

ELIMIN800

Reg. No. / Nr L11744 Act No. 36 of 1947 / Wet Nr 36 van 1947

GROUP

9

HERBICIDE

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

A water soluble granular non-selective, foliar applied systemic herbicide, for the control of a wide range of annual and perennial weeds in non-crop, crop and industrial areas.

'n Wateroplosbare korrel nie-selektiewe, blaartoegediende sistemiese onkruidodder vir die beheer van verskeie eenjarige en meerjarige onkruid in onbeboude, gewas en nywerheidsgebiede.

Active Ingredients / Aktiewe Bestanddele

Glyphosate (glycine) contains 800 g a.i. per kg Glifosaat (glisien)
(Glyphosate ammonium salt)contains 880 g a.i. per kg (Glifosaat ammoniumsout)

Hazard Statements

Causes mild skin irritation.
Causes serious eye damage.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Wash hands thoroughly after handling. Do not touch eyes.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Avoid release to the environment.



DANGER



REGISTRATION HOLDER / REGISTRASIEHOUER:

Agritech 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. 3077

Net volume kg 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

Causes mild skin irritation.
Causes serious eye damage.
Toxic to aquatic life with long lasting effects.

- Harmful when swallowed.
- Handle with caution.
- Do not mix, store, or apply **ELIMIN800** solutions in galvanised steel or unlined steel (except stainless steel) containers or spray tanks as a reaction will produce hydrogen gas which is highly combustible.
- Keep out of reach of children, uninformed persons, and animals.
- **ELIMIN800** is a highly active herbicide which, in small quantities, when used incorrectly can cause serious damage to crop seedlings, deciduous fruit trees and grape vines during the budding and early season growth stages. Under the following conditions it can cause serious damage as far as 3 to 6 km away from the area under treatment: Cloudy weather with relative humidity above 80% and low air movement of less than 5 km per hour. When such conditions prevail, **ELIMIN800** must not be applied where sensitive crop seedlings, deciduous fruit trees and grape vines in budding or early development stages are present within 5 km from the area under treatment.
- **RE-ENTRY:** Do not enter a treated area within 2 days after treatment 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 spray drift to contaminate adjacent areas such as crops, rivers, dams and wetlands.
- **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 touch eyes.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical help.

Collect spillage.

Dispose of contents/container in accordance with national regulations.

- OPERATOR PROTECTION

- Handle with care.
- Do not inhale spray mist or fumes.
- Wash with soap and water after use and accidental skin contact as well as contact with contaminated clothing.
- Should eye contact occur, flush the eyes with plenty of clean water for 15 minutes holding eyelids open. Remove contact lenses, if present, after 1-2 minutes, continue rinsing. **Seek medical attention.**
- Avoid skin and eye contact by wearing protective clothing when mixing the product.
- Wash contaminated clothing after use.
- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- Do not add foliar fertilizers to **ELIMIN800**.
- At high concentrations foaming may be experienced. This can be overcome by the addition of a suitable antifoaming agent to the spray solution before the addition of **ELIMIN800**.

- 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.
- Avoid drift of spray onto non-target plants, grazing, rivers, dams, and areas not under treatment.
- Direct or spray drift contact by **ELIMIN800** with leaves, green or immature bark or fruit of non-target plants may result in localised or translocated damage.
- Clean the applicator with clean water directly after use. 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 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.
- **CLEAN THE EMPTY FOIL BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and do not use for any other purpose. Store appropriately until it can be taken to a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations for disposal. Empty containers and product should not be burnt. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs.
- **DO NOT REUSE THE EMPTY FOIL BAG FOR ANY OTHER PURPOSE.**

RELEVANT SUBSTANCES

Hazardous Ingredients	Concentration (w/w)
Ammonium salt of Glyphosate	<88%
Decyl glucoside	>5%

FIRST AID TREATMENT

If medical advice is needed, have product container or label at hand. Provide medical personnel with the product 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.

