



We create chemistry

# Basagran®

Reg. No.: 92-C-84-3

Net Content:

## 5 Litres



**POISON**  
**AVOID BREATHING VAPOR**

GROUP	C3	HERBICIDE
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**Composition: mass/volume:**

Bentazone 480 g/L

**A water soluble solution contact herbicide for the post-emergence control of certain broadleaf weeds and yellow nutsedge in beans, groundnuts, soyabeans, peas, maize, sorghum, small grain, sugarcane and other crops**

**Registered by:**

Pivotal Agro-Services (PTY) Limited

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**Manufactured and packed by:**

BASF SE

Germany

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**TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS  
SUBSTANCE IS AN OFFENCE**

**READ THE LABEL BEFORE USING THE PRODUCT**

**WARRANTY:** 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 climatic and storage conditions, quality of dilution water, compatibility within other substances not indicated on the label and the occurrence of resistance of the disease, weed or pest, 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 failure of the user to follow the label instructions or the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**WARNINGS:**

- Poisonous when swallowed.
- May cause skin- or eye irritation.
- Store in original container in a cool dry place away from food, feed and seed.
- Keep out of reach of children, uninformed persons and animals.
- Prevent spray drift onto other susceptible crops,
- Crop injury may occur if land treated with a mixture of Basagran® and Atrazine is planted to any crop other than maize in the same season. Read the Atrazine label for use restrictions.
- Basagran® should preferably not be applied to leguminous crops that were planted with an organophosphate insecticide, as a combination of these products may cause damage to the crop. Consult the supplier for advice.
- Under no conditions should a surfactant/sticker be added to Basagran® for application in soybeans, peas, beans or sorghum.

**PRECAUTIONS:**

- Handle with care avoid splashing and contact with skin
- Wear suitable protective clothing
- Do not inhale fumes or spray mist.
- Wash after accidental skin contact.
- Do not eat, drink or smoke while using and before washing hands and face or change of clothing.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Do not contaminate grazing, rivers and dams or other sources of water supply.

- Wash out applicator thoroughly with clean water before using with other remedies.
- Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the content of the spray tank before disposing of the container in the prescribed manner.
- Destroy empty container by perforation and flattening and NEVER use for any other purpose.

#### USE RESTRICTIONS:

- Do not use Basagran® if danger of frost is imminent and / or if the crop is under cold stress.
- Grasses and Red nutsedge (*Cyperus rotundus*) are not controlled with Basagran®.

#### FIRST AID MEASURES

**General advice:** Avoid contact with the skin, eyes and clothing.

Take off immediately all contaminated clothing.

Show container, label and/or safety data sheet to physician.

**If Inhaled:** Keep patient calm, remove to fresh air and seek medical attention.

**On Skin contact:** Wash thoroughly with soap and water.

**On contact with eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On Ingestion:** Rinse mouth and then drink plenty of water.

Do not induce vomiting, unless told so by a poison control centre or doctor.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

**Note to physician:** Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Symptomatic treatment (decontamination, vital functions).

#### DIRECTIONS FOR USE: USE ONLY AS DIRECTED

#### COMPATIBILITY:

Basagran® is compatible with Atrazine. It is however always recommended that the compatibility of Basagran® with other herbicides, insecticides and adjuvants, have to be tested on a small scale, before used in spray mixtures.

#### APPLICATION:

- Apply Basagran® early post-emergence when weeds are young (2-4 leaf stage) and growing actively.
- Basagran® is a contact herbicide, therefore thorough wetting of the weeds is essential. Basagran has no residual action on the soil and will not control weeds, which have not germinated at the time of spraying, therefore late germinating weeds require re-spraying.

- Rainfall or overhead irrigation within 8 hours after application may nullify the effect of Basagran®.
- Apply Basagran® in a minimum of 300 l water per hectare using hollow cone or flat fan nozzles with a minimum spray pressure of 350 kPa.
- Warm and humid weather conditions are necessary for good weed control. Drought conditions before, during and after application will result in poor weed control.

**NOTE 1:**

**Yellow nutsedge control**

Control of Yellow nutsedge (*Cyperus esculentus*) can only be achieved if favourable conditions prevail before and during the time of spraying, i.e. warm, humid weather (relative humidity not under 65%) and adequate soil moisture for optimum plant growth. The majority of Yellow nutsedge plants should be beyond the 4-leaf stage at the time of spraying. A minimum rate of 3 l of Basagran®/ha should be sprayed in not less than 300 l water. On dense stands of nutsedge in maize, grain sorghum, and groundnuts (not soyabeans and peas), the rate of Basagran® must be increased to 4 l/ha and in extreme cases to 5 l/ha and 500 l/ha water must be used. Under these conditions, the use of hollow cone nozzles and a spray pressure of 500 kPa is recommended and the addition of a surfactant/sticker is advisable.

