

URAGAN[®] 800 WG




Reg. no. L9254 Act/Wet 36 of/van 1947

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

GROUP	C1	HERBICIDE
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A water dispersible granular herbicide for long lasting control of perennial and annual weeds in industrial areas, sisal, and pineapples.	'n Water disperseerbare korrel onkruiddoder met 'n lang nawerking vir die beheer van onkruid in industriële gebiede, sisal en pynappels.
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 <p>WARNING</p>	<p>Hazard statements Harmful if swallowed. Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements Wash face, hands and any exposed skin thoroughly after handling. Avoid release to the environment.</p>
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ACTIVE INGREDIENT/AKTIEWE BESTANDEEL

Bromacil (substituted uracil)..... 800 g/kgBromasil (gesubstitueerde urasil)

NET MASS/NETTO MASSA

..... kg

REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty) Ltd; Reg. no. 1992/001741/07
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UN no.: 3077

In case of poisoning, call the following numbers:
Griffon Poison Information Centre: +27 82 446 8946 or
Tygerberg Poison Information Centre: +27 861 555 777

Emergency number:

SPILL TECH: +27 86 100 6366 or +27 83 253 6618

Batch number
Date of Manufacture
Expiry date

Lotnommer
Datum van Vervaardiging
Vervaldatum

WARNINGS

- Harmful if swallowed.
 - Very toxic to aquatic life with long lasting effects.
- Handle with care.
 - Store in original container in a cool, dry, well-ventilated place away from direct sunlight.
 - Store away food, feedstuffs, seed, and fertilisers.
 - Do not spray near desirable plants or where their roots may occur.
 - **Re-entry:** Do not enter treated area until spray deposits has dried unless wearing protective clothing.

Although this remedy has been extensively tested under a variety of conditions the registration holder does not warrant that it will be effective under all conditions. The activity and efficacy of the product may be affected by factors such as abnormal 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, and the environment or harm to man or animal, or for lack of performance of the remedy concerned due to the failure of 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.
 - Wash face, hands and any exposed skin thoroughly after handling.
 - Do not eat, drink or smoke when using this product.
 - Avoid release to the environment.
 - IF SWALLOWED: Get medical help. Rinse mouth.
 - Collect spillage.
 - Dispose of contents/ container to an approved waste disposal plant.
- Avoid inhaling spray mist.
 - Avoid contact with skin and eyes.
 - Wear protective clothing such as face shield, rubber boots and gloves when handling product.
 - Remove contaminated clothing and wash daily.
 - Wash immediately with soap and cold water after accidental skin contact. .
 - Do not apply in the vicinity or within 50 metres of useful plants such as flowers, windbreaks and landscaping shrubs as these might absorb the herbicide.

- Avoid drifting of the spray mixture to other crops, grazing areas, rivers or dams or any other area that is not under treatment. Avoid spraying within 10 metres of permanent water bodies or where run-off from sprayed areas will pollute water.
- Avoid contamination of groundwater. Do not load, mix or clean application equipment within 20 metres of water bodies. Use anti-siphoning device or air break between spray tank and water hose to stop back-siphoning which contaminates groundwater.
- Drain the spray equipment after use, and thoroughly rinse sprayer, boom and nozzles using clean water. Dismantle the spray equipment and properly clean and flush out all chemical deposits from nozzles, strainers and screens.
- Dispose of wash water where it will not contaminate crops, grazing areas, rivers, and dams.
- Destroy the empty container by perforating the container and DO NOT re-use for any other purpose.
- Prevent contamination of food, feedstuffs, eating utensils, and drinking water.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Bromacil	30–60%	314-40-9
Reaction product of naphthalene, propan-2-ol, sulfonated and neutralized by caustic soda	30–60%	EC no:939-368-0
Kaolin	<10%	1332-58-7
Disodium maleate	<10%	371-47-1

FIRST AID

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection.

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: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. 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. Get medical attention immediately if symptoms occur.

TOXICOLOGICAL INFORMATION

Antidotes

No specific antidote. Treat symptomatically.

Symptoms of human poisoning

None known.

RESISTANCE WARNING

URAGAN® 800 WG is classified as a group code C1 herbicide. Any weed population may contain individuals which are naturally resistant to **URAGAN® 800 WG** and other group code C1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used continuously and exclusively. These resistant weeds may not be controlled by **URAGAN® 800 WG** or any group code C1 herbicide.

To delay 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 and a different mode of action.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes

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

Should **URAGAN® 800 WG** 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 **URAGAN® 800 WG** in places where weed resistance has been ascertained.

MODE OF ACTION

C1: Inhibition of photosynthesis at PSII – serine 264 binders.

USE RESTRICTIONS

- **Avoid planting susceptible crops within 5 years of an URAGAN® 800 WG application since URAGAN® 800 WG has long residual action.**
- Do not apply in the vicinity or within 50 m of useful plants (such as windbreaks, ornamentals or shrubs next to roads) or areas where their roots may occur, since these plants may be killed or severely damaged. This includes areas from where the product may be washed or moved to come into contact with the roots of the plants.

DIRECTIONS FOR USE

Use only as directed.

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.

