ADAMA
Listen · Learn · Deliver

CLINCHER® 960 EC

Reg. no. L 9874 Act/Wet 36 of/van 1947
N-AR 1637

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	K3	HERBICIDE

An emulsifiable concentrate herbicide applied pre-emergence on weeds as listed in Eucalyptus and pine plantations, dry beans, grain and forage sorghum, groundnuts, lupins, maize, potatoes, sunflower, soybeans, sugarcane, and tobacco.	'n Emulsifiseerbare konsentraat onkruiddoder wat onkruide soos gelys, vooropkomsbeheer in *Eucalyptus*- en denneplantasies, aartappels, droëbone, graan- en voersorghum, grondbone, lupiene, mielies, sojabone, sonneblom, suikerriet en tabak.

WARNING

Hazard statements
Harmful if swallowed.
May cause an allergic skin reaction.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements
Do not eat, drink or smoke when using this product.
Avoid release to the environment.

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

metolachlor ………………………………. (chloroacetanilide)	960 g/L	……............................... metolachloor (chloorasetanilied)

NET VOLUME/NETTO VOLUME

………… L

REGISTRATION HOLDER/REGISTRASIEHOUER
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UN no.: 3082
EMERGENCY NUMBERS:
Griffon Poison Information Centre: +27 82 446 8946
Tygerberg Poison Information Centre: +27 861 555 777

Batch number	....	Lotnommer
Date of manufacture	....	Datum van vervaardiging
Expiry date	………….	Vervaldatum

WARNINGS

- Harmful if swallowed.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Irritating to eyes and skin and causes sensitisation by skin contact.
- Store in a cool, dry and well-ventilated place away from direct sunlight.
- Keep away from flames.
- Store away from food, feedstuffs, seed, and fertilizers.
- **Re-entry:** Do not enter treated area within 1 day after application 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

- Keep out of reach of children.
- Read label before use.
- If medical advice is needed, have product container or label at hand.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash face, hands and any exposed skin thoroughly after handling. Do not touch eyes.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- IF SWALLOWED: Get medical help. Rinse mouth.

- IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see supplemental first aid instructions on this label).
- If skin irritation or rash occurs get medical help.
- Take off contaminated clothing and wash it before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical help.
- Collect spillage.
- Dispose of contents/ container to an approved waste disposal plant.

- Avoid inhaling the spray mist.
- Avoid contact with skin and eyes.
- 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.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Metolachlor	>60%	51218-45-2
Poly(oxy-1,2-ethanediyl),alpha.-[tris(1-phenylethyl)phenyl]-.om ega.-hydroxy-	<10%	99734-09-5
Benzenesulfonic acid, C10-13-(linear)alkyl derivs., calcium salt	<10%	EC no: 932-231-6
2-Ethylhexan-1-ol	<10%	104-76-7

FIRST AID

In case of accident or unwellness, seek medical advice immediately. Provide this label and SDS to medical personnel for treatment. Emergency personnel should wear protective clothing appropriate to the type and degree of contamination.

Immediately remove contaminated clothing and remove the affected person from the contamination area. Keep the person warm, calm and covered up. First Aid personnel should pay attention to their own safety.

Take the container label or product name with you when seeking medical attention.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if symptoms occur.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Inhalation: Immediately remove the affected victim from exposure to an area with fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician.

Ingestion: If conscious, rinse mouth thoroughly with water. Drink plenty of water. Never give anything by mouth to an unconscious or convulsing person. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomit, rinse mouth and administer more water. If symptoms persist, call a physician.

TOXICOLOGICAL INFORMATION

Antidotes

No specific antidote. Treat symptomatically.

Symptoms of human poisoning

None known.

NOTICE TO THE USER: This agricultural remedy is to be used only according to the directions of this label. It is an offense under the Act to use this product inconsistent with the directions on the label.

RESISTANCE WARNING

For resistance management **CLINCHER® 960 EC** is a group code K3 herbicide. Any weed population may contain individuals naturally resistant to **CLINCHER® 960 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 **CLINCHER® 960 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 programs.

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

Should **CLINCHER® 960 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 **CLINCHER® 960 EC** in places were weed resistance has been ascertained.

MODE OF ACTION

K3: Inhibition of very long-chain fatty acid synthesis.

USE RESTRICTIONS

- Do not use **CLINCHER® 960 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 **CLINCHER® 960 EC** is used in these conditions.
- Heavy rain (25 mm per day or 50 mm over a 3-7 day period) as well as flood irrigation can reduce weed control performance on very sandy soils (<15% clay) low in organic matter (<1%).
- Dry bean and grain sorghum seed must be treated with effective fungicides to control seedling diseases (*Pythium* spp., *Rhizoctonia* spp. etc.). Do not apply **CLINCHER® 960 EC** to dry beans on fields where monoculture is practised and soil borne diseases are prevalent.
- Do not apply **CLINCHER® 960 EC** as a pre-emergence treatment in maize.
- **CLINCHER® 960 EC** may cause damage to sunflowers and dry beans on sandy, shallow and waterlogged soils with impermeable layer of clay at less than 100 cm depth.
- Under hot dry conditions and the presence of a plough sole in the soil **CLINCHER® 960 EC** may also cause damage to dry beans.
- When **CLINCHER® 960 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 **CLINCHER® 960 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 **CLINCHER® 960 EC** with other products 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 **CLINCHER® 960 EC** while agitating continuously. Fill the tank with water. Refer to the labels of the products which will be tank mixed with **CLINCHER® 960 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.

