agitation during mixing and application. Mix only sufficient spray mixture to be used on the same day. Do not allow the spray mixture to stand overnight.

Ground application

ACETOGAN® 900 EC can be applied by any suitable medium to high volume spray apparatus provided it is equipped with an efficient agitating mechanism, it is correctly calibrated and it is able to distribute the spray mixture evenly over the target area. It is recommended that the spray boom be fitted with suitable flat fan nozzles and that a minimum of 200 l spray mixture per hectare is used.

ACETOGAN® 900 EC must be applied as soon as possible according to the individual crop recommendations below, preferably before the weeds germinate. The seedbed must be fine, firm, even and without any weed growth or an excessive amount of plant rests.

Continuous rain or irrigation of at least 15 mm is needed after application to leach the active into the soil to the weed germination zone. If it does not rain and weeds start to germinate, a shallow cultivation can be done to destroy the seedlings and to incorporate the herbicide into the top 10–20 mm of soil.

Aerial application

Aerial application of **ACETOGAN® 900 EC** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 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 be met:

- Volume: A spray mixture volume of 30 l per hectare is recommended for pre-emergence and 35 l/ha for post-emergence applications. 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 aurally at a lower volume rate than recommended above.
- Droplet coverage: 20-30 droplets per cm² must be recovered pre-emergence and 30–45 droplet per cm² must be recovered post-emergent at the target area.
- Droplet size: A droplet spectrum with a VMD of 350-450 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and 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 60-75 % 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 and dry 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 drifting 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 above requirements will be met and that the relevant data will be compiled in a log book for future reference.

APPLICATION RATES

1. Cotton

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–10	0.75–1.5	Apply ACETOGAN® 900 EC as a directed spray, pre-emergence of weeds, in the inter row of planted or ratoon cotton in the 5–8 leaf stage. Avoid spraying over planted cotton. Use the higher dosage rate where <i>Digitaria sanguinalis</i> occurs or where extended control of annual grass is desired.
11–30	1.0–3.0	

2. *Eucalyptus* plantations

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–10	0.75–1.5	Apply as a full cover spray 7–10 days before or after transplanting to healthy young trees on a weed free seedbed. Do not spray over the top of the young trees. Use the higher rate for extended control of grasses and improved control/suppression of yellow nutsedge.
11–30	1.0–3.0	

3. Groundnuts

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–10	0.75–1.5	Apply as a pre-emergence application on a weed-free seedbed. Use the higher rate for extended control of grasses and better control of broadleaf weeds and yellow nutsedge.
11–30	1.0–3.0	

4. Maize

Apply **ACETOGAN® 900 EC** early post-emergence of maize and preferably pre-emergence of weeds, as a tank mixture with either **ATRANEX® 500 SC**, or **SUPRANEX® 600 SC**, or **SUPRANEX® 900 WG**, or **SUPREX® 900 WG** or **SULCOZINE® 425 SC**. (Please refer to the **SULCOZINE® 425 SC** label for application rates.)

CLAY (%)	DOSAGE			
	ACETOGAN® 900 EC (ℓ/ha)	PLUS ATRANEX® 500 SC (ℓ/ha)	OR SUPRANEX® 600 SC (ℓ/ha)	OR SUPRANEX® 900 WG OR SUPREX® 900 WG (kg/ha)
0–10	0.5–0.75	2.5	2.0	1.3
11–20	0.75–1.0	3.25	2.7	1.8
21–30	1.0	4.0	3.3	2.2
31–50	1.0	4.75–5.0	4.0	1.0

5. Potatoes

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–10	0.75–1.5	Apply pre-emergence just after planting. Cold and wet conditions after planting might cause crop injury.
11–20	1.0–2.0	
21–30	1.5–3.0	
> 30	3.0	

6. Sugar cane

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–30	1.75–2.5	Apply pre-emergence in plant and ratoon sugar cane. Use the higher rates and/or tank mix with either DIUREX® 800 SC at 3,0 ℓ/ha or ATRANEX® 500 SC at 2,0–5,0 ℓ/ha. Use the lower rate with soils up to 35 % and the higher rate on heavier soils or where longer residual or improved control of <i>Cyperus esculentus</i> is required.
>30	2.25–3.0	

WEEDS NORMALLY CONTROLLED

Refer to the list of weeds below. The control of yellow nutsedge (*Cyperus esculentus*) might be variable and mainly requires favourable weather conditions. To increase the spectrum of broadleaf weeds controlled, it is recommended that either tank mixes or follow on applications with registered broadleaf herbicides are done in combination with **ACETOGAN® 900 EC**.