Inhalation: Move person to fresh air. 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: Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash thoroughly with water and non-abrasive soap (including hair, skin, and fingernails) for at least 15 minutes. Do not rub skin. Wash contaminated clothing before re-use. If symptoms persist, seek medical assistance. Persons providing first aid must wear gloves to avoid self-contamination. **Seek medical attention.**

Eye contact: Flush eyes with clean water for 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses and continue rinsing. **Seek medical attention immediately.**

Ingestion: Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless instructed to do so by a poison control centre or medical doctor. One or two glasses of water may be given if the patient is alert. Loosen tight clothing. Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and at rest. Keep airway open to maintain breathing, especially if person is unconscious or has vomited. Do not apply direct mouth-to-mouth respiration. **Seek medical attention.**

Treat symptomatically and supportively. Symptoms include headache, vomiting and diarrhoea. Administer aminophylline (0.25 - 0.5 g) slowly, intravenously. Administer morphine in small dosages (5 –10 mg) slowly, intravenously to ally and promote deeper respiration. Children's dosage 0.1 – 0.2 mg/kg. Epinephrine, atropine and expectorants are not generally helpful and may complicate treatment. Symptomatic treatment and supportive therapy as indicated. For further information on the treatment of poisoning refer to the product Safety Data Sheet provided.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **ELIMIN800** is a group code 9 herbicide. Any weed population may contain individuals naturally resistant to **ELIMIN800** and other group code 9 herbicides. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **ELIMIN800** or any other group code 9 herbicide.

To delay herbicide resistance:

- Avoid the 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 (such as chemical, cultural, biological) into weed control programmes.
- Refer to the Herbicide Resistance Action Committee for information regarding any applicable resistance management of group 9 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 crops under close observation. If the treatment is not effective following the use of **ELIMIN800** 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.

Inconsistent control of certain grass populations and other weeds such as *Lolium* species, *Phalaris* species, *Avena* species (reported known resistance), *Chenopodium* species (plants with waxy leaves), *Conyza bonariensis* (Flax-leaf fleabane), *Commelina benghalensis* (Benghal wandering jew), *Ipomoea* species (natural resistance) occurs, due to resistance against **Glyphosate**.

Some populations may be resistant to products containing aryloxy phenoxy propionates, cyclohexanediones and sulfonylureas, but may also have resistance against **Glyphosate**-containing products such as **ELIMIN800**.

As these resistant populations may vary in size and localities are difficult to ascertain, it is essential that the lands be inspected annually in order to identify possible resistance early.

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 **ELIMIN800** not controlling resistant weeds. Do not apply **ELIMIN800** alone in situations where weed resistance has been confirmed. Sub-standard application of **ELIMIN800** or other group code 9 herbicides will lead to inferior weed control and may assist in the development of herbicide resistance. It is of the utmost importance to inspect treated areas at regular intervals in order to identify the occurrence of herbicide-resistant weeds timeously.

MODE OF ACTION

Glyphosate is a non-selective systemic herbicide, absorbed by the foliage, with rapid translocation throughout the plant. Inactivated on contact with soil. Inhibits 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS), an enzyme of the aromatic acid biosynthetic pathway. This prevents synthesis of essential aromatic amino acids needed for protein biosynthesis and plant growth.

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 or in any manner contrary to the directions on the label.

COMPATIBILITY

The compatibility of **ELIMIN800** with other products depends on the formulations of the respective

products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

ELIMIN800 can be tank mixed with adjuvants such as Methos (L11114). **ELIMIN800** is also compatible with high quality ammonium sulphate formulations. Do not tank mix with SC formulations. Always add a high quality ammonium sulphate to the spray mixture firstly. All **WARNINGS, PRECAUTIONS, USE RESTRICTIONS** and **DIRECTIONS FOR USE** on the product labels must be fully adhered to. Consult the relevant labels for full details. **ELIMIN800** should not be mixed with products other than those specifically listed in this label.