Application notes

CLINCHER® 960 EC must be applied according to the individual crop recommendations below, preferably before the weeds germinate. Apply **CLINCHER® 960 EC** at planting or soon after but not later than 3 days after planting. 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, carry out a shallow cultivation to destroy the seedlings and to incorporate the herbicide into the top 10−20 mm of soil. Do not harrow after application as this may result in poor weed control due to exposure of untreated soil.

Ground application

CLINCHER® 960 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.

Aerial application

Aerial application of **CLINCHER® 960 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. 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 to 30 droplets per cm^2 must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 350 to 400 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 to 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 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:
  a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
  b) 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

Eucalyptus and pine plantations

CLAY (%)	DOSAGE (L/ha)	REMARKS
0−20 21−30 >30	1.5 2.0 2.5	**Mainly annual grasses:** Apply as a full cover spray directly after transplanting of the tree seedlings on a weed free seedbed. Do not spray over the top of the young trees. If weeds are already present before planting a tank mixture of **CLINCHER® 960 EC** and paraquat 200 SL can be applied prior to planting.

Dry beans, groundnuts, lupins, sunflowers, and soybeans

CLAY (%)	DOSAGE (L/ha)	REMARKS
0−20 21−30 >30	0.9−1.2 1.2−1.5 1.5-2.0	**Mainly annual grasses:** Apply as a pre-emergence application to a weed-free seedbed. Use the higher rate if yellow nutsedge and crab fingergrass are present and also if the organic matter exceeds 1%.

Grain and forage sorghum (seed treated with safener)

CLINCHER® 960 EC can only be used in sorghum if the seed has been properly treated with a registered safener to protect the grain seedlings against metolachlor damage. Severe crop damage will occur if the sorghum seed has not been treated with a suitable safener. Under high soil moisture conditions **CLINCHER® 960 EC** may cause phytotoxic symptoms 4-6 weeks after application. The crop will normally outgrow this injury without any detrimental effect on the crop yield. The formation of a soil crust must be prevented through a shallow cultivation as soon as possible. **CLINCHER® 960 EC** may damage the sorghum when seedling diseases are present.

CLAY (%)	DOSAGE (L/ha)	REMARKS
0−20	Not recommended	**Mainly annual grasses:** Apply as a pre-emergence application to a weed-free seedbed. Use the higher rate if the organic matter exceeds 1% or on turf soils for good control of sweet signal grass and crab finger-grass. For broadleaf control, ATRANEX® 500 SC or SUPRANEX 600 SC, or SUPRANEX 900 WG can be used in tank mix with 2,4-D AMINE SL. Refer and adhere to each product label instructions.
21−30	1.2	
31−40	1.4	
>40	1.4-2.0	

Maize (early post-emergence)

CLINCHER® 960 EC can be used as an early post-emergence crop application in maize to prolong the grass control of pre-emergence acetanilide applications. Apply **CLINCHER® 960 EC** early post-emergence of maize and pre-emergence of the weeds, directly after cultivation, when no weeds are present. Any weeds present during application will not be controlled. **CLINCHER® 960 EC** can be applied in a tank mixture with either ATRANEX® 500 SC, or SUPRANEX 600 SC, or SUPRANEX 900 WG for prolonged broadleaf weed control. Please consult your representative for more details. The application rate for ATRANEX® 500 SC and SUPRANEX 600 SC should not exceed 2.0 L/ha (or 1.3 kg/ha for SUPRANEX 900 WG) where follow-up crops include triazine sensitive crops such as cotton, soybeans, dry beans, groundnuts, wheat, tobacco and vegetables.

CLAY (%)	DOSAGE			
	CLINCHER® 960 EC (L/ha)	plus **ATRANEX® 500 SC (L/ha)**	or **SUPRANEX 600 SC (L/ha)**	or **SUPRANEX 900 WG**
0−10	0.45−0.55	2.5	2.0	1.3
11−20	0.4	3.0	2.5	1.7
21−30	0.5	3.6	3.0	2.0
31−40	0.5−0.7*	3.6	3.0	2.0
41−50	0.5−0.7	3.6	3.0	2.0

* Use the higher rate if the organic matter exceeds 1%.

Potatoes

CLAY (%)	DOSAGE (L/ha)	REMARKS
All soil types.	1.9	**Pre-emergence (weeds) application:** Apply under dry land conditions, pre-emergence of potatoes and weeds, after the first summer rains. **Early post-emergence (weeds) application:** Apply after the first summer rains, under dry land conditions, pre-emergence of potatoes and early post emergence of weeds. Apply in tank mix with paraquat 200 SL (1–2 L/ha). **Do not apply after 10% emergence of potatoes**. Under irrigation, **CLINCHER® 960 EC** can be applied at 1.5 L/ha.