Annual grasses

SCIENTIFIC NAME	COMMON NAME
<i>Chloris virgata</i>	Feathertop chloris
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Eleusine coracana</i>	Goose grass
<i>Panicum maximum</i>	Common buffalo grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Setaria verticillata</i>	Sticky bristle grass
<i>Urochloa panicoides</i>	Herringbone grass

Annual broadleaf weeds

SCIENTIFIC NAME	COMMON NAME
<i>Amaranthus hybridus</i>	Cape pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Chenopodium album</i>	White goosefoot
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Galingsoga parviflora</i>	Gallant soldier
<i>Portulaca oleracea</i>	Purslane
<i>Physalis angulata</i>	Wild gooseberry
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed (early germination)

Control of the following weeds is variable

SCIENTIFIC NAME	COMMON NAME
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cleome monophylla</i>	Spindle pod

Note

Cyperus esculentus control can only be achieved when planting is done in a fine, firm, even seedbed immediately following a deep mouldboard ploughing. Planting must be done immediately after the seedbed preparation. Continuous rain or irrigation of at least 15 mm on lighter soils and 25 mm on heavier soils should take place after application and before the nutsedge starts to germinate and develop.

The following are registered trademarks of a company of the ADAMA GROUP:

ATRANEX[®] (**ATRANEX[®] 500 SC**, Reg. no. L5352)

DIUREX[®] (**DIUREX[®] 800 SC**, Reg. no. L5334)

The following are trademarks of a company of the ADAMA GROUP:

SULCOZINE[®] (**SULCOZINE[®] 425 SC**, Reg. no. L8448)

SUPRANEX[®] (**SUPRANEX[®] 600 SC**, Reg. no. L5351; **SUPRANEX[®] 900 WG**, Reg. no. L8172)

WAARSKUWINGS

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Matig irriterend vir oë.
- Giftig vir visse en ander waterorganismes.
- Stoor in 'n koel, droë en goed geventileerde plek weg van direkte sonlig.
- Bêre in die oorspronklike houër, dig toe en agter slot en grendel.
- Stoor weg van voedsel, voer, saad, en kunsmis.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Herbetreding: Moet nie behandelde gebied binnegaan totdat die spuitneerslag droog is nie, tensy beskermende klere gedra word.
- Lugtoediening: Stel al die inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede of water spuit of die spuitnewel toelaat om dit te 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. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van 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.

Voorsorgmaatreëls

- Vermy inaseming van die spuitnewel.
- Vermy kontak met die vel en oë.
- Dra 'n gesigskerm, rubberskoene en rubberhandskoene wanneer die onverdunde produk hanteer word.
- Trek besoedelde klere uit en was daaglik.
- Was onmiddellik met seep en koue water na per abuisie velkontak.
- In geval van oogkontak, spoel die oë dadelik uit met skoon lopende water vir ten minste 15 minute.
- Moet nie eet, drink of rook gedurende vermenging of toediening of voordat hande en gesig gewas is nie.
- Vermy dat die spuitnewel oor ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie, wegdryf.
- Keer die leë houër om oor die spuit of mengtenk en laat dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verander het. Spoel daarna die leë houër drie keer uit met 'n volume water wat minstens gelykstaande is aan 10 % van die volume van die houër. Voeg die spoelwater in die spuittenk.

- Vernietig die leë houer deur dit te perforeer en plat te druk en moet dit NOOIT vir geen ander doel gebruik nie.
- Maak die toediener deeglik skoon na gebruik en gooi die spoelwater waar dit nie gewasse, riviere of damme sal besoedel nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.

