

AMINOX

Reg. No. / Nr L10724 Act No. 36 of 1947 / Wet Nr 36 van 1947

GROUP 4 HERBICIDE

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

A systemic, oil in water emulsion concentrate 'n Sistemiese, olie in water emulsiekonsentraat herbicide for the control of woody weeds as onkruidodder vir die beheer van houtagtige listed for forestry, grass pastures, onkruid spesies soos aangetoon in bosbou, conservation and industrial areas. grasweidings bewarings- en nywerheidsgebiede.

Active Ingredients / Aktiewe Bestanddele

Triclopyr (Pyridine compound)contains 240 g a.i. per l.....	Triklopir (Piridienverbinding) (as butoksiethielester)
(as butoxyethyl ester)	
Aminopyralid (Pyridine compound)contains 30 g a.i. per l.....	Aminopiraliëd (Piridienverbinding) (as die K ⁺ sout)
(as the K ⁺ salt)	



Hazard statements

Harmful if swallowed.
Causes skin irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements

IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty of water.
Avoid release to the environment.

WARNING



REGISTRATION HOLDER / REGISTRASIEHOUER:

Agrotech Bioscience (Pty) Ltd / (Edms) Bpk t/a Carabiner
Reg. No. 2008/004392/07
6 Antwerp Street, Apex, Benoni,
1540
South Africa / Suid-Afrika



Batch No./Date manufactured/Expiry date: Refer to details printed on container

UN No. / VN Nr. 3082

Net volume L Netto Volume

In case of poisoning, call the following numbers:

Poisons Information Helpline: +27 861 555 777
EMERGENCY NUMBER: +27 82 446 8946

WARNINGS

- GHS Hazard statements

Harmful if swallowed.
Causes skin irritation.
Very toxic to aquatic life with long lasting effects.

- **RE-ENTRY:** Do not enter the treated area within 1 day after application unless wearing protective clothing.
- **In case of poisoning immediately call a physician and make this label available to him/her.**

DISCLAIMER

Although this remedy has been tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal 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 concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment, or harm to man, or animal, or for lack of performance of the remedy concerned, due to 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

- GHS Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty of water.
Specific treatment (see First Aid Treatment on this label).
Rinse mouth.
If skin irritation occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container in accordance with national regulations.

- **OPERATOR PROTECTION**
 - Handle with care.
 - Wear protective gloves and face shield or safety glasses when handling the concentrate.
 - Do not breathe fumes or spray mist.
 - Avoid contact with skin, eyes, and clothes.
 - In the case of contamination, flush immediately with water.
 - Wash with soap and water directly after use and accidental skin contact as well as contact with contaminated clothing.

- Avoid skin and eye contact. Should eye contact occur, flush the eyes with plenty of clean water for 15 minutes holding eyelids open. Remove contact lenses after 1-2 minutes of irrigation. **Seek medical attention.**
 - Do not smoke, eat, drink, or use the toilet whilst handling this product or before washing hands and face with soap and water and changing clothes.
 - Wash contaminated clothing after use.
- ENVIRONMENTAL PROTECTION
 - Prevent spray drift onto other non-target vegetation, crops, grazing, rivers, dams, or areas not under treatment.
 - Do not contaminate dams, rivers, lakes, or any other water sources.
 - Dispose of the rinsate where it will not contaminate crops, grazing, rivers, dams, and boreholes.
- STORAGE AND DISPOSAL
 - Store under lock and key in the tightly closed original container in a cool, dry place out of direct sunlight.
 - Store away from food, feed, fertilizer, and seed.
 - **KEEP OUT OF SIGHT AND REACH OF CHILDREN**, uninformed persons, untrained personnel, unauthorised personnel and animals.
 - Do not allow access to this product by children, uninformed persons, untrained personnel, unauthorised personnel, or animals under any circumstances.
 - Prevent contamination of food, feeds, drinking water and eating utensils.
 - Containers and packages must be completely emptied before disposal.
 - **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Destroy the triple rinsed container by perforation and flattening and do not use for any other purpose. Store appropriately until it can be disposed of via an approved collector or recycler authorised to recycle or destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Empty containers and product should not be burnt. Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
 - **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.**

RELEVANT SUBSTANCES

Hazardous Ingredients	Concentration (w/v)
Aminopyralid potassium	>3%
Triclopyr as butoxy ethyl ester	>30%
Ethylene glycol	<10%

FIRST AID TREATMENT

If medical advice is needed, have product container or label at hand. Provide medical personnel with the container, label or safety data sheet (SDS) when seeking medical attention.