Sugarcane (pre-emergence application)

CLAY (%)	DOSAGE (L/HA)	REMARKS
0−35	1.5−2.5	Use the higher rate on high clay content soils to increase residual control and to improve control of *Panicum maximum* and *Cyperus esculentus*. If grass weeds are already emerging, use **CLINCHER® 960 EC** in tank mix with paraquat 200 SL. Broadleaf leaf weeds control can be improved by using **CLINCHER® 960 EC** in tank mix with AMETREX® 500 SC (2 L/ha on lower clay content soil and 3 L/ha on high clay content soils).
>35	2.5−3.0	Use 3 L/ha on soils with more than 35% clay and more than 1 % organic matter or to improve control of *Panicum maximum* and *Cyperus esculentus*. If grass weeds are already emerging, use **CLINCHER® 960 EC** in tank mix with paraquat 200 SL. Broadleaf leaf weeds control can be improved by using **CLINCHER® 960 EC** in tank mix with AMETREX® 500 SC (2 L/ha on lower clay content soil and 3 L/ha on high clay content soils).

Sugarcane (early post -emergence application)

CLINCHER 960 EC has no post-emergence activity on weeds that have emerged but can be applied post-emergence in tank mix with post-emergence herbicides as follows:

PRODUCT MIXTURES AND DOSAGE (L/HA)	REMARKS
CLINCHER® 960 EC (see pre-emergence rate) + AMETREX® 500 SC 2.0–3.0 L/ha +	Apply early post-emergence. Use paraquat 200 SL only up to 3-leaf stage of crop. Do not add any surfactant.

PRODUCT MIXTURES AND DOSAGE (L/HA)	REMARKS
paraquat 200 SL 1.5 L/ha	
CLINCHER® 960 EC (see pre-emergence rate) + AMETREX® 500 SC 4.0–5.0 L/ha + MCPA SL 3.5 L/ha *OR* 2,4-D Amine SL 3.0 L/ha + Non ionic surfactant at 0.2%	Apply as a directed spray between crop rows. Use higher rate of AMETREX® 500 SC on high weed pressure. This treatment may give variable control of *Panicum maximum.*
CLINCHER® 960 EC (see pre-emergence rate) + AMETREX® 500 SC 6.0 L/ha + Non-ionic surfactant at 0.2%	Applied treatment as overall spray up to 5-leaf stage. After 5-leaf stage, only apply as a directed spray between the crop rows. This tank mix may give variable control of *Panicum maximum.*
CLINCHER® 960 EC (see pre-emergence rate) + DIUREX® 800 SC 2.0–2.5 L/ha + paraquat 200 SL 1.5 L/ha	Use paraquat 200 SL only up to 3-leaf stage of crop. Do not add any surfactant. Apply DIUREX® 800 SC at higher rate for longer residual control.
CLINCHER® 960 EC (see pre-emergence rate) + Metribuzin 480 SC 2.0 L/ha + paraquat 200 SL 1.5 L/ha	Apply paraquat 200 SL up to 3-leaf stage of crop. Do not add any surfactant. Do not apply tank mixtures containing Metribuzin 480 SC on soils with less than 6% clay.

Tobacco (summer rainfall region only)

CLAY (%)	DOSAGE (L/HA)	REMARKS
0−10 11−20 21−35	0.77 1.08 1.5	Apply **CLINCHER® 960 EC** within 3 days after transplanting of the tobacco plants. The tobacco plants must still be in a wilted condition. If the plants are turgid the spray must be directed to prevent the spray from entering the funnel since the growing point may be damaged. Scorching may also

>35	2.15	occur if the spray comes into contact with actively growing leaves scorching may occur. Direct the spray on gravelly soils or soils with less than 10 % clay at least 10 cm on both sides away from the plant row to prevent leaching of the active to the root zone of the tobacco. Activate the **CLINCHER® 960 EC** by applying overhead irrigation of 10 to 15 mm on soils with less than 35 % clay and 20 to 30 mm on soils with more than 35% clay, within 2 to 3 days after application.

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 **CLINCHER® 960 EC.**

Annual grasses

BOTANICAL NAME	**COMMON NAME**
Brachiaria eruciformis	Sweet signal grass
Chloris virgata	Feathertop Chloris
Dactyloctenium aegyptium	Crowfoot
Digitaria nuda	-
Digitaria sanguinalis	Crab finger-grass
Echinichloa crus-galli	Barnyard grass
Eleusine coracana	Goose grass
Panicum maximum	Common buffalo grass
Panicum schinzii	Sweet buffalo grass
Pseudobrachiaria deflexa	False signal grass
Setaria pallide-fusca	Red bristle grass
Setaria verticillata	Sticky bristle grass
Sorghum verticilliflorum	Common wild-sorghum
Tragus berteronianus	Small carrot-seed grass
Tragus racemosus	Large carrot-seed grass

BOTANICAL NAME	COMMON NAME
Urochloa mosambicensis	Bushveld herringbone grass
Urochloa panicoides	Herringbone grass

Annual broadleaf weeds

Control of broadleaf weeds listed below may be variable depending weather conditions.