USE RESTRICTIONS

- The herbicidal action may only be visible after 10 - 14 days onwards for annual weeds and 7 days for perennial weeds after application (depending on the growing conditions, weed growth stages and cultural conditions).
- Apply **ELIMIN800** post-emergence to actively growing weeds, directed onto the green foliage and immature bark. Perennial weeds should be treated during peak growth in summer. A second application may be necessary. For difficult to control perennial weeds, application in autumn is recommended when the weeds are actively translocating nutrients to their roots, bulbs, rhizomes and stolons. Any re-growth should be spot sprayed.
- **ELIMIN800** must be applied to the green leaves of the target weeds.
- Do NOT spray whilst weeds are wet, dormant or under stress nor when covered in a layer of dust or damaged by frost.
- Heavy rainfall or irrigation within 4 – 6 hours following application may reduce the efficacy of **ELIMIN800** and a repeat application may be required.
- There are no rotational crop restrictions due to herbicide activity following applications of this product
- Application with low volume sprayers at high speeds (>10 km/hour) may produce dust clouds which will adversely affect the activity of the active ingredient due to adsorption onto dust particles on the weeds' leaf surfaces.
- When using **ELIMIN800** as a land preparation for transplanting or sowing of any crop with green and soft stems, allow a minimum of 14 days between application and transplanting of seedlings.
- In mixed weed situations (annual weeds amongst perennial weeds), control the annual weeds by mowing or chemical control. Wait for vigorous re-growth of the perennial weeds and then spray or spot-spray the re-growth.
- Do not apply **ELIMIN800** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **ELIMIN800** using an accurate and safe application technique.
- If **ELIMIN800** 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

Half-fill the spray tank with suitable water. Then add the required amount of **ELIMIN800** to the water in the tank while agitating. Fill the spray tank to the desired volume with clean water. When using tank mixes, the additional herbicide should be added after **ELIMIN800**. Agitate well to ensure mixing prior to and during application of the mixture. **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. Ensure that spray premixes and/or final spray mixtures are kept out of reach of children, uninformed persons, untrained personnel, unauthorised personnel and animals.

Always use clean, good quality water for mixing and application.

- **ELIMIN800** mixes readily with water.
- Always use clean water. Do not use brackish or muddy water, or water with high colloid content derived from soils high in organic matter. Where alkaline and/or hard water occurs, a buffer should be added according to the label recommendations.
- An analysis of the water source is advised in order to determine the level of sodium, calcium and magnesium cations, as well as the carbonate and bicarbonate fractions as pH is not necessarily a good indicator of whether antagonism will be experienced between the herbicide and the water carrier.
- The use of a high quality ammonium sulphate source is recommended at a rate of 2% added to the spray solution before adding **ELIMIN800**.
- Spray water pH must be in the range of 5 to 6.5. Add a buffering agent if necessary.
- Sequence of tank mixing:
 1. Add ammonium sulphate to the spray water.
 2. Add a suitable buffer if required.
 3. Add the **ELIMIN800**
 4. Add the recommended tank mixture partner product.
- Ensure constant agitation of the spray solution throughout mixing and application.
- Clean the sprayer parts immediately following use of this product by thoroughly flushing them with water.
- **ELIMIN800** can be tank mixed and applied with certain EC and SL formulations. Do a small-scale test mix to confirm compatibility before doing a large-scale application. Adhere to all label recommendations.
- **Do not** mix with any SC insecticide formulations.
- **Do not** add any surfactants.
- Do use in tank mix with any acids such as fulvic, citric, phosphoric or any other organic acids.

APPLICATION INSTRUCTIONS

GROUND APPLICATION

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. Knapsack sprayers, tractor mounted boom sprayers, hand-held spray guns or similar suitable applicators which are fitted with solid cone nozzles and can distribute the spray

mixture evenly over the target may be used. A spray volume of 30 - 600 l/ha should be used to ensure thorough coverage of target plants. **Constant agitation throughout the spray operation is essential.** Only clean water should be used. Do not, under any circumstances allow spray or drift to contact any part of desirable vegetation otherwise severe injury or destruction may result. Where spray drift is a problem, use low drift nozzles and/or keep pressure below 2 bar.

AERIAL APPLICATION

Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water. Please refer to the SANS Code of Practice for the aerial application of agricultural chemicals.

ELIMIN800 may be applied aurally, provided that the spray mixture is distributed evenly over the target area and the loss of spray material during application is restricted to a minimum.

Aerial application of **ELIMIN800** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Remedies). 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 to 50 litres 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 aurally at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 300 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 use of a registered drift retardant and/or low drift aerial spraying nozzle is recommended.
- 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 the above requirements will be met, and that relevant data will be compiled in a logbook and kept for future reference.

GENERAL INFORMATION

- Use recommended rates for specific weed problems.
- Ensure adequate coverage of all weeds.