General Information: Remove patient from exposed area. Never give fluids or induce vomiting if the patient is unconscious or is having convulsions. There are no specific signs of poisoning. The concentrate may cause severe eye irritation. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Ingestion of large amounts may cause gastrointestinal irritation. Single

exposure to vapours is not likely to be hazardous.

Inhalation: Remove patient to fresh air. Keep patient calm. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). **Seek medical attention.**

Skin contact: Remove all contaminated clothing immediately. Rinse affected areas (skin) immediately with plenty of water/shower. Wash contaminated clothing before re-use. Persons providing first aid must wear gloves to avoid self-contamination. **Seek medical attention.**

Eye contact: Flush eyes immediately with plenty of clean, room temperature water for at least 15 minutes holding eyelids open. Remove contact lenses if present, after 1-2 minutes, then continue rinsing eyes. **Seek medical attention.**

Ingestion: Rinse mouth immediately with clean water and have the patient sip a glass of water if the patient is alert and able. Do not induce vomiting unless instructed to do so by a medical professional. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions. **Seek medical attention.**

No specific antidote known. Treat symptomatically and supportively. If lavage is performed, suggest endotracheal and / or oesophagoscopic control.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **AMINOX** is a group code 4 herbicide. Any weed population may contain individuals naturally resistant to **AMINOX** and other group code 4 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **AMINOX** or any other group code 4 herbicide.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate, or tank mix, with registered products from different herbicide group codes. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.
- Refer to the Herbicide Resistance Action Committee for information regarding any applicable resistance management of group 4 herbicides at <https://hracglobal.com/> for more information.
- Avoid distribution of the resistant species to adjacent fields by implements during the cultivation period.

As the occurrence of resistance cannot be forecast, users are advised to keep all treated areas under close observation. If the treatment is not effective following the use of **AMINOX** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to the prompt use of a herbicide with a different mode of action against which no record of resistance exists.

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

The presence of resistant weeds is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **AMINOX** not controlling resistant weeds. Do not apply **AMINOX** alone in situations where weed resistance has been confirmed. Sub-standard application of **AMINOX** or other group code 4 herbicides will lead to inferior weed control

and may assist in development of herbicide resistance.

Ensure that the person assigned to apply the product is properly trained in its use.

MODE OF ACTION

Triclopyr is a selective systemic herbicide, rapidly absorbed by the foliage and roots and then translocated throughout the plant. Triclopyr accumulates in the meristematic tissue where it induces auxin-type responses.

Aminopyralid is a synthetic auxin causing epinasty, followed by necrosis. Systemic, foliar herbicide, rapidly absorbed by leaves and roots.

DIRECTIONS FOR USE - Use only as directed.

NOTICE TO USER: This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under Act No. 36 of 1947 to use this agricultural remedy for any purpose in any manner contrary to the directions on the label.

COMPATIBILITY

AMINOX is compatible with an oil based adjuvant such as H&R Crop oil (L6802). Consult the label of H&R Crop oil (L6802) for full details.

USE RESTRICTIONS

Precautions for avoiding injury to non-target plants are:

- **Do not permit spray mist to drift** or come into contact with sensitive broadleaf crops, including but not limited to lucerne, beans, melons, potatoes, soyabeans, sunflower, tobacco, tomatoes, cotton, fruit trees, grape vines, ornamentals, soil containing roots of these plants, soil in which such plants are to be grown, grain varieties in a susceptible stage of growth or grazing or any other area not under treatment.
- **Do not contaminate water intended for irrigation or domestic purposes.** To avoid injury to crops or other desirable plants, do not treat or allow spray or spray drift or spray run-off to fall onto banks or bottoms of irrigation ditches, canals, streams, dams, rivers, either dry or containing water that may be used for irrigation or domestic purposes or may carry water to an irrigation facility.
- **Do not make application when circumstances favour movement from treated site.**
- **Do not apply to areas that may be rotated to any broadleaf crop.**
- **Do not use manure** from animals grazing treated areas on land used for growing broadleaf crops, ornamentals, orchards or other susceptible crops. Manure may contain enough herbicide to cause injury to susceptible plants.
- **Do not use grass or sprayed plants** from treated areas for composting or mulching of susceptible broadleaf plants or crops.
- **Do not transfer livestock** from treated grazing areas (or feeding of treated grass) onto sensitive broadleaf crop areas without first allowing 7 days of grazing on an untreated grass pasture. Otherwise, urine and manure may contain enough herbicide to cause injury to sensitive broadleaf plants.
- **Do not use on flood irrigated land or fields.**
- **Do not move treated soil** to areas other than sites for which **AMINOX** is registered for use.
- **Do not apply through a mist blower.**
- **Do not apply to land NEAR to desirable broadleaved plants** or land onto which such plants are to be grown or grain varieties in a susceptible stage of growth. **AMINOX** may, however, be applied

in the **VICINITY** of desirable broadleaved plants, or soil or land onto which such plants are to be grown, or grain varieties in a susceptible stage of growth, **PROVIDED THAT ADEQUATE PRECAUTIONARY MEASURES ARE TAKEN TO AVOID SPRAYDRIFT OR CONTAMINATION OF RUN-OFF AREAS.**