BOTANICAL NAME	COMMON NAME
Ageratum conyzoides	Invading Ageratum
Amaranthus hybridus	Common pigweed
Amaranthus spinosus	Thorny pigweed
Amaranthus thunbergii	Red pigweed
Chenopodium carinatum	Green goosefoot
Cleome monophylla	Spindle pod
Commelina benghalensis	Bengal wandering Jew
Datura ferox	Large thorn apple
Datura stramonium	Thorn apple
Galingsoga parviflora	Gallant soldier
Lactuca serriola	Wild lettuce
Nicandra physaloides	Apple-of Peru
Portulaca oleracea	Purslane
Solanum nigrum	Nightshade
Senecio madascariensis	Ragwort

Nutsedge

BOTANICAL NAME	COMMON NAME
Cyperus esculentus	Yellow nutsedge

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.

AMETREX® 500 SC (Reg. no. L4656) is the registered product of a company of the ADAMA GROUP.

ATRANEX® 500 SC (Reg. no. L5352) is the registered product of a company of the ADAMA GROUP.

DIUREX® 800 SC (Reg. no. L5334) is the registered product of a company of the ADAMA GROUP.

WAARSKUWINGS

- Skadelik indien ingesluk.
- Mag allergiese velreaksie veroorsaak.
- Veroorsaak ernstige oogirritasie.
- Baie giftig vir waterlewende organismes met langdurige gevolge.

- Hanteer versigtig.
- Irriterend vir oë en vel en veroorsaak sensitisering deur velkontak.
- Stoor in ′n koel, droë en goed geventileerde plek weg van direkte sonlig.
- Hou weg van vlamme.
- Stoor weg van voedsel, voer, saad, en kunsmis.
- **Herbetreding:** Moet nie die behandelde gebied binne 1 dag na toediening betree 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 onkruide 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 onstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

- Hou buite bereik van kinders.
- Lees sorgvuldig en volg alle instruksies.
- Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
- Vermy inaseming van poeier/walm/gas/stuifsel/dampe/spuitstof.
- Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming.
- Was hande, gesig en enige blootgestelde vel deeglik na hantering. Moet nie aan oë raak nie.
- Besoedelde werksklere moet nie buite die werksplek toegelaat word nie.
- Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie.
- Vermy vrystelling in die omgewing.

- INDIEN INGESLUK: Kry mediese hulp. Spoel mond uit.
- INDIEN OP VEL: Was met baie seep en water. Spesifieke behandeling (sien aanvullende noodhulpinstruksies op hierdie etiket).
- Indien velirritasie of uitslag ontstaan: Kry mediese hulp.
- Trek alle besoedelde klere uit en was dit voor hergebruik.
- INDIEN IN OË: Spoel versigtig met water vir etlike minute. Verwyder kontaklense indien aanwesig en maklik om te verwyder. Hou aan met spoel.
- Indien oogirritasie voortduur: Kry mediese hulp.
- Maak stortsel bymekaar.
- Raak ontslae van inhoud/houer by ‘n goedgekeurde afvalverwyderingsaanleg.

- Vermy inaseming van die spuitnewel.
- Vermy kontak met die vel en oë.
- Vermy dat die spuitnewel oor ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie, wegdryf.
- Keer die leë houer om oor die spuit of mengtenk en laat dreineer vir minstens 30 sekondes nadat die vloei tot ʼn gedrup verander het. Spoel daarna die leë houer drie keer uit met ʼn volume water wat minstens gelykstaande is aan 10% van die volume van die houer. 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.

RELEVANTE STOWWE

Chemiese naam	**w/w %**	**CAS no.**
Metolachloor	>60%	51218-45-2
Poli(oksi-1,2-etaandiël),.alfa.-[tris(1-fenieletiel)feniel)]-.omega-hidroksi	<10%	99734-09-5
Benseensulfoonsuur, C_{10}-C_{13} -alkielderivate, kalsiumsout	<10%	EC no: 932-231-6
2-Etielheksaan-1-ol	<10%	104-76-7

NOODHULPBEHANDELING

Ingeval van ‘n ongeluk of ongesteldheid, verkry onmiddellik mediese advies. Verskaf hierdie etiket en SDS aan mediese personeel vir behandeling. Noodpersoneel moet beskermende klere dra wat geskik is vir die soort en graad van kontaminasie.

Trek onmiddellik besoedelde klere uit en verwyder die geaffekteerde persoon uit die besoedelde area. Hou die persoon warm, kalm en bedek. Noodhulppersoneel moet oplet na hulle eie veiligheid.

Neem die produkhouer of produknaam saam wanneer mediese hulp versoek word.