- Do not spray old, heavy Kikuyu or *Cynodon* growth with a reduced green leaf area. Burn at the end of winter to reduce dry mass and allow to re-grow in summer and spray re-growth in late summer for autumn establishment of new pasture.

NB: ALL “GENERAL INFORMATION NOTES” above apply to all listed weeds.

APPLICATION RATES

WEED CONTROL IN VARIOUS ORCHARDS, VINES AND ARABLE LAND

TABLE 1: WEED CONTROL IN VARIOUS ORCHARDS, VINES AND ARABLE LAND

CROP	DOSAGE RATE	REMARKS
Arable land	See “ TABLE 4: WEED TABLE ” for dosage rates of ELIMIN800	Use ELIMIN800 after harvesting of the previous crop. Do not disturb the target plants within 6 hours of application (before planting of crops) and prior to emergence of new crop.
Citrus Pome fruit (Apples, Pears, Quinces) Stonefruit (Almonds, Apricots, Cherries, Litchis, Mangoes, Nectarines, Olives, Peaches, Plums, Prunes)		Protect young trees with green bark from direct spray.
Vines		Apply before budburst to vines older than 2 years. Younger vines with green bark should be shielded. Spray should be directed onto the weeds. Do not apply onto pruned vines or fruit trees until wounds have sealed properly. CROP COVER DESTRUCTION IN GRAPEVINES: Apply ELIMIN800 at 0.68 – 1.35 kg/ha. Apply 10 days or more after pruning and before budburst. For problem <i>Erodium moschatum</i> (Musk heron’s bill) (low growing type) control spray 1.0 kg/ha ELIMIN800 prior to budburst. Regrowth must be sprayed 4 – 6 weeks later with product/s with a different mode of action. Refer to the selected product labels for rates and details. Applications can be made to nursery and mature plants provided the necessary precautions are taken to avoid injury.

FORESTRY AND INDUSTRIAL WEED CONTROL

TABLE 2: WEED CONTROL IN AND AROUND FORESTRY

SITUATION	SPECIES	DOSAGE RATE		REMARKS
		kg/ha	kg/100 ℓ water	
Weed control in established forests	American Bramble (<i>Rubus</i> spp.)	2.7	1.35	Cut and remove lush growth in the winter. Apply when the new re-growth is more than 0.5 m high. If re-growth occurs, spray with a 1.5% solution.
	Black wattle (<i>Acacia mearnsii</i>)	1.35 – 2.7	0.68	Foliar application Apply to young trees from 0.1 to 1.5 m high. Apply the lower dosage rate on trees up to 1.0 m in height.
	Bugweed (<i>Solanum mauritianum</i>)	0.9	0.68	Large trees: Cut to 50 cm, allow new growth of at least 50 cm before application.
			0.23	Saplings: Apply directly to the foliage.
Firebreaks: Firebreaks preparation, either tracer belts or total area. Band preparation for tree seedlings. Situations suitable for such treatments include: 1. Virgin veld 2. Clear felled forests	Annual and Perennial weeds For some of the weeds controlled refer to the list under “Industrial Weed Control”	1.8	0.9	A minimum of 200 ℓ spray mixture per hectare must be applied when using the 0.9 % solution. A follow-up treatment may be necessary to control some hardy perennials using a 0.9 % solution on a spot spray basis.
Saligna gum (<i>Eucalyptus grandis</i>)	Single stem stumps	2.25 % solution		Apply a 50 mℓ solution to a clean cambium area immediately after felling.
	Multi-stem stumps	3.15 % solution		Apply a 100 mℓ solution to a clean, fully exposed cambium layer immediately after felling. If re-growth occurs, spray with a 0.9% solution.
Notes on <i>Eucalyptus grandis</i> stump eradication				
• Cut the stump as close as possible to the soil surface • Remove any sawdust from the cut stump prior to application of ELIMIN800. • Use a low-pressure knapsack or hand sprayer with a hollow cone nozzle. Apply as soon after felling as possible after removal of sawdust on cut surface. Stumps which coppice after treatment should be under cut or ringbarked to expose the entire cambium region, which must then be treated. • A fuzzy coppice re-growth may occur which normally dies back. If not, remove it by hand or apply a 0.9% solution, avoiding drift onto newly planted seedlings.				