General

Apply **URAGAN® 800 WG** to young actively growing weeds. Remove fully grown weeds before applying **URAGAN® 800 WG**. Conditions such as soil type, rainfall and dosage rate, among others, will determine the efficacy levels as well as the control duration of **URAGAN® 800 WG**. Strictly adhere to the recommendations on the label as over-application may result in stunting and injury to the crop. Irrigation or rain is required within 2 weeks after application in order to leach the herbicide to the root zone of the weeds. On weeds already present, several weeks are required for the full effects of **URAGAN® 800 WG** to become noticeable.

Compatibility

The compatibility of **URAGAN® 800 WG** with other products may be influenced by the formulation of the product(s) it is mixed with as well as the quality of the dilution water. Since the formulation of other products may change without the knowledge of ADAMA South Africa (Pty.) Ltd. and the quality of the water may differ from farm to farm, a physical compatibility test should always be carried out prior to application.

Mixing instructions

Half fill the spray tank with clean water. Add the required quantity of **URAGAN® 800 WG** to a small amount of water and mix thoroughly before it is added to the spray tank while agitating. If **URAGAN® 800 WG** is tank mixed with other products, first mix these products separately with water before it is added to the spray tank. Fill the spray tank with water to the required level while continuously agitating. Do not allow the tank mixture to settle or to stand overnight. Refer to the labels of the products which will be tank mixed with **URAGAN® 800 WG** and adhere to the label instructions.

Application

URAGAN® 800 WG may be applied by any high volume applicator provided it is fitted with an effective agitation system, it is able to distribute the spray mixture evenly over the target area and it is correctly calibrated. Best results are usually obtained by using flat fan nozzles and a spray volume of 500–1000 L water/ha. It is extremely important to ensure uniform coverage of the soil. Irrigation or rain is required within 2 weeks after application in order to leach the herbicide into the root zone of the weeds.

APPLICATION RATES

When applying URAGAN® 800 WG at the application rates given in tables 1 to 3 below, take into account the following field situations:

Highly sensitive areas

Avoid applying more than 2.5 kg/ha **URAGAN® 800 WG** per year on areas with more than 50% sand, less than 0.5% organic matter, water table less than 2 m below the surface, and more than 1,000 mm annual rainfall.

Moderately sensitive areas

Avoid using more than 7.5 kg/ha **URAGAN® 800 WG** per year on areas where a minimum of 2 field situations as described above, does not occur.

Low sensitivity areas

Avoid using more than 12.5 kg/ha **URAGAN® 800 WG** per year on areas where over 3 field situations as described above, does not occur.

TABLE 1: INDUSTRIAL AREAS, ROAD VERGES AND RAILWAYS

SOIL CLAY %	DOSAGE (kg/ha)	SPOT SPRAYS (g/50 m ²)	REMARKS
0–20	8–10	50	Apply URAGAN® 800 WG pre-emergence of broadleaf and grass weeds. In cases where the weeds have already emerged, use the higher dosage rate of URAGAN® 800 WG . Avoid applying more than 12.5 kg/ha of URAGAN® 800 WG per year.
21–35	10–12	60	
> 35	12.5	70	

TABLE 2: PINEAPPLE CROPS (established plants or following planting)

SOIL CLAY %	DOSAGE (kg/ha)	SPOT SPRAYS (g/50 m ²)	REMARKS
0–10	1.5	8	Apply a full cover spray of URAGAN® 800 WG to cultivated soil free of any ground cover. NOTE: At these application rates URAGAN® 800 WG will not control perennial grasses and broadleaf weeds.
11–15	2	10	
16–20	2.5	12	
21–35	3	15	

TABLE 3: SISAL CROPS (only on established plants)

SOIL CLAY %	DOSAGE (kg/ha)	SPOT SPRAYS (g/50 m ²)	REMARKS
0–10	3	15	Apply URAGAN® 800 WG to cultivated soil free of any ground cover or to young weeds in active growth stage. Decrease the dosage rate of URAGAN® 800 WG accordingly where only rows are sprayed.
11–15	4	20	
16–20	5	25	
21–35	6	30	
36–55	8	40	

WEEDS CONTROLLED

URAGAN® 800 WG should normally control the following weeds. Additional weeds not listed may also be controlled but the registration holder does not accept responsibility for weeds not listed on the label.

Botanical name	Common name
<i>Acanthospermum hispidum</i>	upright starbur
<i>Amaranthus hybridus</i>	common pigweed
<i>Aristida congesta</i>	tassel three-awn
<i>Bidens pilosa</i>	blackjack
<i>Brachiaria eruciformis</i>	sweet signal grass
<i>Chloris pycnothrix</i>	spiderweb Chloris
<i>Cyperus esculentus</i>	yellow nutsedge
<i>Cyperus rotundus</i>	purple nutsedge
<i>Cynodon dactylon</i>	common quick grass
<i>Datura stramonium</i>	thorn apple
<i>Digitaria sanguinalis</i>	crab finger grass
<i>Eleusine coracana</i>	African goose grass
<i>Eragrostis virescens</i>	Eragrostis
<i>Heteropogon contortus</i>	spear grass
<i>Hyparrhenia hirta</i>	common thatching grass
<i>Hypochoeris radicata</i>	hairy wild lettuce
<i>Panicum schinzii</i>	sweet buffalo grass
<i>Pennisetum clandestinum</i>	kikuyu
<i>Setaria verticillata</i>	sticky bristle grass
<i>Tagetes minuta</i>	tall khaki weed
<i>Taraxacum officinale</i>	common dandelion
<i>Tragus racemosus</i>	stalked bristle grass