Oogkontak: Spoel onmiddellik met groot hoeveelhede water. Na oë aanvanklike gespoel is, verwyder enige kontaklense en hou aan met spoel vir ten minste 15 minute. Hou oog wyd oop terwyl gespoel word. Kry onmiddellik mediese hulp indien simptome voorkom.

Velkontak: Was onmiddellik af met seep en baie water terwyl alle besoedelde klere en skoene verwyder word. Raadpleeg ‘n dokter indien nodig.

Inaseming: Verwyder die geaffekteerde persoon uit die blootstelling na ‘n area met vars lug. Indien asemhaling moelik is, moet suurstof deur gekwalifiseerde personeel toegedien word. Indien asemhaling ophou, gee kunsmatige asemhaling. Moenie mond-tot-mond asemhaling toepas indien die slagoffer die produk ingesluk of ingeasem het nie; pas kunsmatige asemhaling toe met behulp van ‘n mond-tot-mond respirator of ander toepaslike mediese asemhalingstoerusting. Raadpleeg ‘n dokter.

Indien ingesluk: Indien by volle bewussyn, spoel mond deeglik met water. Drink baie water. Moet nooit iets per mond aan ‘n bewustelose persoon of ‘n persoon met stuiptrekkings gee nie. Indien spontane braking plaasvind, laat die slagoffer vooroor buig om inaseming van braaksel te verhoed. Spoel mond uit en gee nog water. As simptome voortduur, skakel/raadpleeg ‘n dokter.

TOKSIKOLOGIESE INLIGTING

Teenmiddels

Geen spesifieke teenmiddel nie. Behandel simptomaties.

Simptome van menslike vergifting

Geen bekend nie.

NOTA AAN DIE GEBRUIKER: Hierdie landboumiddel moet slegs gebruik word soos aangedui volgens die gebruiksaanwysings in hierdie etiket. Dit is ‘n oortreding van die Wet om hierdie middel te gebruik op ‘n wyse wat strydig is met die aanwysings op die etiket

WEERSTANDSWAARSKUWING

Vir die bestuur van weerstand word **CLINCHER® 960 EC** as ′n groepkode K3 onkruiddoder geklassifiseer. Enige onkruidpopulasie mag individue hê wat natuurlike weerstand teen **CLINCHER® 960 EC** en groepkode K3 onkruiddoders besit. Die weerstandbiedende individue kan uiteindelik die populasie oorheers as hierdie onkruiddoders herhaaldelik gebruik word. Hierdie weerstandbiedende onkruide mag dalk nie deur **CLINCHER® 960 EC** of ander groepkode K3 onkruiddoders beheer word nie. Om onkruidweerstand te vertraag:

- Vermy die herhaaldelike eksklusiewe gebruik van onkruiddoders van dieselfde onkruiddodergroepkode. Wissel af of gebruik tenkmengsels met produkte van ander onkruiddodergroepkodes.

- Integreer beheermetodes (chemiese, verbouing en biologies) in onkruidbeheerprogramme

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

Indien **CLINCHER® 960 EC** weerstandbiedende onkruide nie beheer nie, sal ADAMA South Africa nie verantwoordelikheid vir sulke verliese aanvaar nie, aangesien die opspoor van weerstandbiedende onkruide voor toediening baie moeilik is. Vermy die gebruik van **CLINCHER® 960 EC** in gebiede waar onkruidweerstandbiedendheid reeds bevestig is.

MEGANISME VAN WERKING

K3: Inhibisie van baie langkettingvetsuursintese

GEBRUIKSBEPERKINGS

- Moet nie **CLINCHER® 960 EC** op eksperimentele, nuutvrygestelde kultivars of ingeteelde ouerplante gebruik voordat u eers die saadverskaffer of die registrasiehouer geraadpleeg het nie.
- Die gebruik van **CLINCHER® 960 EC** op swak gedreineerde gronde en gronde met ′n verdigtingslaag wat versuiping kan veroorsaak, kan lei tot gewasskade.
- Swaar reën (25 mm per dag of 50 mm oor ′n periode van 3-7 dae) asook vloedbesproeiing op baie sanderige gronde (<15 % klei) met ′n lae organiese materiaal inhoud (<1 %) kan onkruidbeheer nadelig beïnvloed.
- Droëbone- en graansorghumsaad moet met doeltreffende swamdoders behandel word om saailingsiektes (byvoorbeeld *Pythium* en *Rhizoctonia* spp.) te beheer. Moet nie aan droëbone toedien op landerye waar monokultuur toegepas word of grondgedraagte siektes teenwoordig is nie.
- Moet nie **CLINCHER® 960 EC** as ′n vooropkom behandeling in mielies toedien nie.
- Op sanderige, vlak en versuipte gronde met ′n ondeurdringbare kleilaag minder as 100 cm diep kan **CLINCHER® 960 EC** skade aan sonneblomme en droëbone veroorsaak.
- Onder warm droë toestande asook die teenwoordigheid van ′n ploegsool in die grond kan **CLINCHER® 960 EC** ook skade aan droëbone veroorsaak.
- Wanneer **CLINCHER® 960 EC** in ′n tenkmengsel met ander produkte gebruik word, moet die voorwaardes en beperkings soos wat dit op daardie produketikette 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 en 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 **CLINCHER® 960 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 **CLINCHER® 960 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 **CLINCHER® 960 EC** en ander produkte 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 **CLINCHER® 960 EC** by terwyl voortdurend geroer word. Vul nou die spuittenk met water. Verwys na die etikette van die produkte wat met **CLINCHER® 960 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.

