



URAGAN[®] 800 WG

Reg. No./Nr. L9254 Act No./Wet Nr. 36 of/van 1947

A water dispersible granular herbicide for long lasting control of perennial and annual weeds in industrial areas, sisal, and pineapples.	'n Water dispergeerbare korrel onkruidodder met 'n lang nawerking vir die beheer van onkruid in industriële gebiede, sisal en pynappels.
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HRAC HERBICIDE GROUP CODE	C1	HRAC ONKRUIDDODER GROEPKODE
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Bromacil (substituted uracil) 800 g/kg Bromasil (gesubstitueerde urasil)

NET MASS / NETTO MASSA

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REGISTRATION HOLDER/REGISTRASIEHOUER

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Batch number Lotnommer
 Date of manufacture Datum van vervaardiging

UN No. 3077



Class III

Blue Band

URAGAN[®] 800 WG is the registered trademark of Adama, Israel
 URAGAN[®] 800 WG is die geregistreerde handelsmerk van Adama, Israel

WARNINGS

- Handle with care.
- Harmful when swallowed.
- Mildly irritating to eyes and skin
- Store in original container in a cool, dry, well ventilated place away from direct sunlight.
- Store away food, feedstuffs, seed, and fertilisers.
- Keep out of reach of children, uninformed persons and animals.
- 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, 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

- Avoid inhaling spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing such as face shield, rubber boots and gloves when handling undiluted product.
- Remove contaminated clothing and wash daily.
- Wash immediately with soap and cold water after accidental skin contact. .
- Do not eat, drink or smoke during mixing and application or before hands and face have been washed.
- 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 perforation and burning the container and DO NOT re-use for any other purpose.
- Prevent contamination of food, feedstuffs, eating utensils, and drinking water.

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, Makhteshim-Agan 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.

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 metres 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.

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 Makhteshim-Agan 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 500-1 000 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 1-3 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.

1. Industrial areas, road verges and rail tracks

Soil type (% clay)	Dosage rate (kg/ha)	Spot sprays (g per 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	

2. Pineapples crop (established plants or following planting)

Soil type (% clay)	Dosage rate (kg/ha)	Spot sprays (g per 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. <u>Note:</u> 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	

3. Sisal crop (only on established plants)

Soil type (% clay)	Dosage rate (kg/ha)	Spot sprays (g per 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

WAARSKUWINGS

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Matig irriterend vir oë en vel.
- Berg in oorspronklike houer in 'n koel, droë en goed geventileerde plek weg van direkte sonlig.
- Stoor weg van voedsel, voer, saad en misstowwe.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie naby gewenste plante of waar hulle wortels mag voorkom, toedien nie.
- **Herbetreding:** Moet nie behandelde gebied binnegaan voordat die spuitneerslag droog is nie, tensy beskermende klere gedra word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om etiketaanwysings na te kom, of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

- Vermy inaseming van die spuitnewel.
- Vermy kontak met die vel en oë.
- Dra 'n gesigskerm, rubberskoene en rubberhandskoene wanneer die onverdunde produk hanteer word.
- Trek besoedelde klere uit en was daaglik.
- Was onmiddellik met seep en koue water indien per ongeluk in kontak met die vel kom.
- Moet nie eet, drink of rook gedurende vermenging of toediening of voordat hande en gesig gewas is nie.
- Moet nie in die omgewing of nader as 50 meter van nuttige plante soos blomme, windbreke en sierplante toedien nie aangesien hierdie plante die onkruidodder mag opneem.
- Vermy dat die spuitnewel oor ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie, wegdryf. Moet nie toedien waar die afloop van behandelde gebiede water sal besoedel of binne 10 meter van permanente water nie.
- Vermy besoedeling van grondwater. Moet nie meng, spuittoerusting vul of skoonmaak nader as 20 meter van enige water massa, put of fontein nie. Sorg dat geen terugvloei na boorgate en damme kan plaasvind nie wanneer die spuittenk gevul word deur gebruik te maak van 'n anti-hewel toestel.
- Dreineer die spuittoerusting na gebruik en spoel die spuit, balk en spuitpunte deeglik uit met skoon water. Verwyder spuitpunte, siwwe en skerms en maak dit deeglik skoon van alle chemiese neerslae.
- Gooi die spoelwater weg waar dit nie gewasse, riviere of damme sal besoedel nie.
- Vernietig die leë houer deur gate daarin te maak en dit te verbrand en moet dit NOOIT vir enige ander doel gebruik nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.