Weerstandswaarskuwing

Vir die bestuur van weerstand word **ACETOGAN® 900 EC** as 'n groepkode K3 onkruidodder geklassifiseer. Enige onkruidpopulasie mag individue hê wat natuurlike weerstand teen **ACETOGAN® 900 EC** en groepkode K3 onkruidodders besit. Die weerstandbiedende individue kan uiteindelik die populasie oorheers as hierdie onkruidodders herhaaldelik gebruik word. Hierdie weerstandbiedende onkruid mag dalk nie deur **ACETOGAN® 900 EC** of ander groepkode K3 onkruidodders beheer word nie.

Om onkruidweerstand te vertraag:

- Vermy die herhaaldelike eksklusiewe gebruik van onkruidodders van dieselfde onkruidoddergroepkode. Wissel af of gebruik tenkmengsels met produkte van ander onkruidoddergroepkodes.
- Integreer beheermetodes (chemiese, verbouing en biologies) in onkruidbeheerprogramme

Skakel met die verspreidersagent of die registrasiehouer van hierdie produk vir meer spesifieke inligting.

Indien **ACETOGAN® 900 EC** weerstandbiedende onkruid nie beheer nie, sal **ADAMA South Africa (Pty.) Ltd.** nie verantwoordelikheid vir sulke verliese aanvaar nie, aangesien die opspoor van weerstandbiedende onkruid voor toediening baie moeilik is. Vermy die gebruik van **ACETOGAN® 900 EC** in gebiede waar onkruidweerstandbiedendheid reeds bevestig is.

Gebruiksbeperkings

- Moet nie **ACETOGAN® 900 EC** op eksperimentele, nuutvrygestelde kultivars of ingeteelde ouerplante gebruik voordat u eers die saadverskaffer of die registrasiehouer geraadpleeg het nie.
- Indien **ACETOGAN® 900 EC** op swak gedreineerde gronde of gronde met 'n verdigtingslaag wat tot versuip-toestande kan lei, gebruik word, mag dit tot gewasskade lei.
- Wanneer **ACETOGAN® 900 EC** in 'n tenkmengsel met ander produkte gebruik word, moet die voorwaardes en beperkings soos wat dit op daardie produk-etiket verskyn, nagekom word.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

Verenigbaarheid

Geen gevalle van onverenigbaarheid met ander landbouchemikalieë is tot dusver aangemeld nie. Indien 'n tenkmengsel met ander landbouchemiese middels gemaak word, word aanbeveel dat klein hoeveelhede van elke middel apart aangemaak word in 'n klein hoeveelheid water in die tenk gevoeg word terwyl geroer word. Evalueer vir enige teken van onverenigbaarheid soos bv. skeiding, flokkulering ens. Die etiketvoorskrifte van die middels wat in kombinasie met **ACETOGAN® 900 EC** gebruik gaan word, moet nagekom word.

Vermenging

- Skud die houer goed voor gebruik. Vul die spuittenk halfvol met skoon water. Meng die benodigde hoeveelheid **ACETOGAN® 900 EC** vooraf apart met water en voeg in die tenk terwyl geroer word. Vul die tenk met water terwyl voortdurend geroer word.
- Wanneer tenkmengsels met **ACETOGAN® 900 EC** en ander produkte soos **SUPREX® 900 WG**, **SUPRANEX® 900 WG**, **SUPRANEX® 600 SC**, **ATRANEX® 500 SC**, **DIUREX® 800 SC**, en **SULCOZINE® 425 SC** gemaak word, moet hierdie produkte gemeng of verroom word met 'n klein hoeveelheid water en eerste in die spuittenk gevoeg word. Voeg nou water by tot net onder die verlangde kapasiteit en voeg nou die vooraf gemengde **ACETOGAN® 900 EC** by terwyl voortdurend geroer word. Vul nou die spuittenk met water. Verwys na die etikette van die produkte wat met **ACETOGAN® 900 EC** gemeng gaan word en kom die etiketvoorskrifte na.
- Verseker deeglike roering tydens vermenging en toediening. Meng net genoeg spuitmengsel vir 'n dag se gebruik. Moet nie die spuitmengsel oornag laat staan nie.