Toedieningnotas

Dien **CLINCHER® 960 EC** toe volgens die onderskeie gewasaanbevelings hieronder, verkieslik voordat die onkruide ontkiem. Dien **CLINCHER® 960 EC** tydens plant of so gou moontlik daarna toe, maar nie later as 3 dae na plant nie. Die saadbed moet fyn, ferm en gelyk wees sonder enige onkruide of oormatige hoeveelheid plantreste.Aaneenlopende reën of besproeiing van ten minste 15 mm word na toediening benodig om die aktiewe bestanddeel in die grond binne die ontkiemingsgebied van die onkruid in te loog. As dit nie reën nie en die onkruid begin ontkiem, kan ′n ligte bewerking uitgevoer word om die onkruide te beheer en die onkruiddoder in die boonste 10−20 mm van die grond in te werk.Moet nie eg na toediening nie omdat dit kan lei tot swak onkruidbeheer as gevolg van die ontbloting van onbehandelde grond.

Grondtoediening

CLINCHER® 960 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. Gebruik platwaaierspuitpunte en ′n spuitvolume van ten minste 200 L water per hektaar.

Lugtoediening

CLINCHER® 960 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:

- <u>Volume</u>: ′n Spuitmengsel volume van 30 L per hektaar word aanbeveel. Hierdie produk is nie teen ′n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen ′n laer volume, as hierbo aanbeveel, toegedien word nie.
- <u>Druppelbedekking:</u> 20 tot 30 druppels per cm^2 moet op die teikenarea herwin word.

- Druppelgrootte: ′n Druppelspektrum met ′n VMD van 350 tot 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 tot 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 tot 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:
  a) verlaagde effektiwiteit aangesien die druppels as ′n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken),
  b) 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

Eucalyptus- en denneplantasies

KLEI (%)	DOSIS (L/HA)	OPMERKINGS
0−20 21−30 >30	1.5 2.0 2.5	**Hoofsaaklik eenjarige grasse:** Dien as ′n algehele toediening na uitplant van die jong boompies op ′n onkruidvrye saadbed toe. Moet nie bo-oor die jong boompies spuit nie. Indien onkruide reeds voor uitplant van die boompies teenwoordig is, kan ′n tenkmengsel van **CLINCHER® 960 EC** en paraquat 200 SL net voor plant toegedien word.

ADAMA
Listen · Learn · Deliver

Droëbone, grondbone, lupiene, sonneblom en sojabone

KLEI (%)	DOSIS (L/HA)	OPMERKINGS
0−20 21−30 >30	0.9−1.2 1.2−1.5 1.5-2.0	**Hoofsaaklik eenjarige grasse:** Dien as ′n vooropkom toediening toe op ′n onkruidvrye saadbed. Gebruik die hoër dosis indien geeluintjies en kruisvingergras aanwesig is of indien die organiese materiaal meer is as 1%.

Graan- en voersorghum (saad behandel met ′n beveiliger)

CLINCHER® 960 EC kan alleenlik op sorghum gebruik word indien die saad behoorlik met ′n geregistreerde beveiliger behandel is om die saad teen metolachloorskade te beskerm. Ernstige gewasskade sal voorkom indien die sorghumsaad nie met ′n geskikte beveiliger behandel is nie. Onder hoë grondvog toestande kan **CLINCHER® 960 EC** 4-6 weeks na plant fitotoksiese simptome veroorsaak. Die gewas sal normaalweg hierdie skade ontgroei sonder enige nadelige invloed op die opbrengs. Vermy die vorming van ′n kors op die grondoppervlakte deur so gou as moontlik ′n vlak bewerking uit te voer. Indien saailingsiektes teenwoordig is, kan **CLINCHER® 960 EC** die sorghum beskadig.

Graan- en voersorghum

KLEI (%)	DOSIS (L/ha)	OPMERKINGS
0−20 21−30 31-40 >40	Nie aanbeveel nie 1.2 1.4 1.4-2.0	**Hoofsaaklik eenjarige grasse:** Dien as ′n vooropkoms toediening toe op ′n onkruidvrye saadbed. Gebruik die hoër dosis indien die organiese materiaal meer is as 1% is of op turfgronde vir goeie beheer van litjiesinjaalgras en kruisvingergras. Vir die beheer van breëblaaronkruide kan ATRANEX® 500 SC of SUPRANEX®600 SC, of SUPRANEX 900 WG gebruik word in ′n tenkmengsel met 2,4-D AMINE SL. Verwys na die onderskeie produkte se etikette en volg die aanwysings.