WEERSTANDSWAARSKUWING

URAGAN® 800 WG is 'n groepkode C1 onkruidodder. Enige populasie van 'n spesifieke onkruid kan individue insluit wat 'n natuurlike weerstand teen **URAGAN® 800 WG** of enige ander groepkode C1 onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **URAGAN® 800 WG** of enige ander groepkode C1 onkruidodder beheer word nie. Om weerstand teen onkruidodders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met of gebruik tenkmengsels van produkte in verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing en biologies) in onkruidbeheerprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

Indien **URAGAN® 800 WG** weerstandbiedende onkruid nie beheer nie, sal Makhteshim-Agan nie verantwoordelikheid vir sulke verliese aanvaar nie, aangesien die opspoor van weerstandbiedende onkruid voor toediening baie moeilik is. Vermy die gebruik van **URAGAN® 800 WG** in gebiede waar onkruidweerstandbiedendheid reeds bevestig is.

GEBRUIKSBEPERKINGS

- **Moet nie gevoelige gewasse binne 5 jaar na 'n URAGAN® 800 WG toediening plant nie aangesien URAGAN® 800 WG 'n lang nawerking het.**
- Moet nie nader as 50 meter van gewenste plante of bome (soos windbreke, sierplante of struik langs paaie) of gebiede waar hulle wortels mag voorkom, toedien nie, aangesien sulke plante gedood kan word of ernstig beskadig word. Dit sluit ook gebiede in vanwaar die produk gewas of beweeg kan word om in kontak met die plante se wortels te kan kom.

GEBRUIKSAANWYSINGS: gebruik alleenlik soos aangedui

Algemeen

Dien **URAGAN® 800 WG** toe aan jong aktief groeiende onkruid. Volgroeide onkruid moet voor die toediening van **URAGAN® 800 WG** verwyder word. Toestande soos o.a.grondtipe, reënval en dosis toegedien sal die graad asook die tydperk van beheer, bepaal. Hou streng by die aanvelings op die etiket aangesien oordosering verdwering en gewasskade kan veroorsaak. Reën of besproeiing binne twee weke na toediening is nodig om die onkruidodder in die wortelgebied in te was. Die effek van **URAGAN® 800 WG** op bestaande onkruid verskyn stadig en die maksimum effek is eers na 'n paar weke sigbaar.

Mengbaarheid

Die mengbaarheid van **URAGAN® 800 WG** met ander produkte kan beïnvloed word deur die formulering van die betrokke produkte asook deur die kwaliteit van die water. Aangesien die formulering van ander produkte kan verander sonder die medewete van die registrasiehouer en die waterkwaliteit van plaas tot plaas kan verskil, word aanbeveel dat 'n mengbaarheidstoets eers uitgevoer word voor toediening.

Menginstruksies

Maak die spuitnek halfvol met water. Voeg die benodigde hoeveelheid **URAGAN® 800 WG** by 'n

klein hoeveelheid water, meng deeglik en voeg in tenk terwyl geroer word. Indien **URAGAN® 800 WG** in tenkmengsels met ander produkte gebruik gaan word, moet hierdie produkte eers afsonderlik met water gemeng word voordat dit by die spuittenk gevoeg word. Vul die tenk tot die verlangde vlak terwyl geroer word. Moet nie toelaat dat die tenkmengsel uitsak of dit oornag laat staan nie. Verwys na die etikette van die produkte wat in tenkmengsels met **URAGAN® 800 WG** gebruik gaan word en kom alle aanwysings na.

Toediening

URAGAN® 800 WG kan met enige geskikte hoë volume toediener toegedien word mits dit met 'n doeltreffende roersistiem toegerus is, dit die spuitstof eweredig oor die teikengebied kan versprei en dit korrek gekalibreer is. Beste resultate word verkry deur die gebruik van platwaaierspuitpunte en 'n spuitvolume van 500-1 000 l water/ha. Dit is baie belangrik dat die eweredige bedekking van die grond verkry word. Reën of besproeiing word binne twee weke na toediening word benodig om die onkruidodder in die wortelgebied van die onkruid in te was.