- Species other than *Eucalyptus grandis* or clones thereof, may show a variable response to **ELIMIN800** and may require retreatment.

TABLE 3: UNWANTED TREES AND WOODY PERENNIALS - ALIEN INVADERS AND NOXIOUS WEEDS

SPECIES CONTROLLED	DOSAGE RATE		REMARKS
	kg/ha	kg/100 ℓ water	
American Bramble (<i>Rubus</i> spp.)	2.7	1.35	Cut and remove lush growth in the winter. Apply when the new re-growth is more than 0.5 m high. If re-growth occurs, spray with a 0.68% solution.
Black wattle (<i>Acacia mearnsii</i>)	1.35	0.68	Foliar application Apply to young trees up to 1.0 m high.
Bugweed (<i>Solanum mauritianum</i>)	0.9	0.68	Apply in spring or summer. Large trees: Cut to 50 cm, allow new growth of at least 50 cm before application.
		0.23	Saplings: Apply directly to the foliage.
Lantana camara (<i>Lantana camara</i>)	2.7	1.35	Apply to actively growing plants in summer or autumn.
Triffid weed (<i>Chromolaena odorata</i>)	3.6	0.45	Slash established plants and allow to re-growth to between 50 and 120 cm. Spray 0.45% solution ensuring complete coverage. Previously slashed multi-stem plants may require a follow-up treatment.

TABLE 4: WEED TABLE

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WEED SPECIES	DOSAGE RATE		REMARKS
	kg/ha	kg/100ℓ water	
<u>Perennial grasses</u>			
Common buffalo grass (<i>Panicum maximum</i>)	2.7	1.35	Apply in summer to actively growing plants in the early growth stage. If re-growth occurs, spray with 0.68 % solution or 1.35 kg/ha.
Common couch grass (<i>Cynodon dactylon</i>)	2.7	1.35	Summer rainfall region: Apply to active growth in summer or autumn before frost. If re-growth occurs, spot spray with 0.9 % solution.
	4.05		Winter rainfall region: As above in autumn.
Common Paspalum (<i>Paspalum dilatatum</i>)	2.7	1.35	Apply in summer at flower but before seed drop. If re- growth occurs, spray with 0.68 % solution or 1.35 kg/ha.

Kikuyu (<i>Pennisetum clandestinum</i>)	1.8	0.68	Apply in summer to actively growing plants. If re-growth occurs, spray with 0.68 % solution or 1.35 kg/ha.
Weeping love grass (<i>Eragrostis curvula</i>)	0.9	0.68	Apply to active growth in summer or autumn.
<u>Nutsedges</u>			
Yellow nutsedge (<i>Cyperus esculentus</i>)	2.7	1.35	Apply at flowering, spray re-growth with 1.35 kg/ha or spot spray using 0.68% solution.
<u>Perennial and Aquatic weeds</u>			
Field bindweed (<i>Convolvulus arvensis</i>)	2.7	1.35	Apply when flowering commences. Follow up with 0.68% solution on re-growth.
Plantain (<i>Plantago lanceolata</i>)	1.35	0.68	Apply before flowering.
Water hyacinth (<i>Eichhornia crassipes</i>)	2.7	1.35	Apply when maximum exposure of new leaves are visible.

MINIMUM TILLAGE

TABLE 5: MINIMUM TILLAGE, PRE-PLANT SITUATIONS

SITUATION	DOSAGE RATE kg/ha	REMARKS
ELIMIN800 can be applied to most pre-plant situations following harvest of previous crop.	0.45 – 1.35	Annual weeds only. Use the higher rate on weeds exceeding the 12 leaf stage or established plants. For <i>Conyza spp.</i> use 0.9 – 1.35 kg/ha.

NON-CROP AND INDUSTRIAL USE

TABLE 6: WEED CONTROL IN NON-CROP AND INDUSTRIAL AREAS

SITUATION	DOSAGE RATE kg/ha	REMARKS
All non-crop areas	0.45 – 1.35	Annual weeds only.
	0.9 – 4.5	Will control most annual and perennial weeds. Spot spraying of regrowth with a 0.68% solution may be necessary.

ACKNOWLEDGEMENT OF TRADEMARK

Methos (L11114)

Agritech Bioscience (Pty) Ltd t/a Carabiner