Grondtoediening

ACETOGAN® 900 EC kan deur enige geskikte medium-of hoëvolume spuitapparaat toegedien word, mits dit toegerus is met 'n doeltreffende roermeganisme, dit korrek gekalibreer is en in staat is om die spuitmengsel eweredig oor die teikengebied te versprei. Dit word aanbeveel dat van platwaaerspuitpunte gebruik gemaak word en dat 'n spuitvolume van ten minste 200 l water per hektaar gebruik word.

ACETOGAN® 900 EC moet so gou as moontlik toegedien word volgens die individuele gewesaanbevelings hieronder en verkieslik voor onkruid ontkiem. Die saadbed moet fyn, ferm en gelyk wees sonder oormatige plantreste.

Aanhoudende reën of besproeiing van ten minste 15 mm is nodig na toediening om die aktiewe bestanddeel in die grond in te loog tot in die onkruidontkiemingsone. As dit nie reën nie en die onkruid ontkiem, kan 'n ligte bewerking uitgevoer word om die onkruid te beheer en die onkruiddoder in die boonste 10-20 mm van die grond in te werk.

Lugtoediening

ACETOGAN® 900 EC kan slegs deur 'n geregistreerde Lugbespuitingsperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118 (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 l per hektaar vooropkom en 35 l per hektaar na-opkom (van gewas) 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: 30-40 druppels per cm² moet op die teikenarea herwin word.
- Druppelgrootte: 'n Druppelspektrum met 'n VMD van 300-350 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- Vlieg hoogte: Handhaaf die hoogte van die spuitbalk bo die teiken op 3-4 meter. Moet nie spuit wanneer die vliegtuig duik nie, 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 in die binnste 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 swaaihigrometer, moet nie 8 °C oorskry nie.
- Staak bespuiting indien die windspoed 15 km/uur oorskry.
- Staak bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversielaag 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 dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

TOEDIENINGSHOEVEELHEDE

1. Katoen

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–10	0.75–1.5	Dien ACETOGAN® 900 EC as 'n gerigte bespuiting, vooropkom van die onkruid, tussen die rye van geplante of oorstaankatoen in die 5–8 blaarstadium. Moet nie direk oor geplante katoen toedien nie. Dien ACETOGAN® 900 EC net vooropkom van onkruide toe. Gebruik die hoër toedieningshoeveelheid waar <i>Digitaria sanguinalis</i> voorkom of waar langer beheer verlang word.
11–30	1.0–3.0	

2. *Eucalyptus* plantstasies

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–10	0.75–1.5	Dien as 'n algehele toediening 7–10 dae voor uitplant of na uitplant op jong gesonde boompies op 'n onkruidvrye saadbed toe. Moet nie bo-oor die jong boompies spuit nie. Gebruik die hoër dosis vir langer beheer van grasse en verbeterde beheer/onderdrukking van geeluintjies.
11–30	1.0–3.0	

3. Grondbone

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–10	0.75–1.5	Dien vooropkom op 'n onkruidvrye saadbed toe. Gebruik die hoër dosis vir langer beheer van grasse en beter beheer van breëblaaronkruid en geeluintjies.
11–30	1.0–3.0	

4. Mielies

Dien **ACETOGAN® 900 EC** vroeg na-opkom van mielies en verkieslik vooropkom van onkruid as 'n tenkmengsel met **ATRANEX® 500 SC**, of **SUPRANEX® 600 SC**, of **SUPRANEX® 900 WG**, of **SUPREX® 900 WG**, of **SULCOZINE® 425 SC** toe. (Verwys na **SULCOZINE® 425 SC** etiket vir toedieningshoeveelhede.)