TOEDIENINGSHOEVEELHEDE

Wanneer URAGAN® 800 WG toegedien word op persele teen die hoeveelhede soos aangedui in tabelle 1-3 hieronder, moet die volgende omstandighede in aanmerking geneem word:

Hoogs sensitiewe gebiede

Op persele met minder as 0.5 % organiese materiaal, meer as 50 % sand, 'n watertafel minder as 2 m onder die oppervlakte en 'n jaarlikse reënval van meer as 1 000 mm moet nie meer as 2,5 kg **URAGAN® 800 WG** per hektaar per jaar gebruik word nie.

Gemiddelde sensitiewe gebiede

Indien twee van bogemelde eienskappe nie op 'n perseel voorkom nie, moet nie meer as 7,5 kg **URAGAN® 800 WG** per hektaar per jaar gebruik word nie.

Lae sensitiewe gebiede

Indien drie van bogemelde eienskappe nie op 'n perseel voorkom nie, moet nie meer as 12.5 kg **URAGAN® 800 WG** per hektaar per jaar gebruik word nie.

1. Industriële gebiede, padskouers en spoorlyne

Grondtipe (% klei)	Dosis (kg/ha)	Kolbehandeling (g per 50 m²)	Opmerkings
0-20	8-10	50	Dien URAGAN® 800 WG vooropkom van grasse en breëblaaronkruid toe. In gevalle waar onkruid reeds verskyn het, moet die hoër dosis van URAGAN® 800 WG gebruik word. Moet nie meer as 12.5 kg/ha URAGAN® 800 WG per jaar toedien nie.
21-35	10-12	60	
> 35	12.5	70	

2. Pynappels (gevestigde plants of net na plant)

Grondtipe (% klei)	Dosis (kg/ha)	Kolbehandeling (g per 50 m ²)	Opmerkings
0–10	1.5	8	Dien URAGAN[®] 800 WG as 'n volle dekhoediening toe aan bewerkte grond vry van enige grondbedekking. <u>Nota:</u> Teen hierdie dosisse sal URAGAN[®] 800 WG nie meerjarige grasse en breëblaaronkruid beheer nie.
11–15	2	10	
16–20	2.5	12	
21–35	3	15	

3. Sisal (alleenlik op gevestigde plante)

Grondtipe (% klei)	Dosis (kg/ha)	Kolbehandeling (g per 50 m ²)	Opmerkings
0–10	3	15	Dien URAGAN[®] 800 WG toe aan bewerkte grond vry van enige grondbedekking of jong onkruid in die aktiewe groeistadium. Die URAGAN[®] 800 WG dosis moet ooreenkomstig verminder word indien alleenlik rye gespuit gaan word.
11–15	4	20	
16–20	5	25	
21–35	6	30	
36–55	8	40	

ONKRUIDE BEHEER

URAGAN® 800 WG sal gewoonlik die volgende onkruide beheer. Ander onkruide wat nie tydens die ontwikkelingsproewe voorgekom het nie, kan ook moontlik beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruide nie.

Botaniese naam	Gewone naam
<i>Acanthospermum hispidum</i>	Regopsterklits
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Aristida congesta</i>	Aapstertsteekgras
<i>Bidens pilosa</i>	Gewone knapsekêrel
<i>Brachiaria eruciformis</i>	Litjiessinjaalgras
<i>Chloris pycnothrix</i>	Spinnerakchloris
<i>Cyperus esculentus</i>	Geeluintjie
<i>Cyperus rotundus</i>	Rooiuintjie
<i>Cynodon dactylon</i>	Gewone kweekgras
<i>Datura stramonium</i>	Gewone stinkblaar
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine coracana</i>	Jongosgras
<i>Eragrostis virescens</i>	Chileense Eragrostis
<i>Heteropogon contortus</i>	Assegaaigras
<i>Hyparrhenia hirta</i>	Dektamboekiegras
<i>Hypochoeris radicata</i>	Harige skaapslai
<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Pennisetum clandestinum</i>	Kikoejoe
<i>Setaria verticillata</i>	Klitssetaria
<i>Tagetes minuta</i>	Kakiebos
<i>Taraxacum officinale</i>	Perdeblom
<i>Tragus racemosus</i>	Grootwortelsaadgras