Mielies (vroeg na opkoms)

CLINCHER® 960 EC kan gebruik word as ′n vroeë na-opkomstoediening in mielies om die grasbeheer na ′n asetanilied toediening te verleng. Dien **CLINCHER® 960 EC** vroeg na opkoms van mielies en voor opkoms van die onkruide direk na ′n bewerking toe wanneer geen onkruide aanwesig is nie. Enige onkruide wat aanwesig is gedurende die toediening sal nie beheer word nie. Vir verlengde onkruidbeheer kan **CLINCHER® 960 EC** in ′n tenkmengsel met ATRANEX® 500 SC of SUPRANEX 600 SC of SUPRANEX 900 WG toegedien word. Raadpleeg u verteenwoordiger vir meer besonderhede. Die toedieningshoeveelheid vir ATRANEX® 500 SC of SUPRANEX 600 SC moet nie 2 L/ha (of 1.3 kg/ha vir SUPRANEX 900 WG) oorskry nie waar atrasien sensitiewe gewasse soos katoen, sojabone, droëbone, grondbone, koring, tabak en groente geplant gaan word.

KLEI (%)	DOSIS			
	CLINCHER® 960 EC (L/ha)	plus **ATRANEX® 500 SC (L/ha)**	of **SUPRANEX 600 SC (L/ha)**	of **SUPRANEX 900 WG**
0−10	0.45−0.55	2.5	2.0	1.3
11−20	0.4	3.0	2.5	1.7
21−30	0.5	3.6	3.0	2.0
31−40	0.5−0.7*	3.6	3.0	2.0
41−50	0.5−0.7	3.6	3.0	2.0

* Gebruik die hoër dosis indien die organiese inhoud 1% oorskry.

Aartappels

KLEI (%)	DOSIS (L/HA)	OPMERKINGS
Alle grondtipes	1.9	**Vooropkom (onkruide) toediening:** Dien vooropkom van droëland aartappels en onkruide toe, na die eerste somerreën. **Vroeg na-opkom (onkruide) toediening:** Dien vooropkom van droëland aartappels en vroeg na-opkom van onkruide toe, na die eerste somerreën. Dien toe in ′n tenkmengsel met paraquat 200 SL (1–2 L/ha). **Moet nie toedien nie nadat 10% van die aartappels opgekom het.** Onder besproeiing kan **CLINCHER® 960 EC teen** 1.5 L/ha toegedien word.

Suikerriet (vooropkom toediening)

KLEI (%)	DOSIS (L/HA)	OPMERKINGS
0−35	1.5−2.5	Gebruik die hoër dosis op gronde met ′n hoë klei-inhoud of om die beheer van *Panicum maximum* en *Cyperus esculentus* te verbeter. Indien grasonkruide alreeds ontkiem het, gebruik ′n tenkmengsel van **CLINCHER® 960 EC** en paraquat 200 SL**.** Die beheer van breëblaaronkruide kan verbeter word met tenkmengsels van **CLINCHER® 960 EC** en AMETREX® 500 SC (2 L/ha op lae klei-inhoud gronde en 3 L/ha op hoë klei-inhoud gronde).
>35	2.5−3.0	Gebruik 3 L/ha op gronde met meer as 35% klei en meer as 1 % organiese materiaal of om die beheer van *Panicum maximum* en *Cyperus esculentus* te verbeter. Indien grasonkruide alreeds begin verskyn moet **CLINCHER® 960 EC** in ′n tenkmengsel met paraquat 200 SL gebruik word.

		Die beheer van breëblaaronkruide kan verbeter word met tenkmengsels van **CLINCHER® 960 EC** en AMETREX® 500 SC (2 L/ha op lae klei-inhoud gronde en 3 L/ha op hoë klei-inhoud gronde).

Suikerriet (vroeg na opkom)

CLINCHER® 960 EC het geen na-opkom-aktiwiteit op onkruide wat reeds opgekom het nie, maar kan na-opkom saam met na-opkom onkruiddoders in tenkmengsels as volg toegedien word:

PRODUKMENGSELS EN DOSISSE (L/HA)	OPMERKINGS
CLINCHER® 960 EC (kyk vooropkom-dosis) **+** AMETREX® 500 SC 2.0–3.0 L/ha + paraquat 200 SL 1.5 L/ha	Dien vroeg na-opkom toe. Gebruik paraquat 200 SL tot en met die drieblaarstadium van die gewas. Moet nie ′n benatter byvoeg nie.
CLINCHER® 960 EC (kyk vooropkom-dosis) **+** AMETREX® 500 SC 4.0–5.0 L/ha + MCPA SL 3.5 L/ha *OF* 2,4-D Amine SL 3.0 L/ha + nie-ioniese benatter teen 0.2%	Dien toe as ′n gerigte bespuiting tussen die rye van die gewas. Gebruik die hoër AMETREX® 500 SC dosis vir hoë onkruiddruk. Hierdie behandeling sal *Panicum maximum* wisselvallig beheer.
CLINCHER® 960 EC (kyk vooropkom-dosis) **+** AMETREX ® 500 SC 6.0 L/ha + nie-ioniese benatter teen 0.2%	Dien toe as ′n algehele toediening tot en met die vyfblaarstadium van die gewas. Dien alleenlik toe as ′n gerigte bespuiting tussen die rye van die gewas na die vyfblaarstadium. Hierdie behandeling sal *Panicum maximum* wisselvallig beheer.
CLINCHER® 960 EC (kyk vooropkom-dosis) + DIUREX® 800 SC 2.0–2.5 L/ha + paraquat 200 SL teen 1.5 L/ha	Gebruik paraquat 200 SL alleenlik tot en met die drieblaarstadium van die gewas. Moet nie ′n benatter byvoeg nie. Gebruik die hoër DIUREX® 800 SC dosis vir langer nawerking.