KLEI (%)	DOSIS			
	ACETOGAN® 900 EC (ℓ/ha)	PLUS ATRANEX® 500 SC (ℓ/ha)	OF SUPRANEX® 600 SC (ℓ/ha)	OF SUPRANEX® 900 WG OF SUPREX® 900 WG (kg/ha)
0–10	0.5–0.75	2.5	2.0	1.3
11–20	0.75–1.0	3.25	2.7	1.8
21–30	1.0	4.0	3.3	2.2
31–50	1.0	4.75–5.0	4.0	1.0

5. Aartappels

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–10	0.75–1.5	Dien vooropkom net na plant toe. Koue nat toestande net na toediening mag gewasskade veroorsaak.
11–20	1.0–2.0	
21–30	1.5–3.0	
> 30	3.0	

6. Suikerriet

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–30	1.75–2.5	Dien vooropkom in plant en oorstaansuikerriet toe. Gebruik die hoër toedieningshoeveelheid met of DIUREX® 800 SC teen 3.0 ℓ/ha of ATRANEX® 500 SC teen 2.0–5.0 ℓ/ha toe. Gebruik die laer dosis op gronde tot 35% klei en die hoër dosis op swaarder gronde of waar langer nawerking of verbeterde beheer van <i>Cyperus esculentus</i> verlang word.
>30	2.25–3.0	

ONKRUIDE NORMAALWEG BEHEER

Verwys na die onkruidlys hieronder. Die beheer van geeluintjies (*Cyperus esculentus*) mag wisselvallig wees en is hoofsaaklik afhanklik van weerstoestande. Om die beheerspektrum van breëblaaronkruid te verbeter, word aanbeveel dat **ACETOGAN® 900 EC** in tenkmengsels met geregistreerde breëblaarmiddels toegedien word, of dat die **ACETOGAN® 900 EC** toediening opgevolg moet word met 'n toediening van 'n geregistreerde breëblaaronkruiddoder.

Eenjarige grasse

WETENSKAPLIKE NAAM	GEWONE NAAM
<i>Chloris virgata</i>	Witpluimchloris
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine coracana</i>	Jongosgras
<i>Panicum maximum</i>	Buffelsgras
<i>Panicum schinzii</i>	Soetgras
<i>Setaria pallide-fusca</i>	Rooiborselsaadgras
<i>Setaria verticillata</i>	Klitsborselgras
<i>Urochloa panicoides</i>	Tuin-Urochloa

Eenjarige breëblare

WETENSKAPLIKE NAAM	GEWONE NAAM
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Roويمisbredie
<i>Chenopodium album</i>	Withondebossie
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Galingsoga parviflora</i>	Knopkruid
<i>Physalis angulata</i>	Wilde-appelliefie
<i>Portulaca oleracea</i>	Porslein
<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Tagetes minuta</i>	Langkakiebos (vroeg ontkiemend)

Beheer van die volgende onkruid is wisselvallig

WETENSKAPLIKE NAAM	GEWONE NAAM
<i>Cyperus esculentus</i>	Geeluintjie
<i>Cleome monophylla</i>	Rusperbossie

Let wel

Om *Cyperus esculentus* te beheer moet die plantproses voorafgegaan word deur 'n diep ploegbewerking. Die plantproses moet onmiddellik na die saadbed voorbereiding geskied. Die

saadbed moet fyn. ferm. eweredig en sonder oormatige plantreste wees. Aanhoudende reën of besproeiing van tussen 15 mm vir ligter en 25 mm vir swaarder gronde moet plaasvind na toediening en voor die uittjies ontkiem en begin ontwikkel.

Die volgende is geregistreerde handelsmerke van 'n maatskappy van die ADAMA GROEP:

ATRANEX® (ATRANEX® 500 SC. Reg. no. L5352)

DIUREX® (DIUREX® 800 SC. Reg. no. L5334)

Die volgende is handelsmerke van 'n maatskappy van die ADAMA GROEP:

SULCOZINE® (SULCOZINE® 425 SC. Reg. no. L8448)

SUPRANEX® (SUPRANEX® 600 SC. Reg. no. L5351; SUPRANEX® 900 WG. Reg. no. L8172)