- Only apply **AMINOX** using an accurate and safe application technique.
- If **AMINOX** is used in a tank mix with other recommended remedies, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Agritech Bioscience (Pty) Ltd t/a Carabiner accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Carabiner representative was consulted beforehand.
- By buying this product, the buyer undertakes that the user is fully aware of and suitably trained on the hazards associated with the preparation and use of this product. By selecting this product voluntarily, the user assumes responsibility for his or her own personal protection whilst storing, mixing, and applying the product in the approved manner according to the instructions for use. The user also confirms to have consulted the SDS of this product and he/she is aware of the potential health hazards which could arise out of use and misuse of this product. Users are encouraged to keep records of all procedures followed and which personal protection equipment was used at all times. All personal protection equipment used must be kept clean and in good working order according to the manufacturer's specifications. Agritech Bioscience (Pty) Ltd t/a Carabiner accepts no responsibility for any adverse effects experienced if the instructions on this label are not adhered to or resulting from improper use of this product or the use of unsuitable personal protection equipment. The user has selected to use this product at his/her own free will and risk.

MIXING INSTRUCTIONS

For foliar applications, half fill the spray tank with water and add the required quantity of **AMINOX**. While filling the spray tank add paraffinic mineral oil at the rate indicated below while maintaining constant agitation. Fill the spray tank to the required volume with suitable water while maintaining agitation. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturer's label recommendations. Ensure thorough agitation of the mixture in the tank during mixing and application.

Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight. Spraying equipment must be thoroughly flushed out at the end of the spraying operation as described above. Ensure that spray premixes and/or final spray mixtures are kept out of reach of children, uninformed persons, untrained personnel, unauthorised personnel and animals.

APPLICATION INSTRUCTIONS

Foliar application:

Use only on actively growing weeds with full leaf cover

- Apply as a full cover spray to leaves and stems to the point of spray solution run-off.
- Do not apply to foliage wet from rain or dew etc.
- Avoid spray drift onto non-target plants.
- Use a knapsack sprayer with a solid cone nozzle (e.g. Spraying Systems TG-1, Delavan CE 1 or equivalent type) that will ensure an even coverage of the target area. Maintain a constant pressure of between 200 – 250 kPa.
- Rain 3 hours after application will have no effect on efficacy provided the spray has dried on the target weed.
- Prevent drift of spray mist onto desirable plants.

Warning:

If topkill is obtained but regrowth occurs from the crown, apply a herbicide, registered for the relevant species, as a foliar spray.

APPLICATION RATES**FOLIAR APPLICATION**

NOTE: An oil based adjuvant such as H&R Crop oil should be added at a rate of 500 ml/100 l spray mix for all foliar applications. Consult the H&R Crop oil label for full details.

TABLE 1: WEED CONTROL WITH FOLIAR APPLICATIONS

SPECIES	RATE/100 ℓ WATER	REMARKS
Black wattle (<i>Acacia mearnsii</i>)	250 mℓ (0.25 % mixture)	Apply to young actively growing trees (saplings) up to 2 metres in height until the point of run-off.
Blackwood (<i>Acacia melanoxylon</i>)	500 mℓ (0.5 % mixture)	
Bugweed (<i>Solanum mauritianum</i>)	250 mℓ (0.25 % mixture)	
Lantana (<i>Lantana camara</i>)	375 mℓ (0.375 % mixture)	
Port Jackson willow (<i>Acacia saligna</i>)		
Red eye (<i>Acacia cyclops</i>)		
Triffid weed (<i>Chromolaena odorata</i>)		

AMINOX controls trees and shrubs. Other trees and shrubs that were not present during the development trials with the product may also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted trees and shrubs.

N.B. - In situations where more than one species of the target weed occurs contact your local technical representative.

ACKNOWLEDGEMENT OF TRADEMARK

H&R Crop Oil (L6802)

H&R South Africa (Pty) Ltd