CLINCHER® 960 EC (kyk vooropkom-dosis) + Metribuzin 480 SC 2.0 L/ha + paraquat 200 SL 1.5 L/ha	Gebruik paraquat 200 SL alleenlik tot en met die drieblaarstadium van die gewas. Moet nie ′n benatter byvoeg nie. Moet nie tenkmengsels wat Metribuzin 480 SC bevat gebruik nie op gronde met minder as 6% klei.

Tabak (alleenlik somerreënvalgebied)

KLEI (%)	DOSIS (L/HA)	OPMERKINGS
0-10 11-20 21-35 >35	0.77 1.08 1.5 2.15	Dien **CLINCHER® 960 EC** toe binne 3 dae na uitplant van die tabakplantjies. Die tabakplantjies mot nog verwelk wees. Indien die plantjies turgied is, rig die sproei om te voorkom dat die sproei in die kelk beland aangesien dit die groeipunt kan beskadig. Indien die sproei in kontak met aktief groeiende blare kom, kan skroeiskade ook voorkom. Op gruisgronde of gronde met minder as 10% klei, moet die sproei ten minste 10 cm weg van die plantry gerig word om loging van die aktief in die wortelsone van die tabak te vermy. Aktiveer die **CLINCHER® 960 EC** binne 2 tot 3 dae na toediening deur oorhoofse besproeiing van 10 tot 15 mm op gronde met minder as 35% klei en 20 tot 30 mm op gronde met meer as 35% klei.

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 breëblaaronkruide te verbeter, word aanbeveel dat **CLINCHER® 960 EC** in tenkmengsels met geregistreerde breëblaarmiddels toegedien word, of dat die **CLINCHER® 960 EC** toediening opgevolg moet word met ′n toediening van ′n geregistreerde breëblaaronkruiddoder.

Eenjarige grasse

BOTANIESE NAAM	GEWONE NAAM
Brachiaria eruciformis	Litjiesinjaalgras
Chloris virgata	Witpluim-Chloris
Dactyloctenium aegyptium	Hoenderspoor
Digitaria nuda	-
Digitaria sanguinalis	Kruisvingergras
Echinichloa crus-gali	Hanepootmanna

BOTANIESE NAAM	GEWONE NAAM
Eleusine coracana	Jongosgras
Panicum maximum	Gewone buffelsgras
Panicum schinzii	Soetbuffelsgras
Pseudobrachiaria deflexa	Bastersinjaalgras
Setaria pallide-fusca	Rooiborselgras
Setaria verticillata	Klitsborselgras
Sorghum verticilliflorum	Gewone wildesorghum
Tragus berteronianus	Kleinwortelsaadgras
Tragus racemosus	Grootwortelsaadgras
Urochloa mosambicensis	Bosveldbeesgras
Urochloa panicoides	Beesgras

Breëblaaronkruide

Die beheer van breëblaaronkruide hieronder gelys mag wisselvallig wees, afhangende van weerstoestande.

BOTANIESE NAAM	GEWONE NAAM
Ageratum conyzoides	Indringer Ageratum
Amaranthus hybridus	Gewone misbredie
Amaranthus spinosus	Doringmisbredie
Amaranthus thunbergii	Rooimisbredie
Chenopodium carinatum	Groenhondebossie
Cleome monophylla	Rusperbossie
Commelina benghalensis	Bengaalse wandelende Jood
Datura ferox	Grootstinkblaar
Datura stramonium	Stinkblaar
Galingsoga parviflora	Knopkruid
Lactuca serriola	Wildeslaai

Nicandra physaloides	Basterappelliefie
Portulaca oleracea	Porslein
Solanum nigrum	Nastergal
Senecio madagascariensis	Groot senecio

Uintjies

BOTANIESE NAAM	GEWONE NAAM
Cyperus esculentus	Geeluintjie

Nota: 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 uintjies ontkiem en begin ontwikkel.

AMETREX® 500 SC (Reg. no. L4656) is 'n geregistreerde produk van 'n maatskappy van die ADAMA GROEP.

ATRANEX® 500 SC (Reg. no. L5352) is 'n geregistreerde produk van 'n maatskappy van die ADAMA GROEP

DIUREX® 800 SC (Reg. no. L5334) is die 'n geregistreerde produk van 'n maatskappy van die ADAMA GROEP.