The duration of control obtained is dependent on the state of germination of Yellow nutsedge and on the conditions prevailing before, during and after the spray operation, as described above.

A second application of Basagran® will be necessary if regrowth (second flush) of Yellow nutsedge occurs.

**Spot treatments** can be carried out with a mixture of 1 l Basagran® in 100 l water (1 %) if conditions are favourable, as described above. Ensure thorough wetting of plants, but do not exceed the dosage rate per area, as recommended in the **APPLICATION TABLES**.

Under less favourable conditions Yellow nutsedge will only be suppressed and re-growth might occur. In this case a second application of Basagran® at 7–10 days after the first application may be necessary. Under these conditions the addition of a surfactant/sticker is advisable.

Under adverse conditions, e.g. drought, cold weather, dry windy conditions and low air humidity, Basagran® will not control Yellow nutsedge.

**NOTE 2:**

If growing conditions are extremely favourable, the following weeds can be effectively controlled with Basagran® at 2 l/ha if they have not reached the 4-leaf stage:

<b>WEED</b>	<b>Common Name</b>
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Bidens pilosa</i>	Common blackjack
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Common thorn apple
<i>Nicandra physalodes</i>	Apple of Peru
<i>Xanthium strumarium</i>	Cocklebur

**NOTE 3**

The degree of control of the following weeds can vary considerably, according to local conditions:

<b>WEED</b>	<b>COMMON NAME</b>
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Richardia brasiliensis</i>	Mexican richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tribulus terrestris</i>	Common dubbeltjie

Improved control of the weeds mentioned here above in maize and grain sorghum can be obtained by adding Atrazine to the Basagran® spray mixture according to the recommendations in the APPLICATION TABLE for Basagran® + Atrazine.

**APPLICATION TABLE FOR BASAGRAN® ONLY:**

<b>CROP</b>	<b>WEED TYPE</b>	<b>DOSAGE</b>	<b>REMARKS</b>
<b>BEANS</b> (Dry beans, *green beans)	<b>See WARNINGS</b> Broadleaf weeds	2–3 L/ha	Use 2 l/ha before beans have reached the second trifoliolate leaf stage, thereafter up to 3 l/ha may be sprayed. Do not spray before the first trifoliolate leaf is fully expanded. Basagran® may cause transient scorch on beans that can be prolonged with the later applications, but will have no depressing effect on the yields. * Note: Green beans must not be sprayed under weather conditions with a very high sun intensity, with more than 2 l/ha of Basagran®, as higher rates may cause crop damage.
	Yellow nutsedge	3 L/ha	Refer to NOTE 1 Yellow nutsedge control. The rate of 3 l/ha must not be exceeded as higher rates can cause crop damage.
<b>LAWNS</b>	Yellow nutsedge	80 ml/100 m²	For control of yellow nutsedge, apply 80 ml in a convenient volume of water to cover 100 m². Do not mow for at least four days before application and at least four days after application. The lawn should be well watered and fertilized in advance so that the weeds are growing actively.
<b>MAIZE, SORGHUM, OATS, WHEAT, BARLEY, RICE, SUGARCANE and other grass crops</b>	Broadleaf weeds	3.0 L/ha	Basagran® may be sprayed on cereals at any stage of their development, provided that weed growth corresponds to the growth stage as listed in the APPLICATION TABLE.
	Yellow nutsedge	3–5 L/ha	For information refer to NOTE 1 Yellow nutsedge control.
<b>GROUNDNUTS</b> See WARNINGS	Broadleaf weeds	2–3 L/ha	Apply Basagran® from the first trifoliolate leaf stage onwards. A second application may be made if there are problems with late germinating weeds.
	Yellow nutsedge	3–5 L/ha	For information refer to NOTE 1 Yellow nutsedge control.

<b>SOYABEANS</b> See WARNINGS	Broadleaf weeds	2–3 L/ha	Apply Basagran® from the second trifoliate leaf onwards. A second application may be made if there are problems with late germinating weeds. Basagran® may cause transient scorch on soybeans that can be prolonged with the later applications but will not have a depressing effect on yields. The rate of 3.0 l/ha must not be exceeded as higher rates can cause crop damage.
	Yellow nutsedge	3 L/ha	Refer to NOTE 1 Yellow nutsedge control. The rate of 3 l/ha per application must not be exceeded as higher rates can cause crop damage.
<b>PEAS</b>	Broadleaf weeds	2–3 L/ha	may be sprayed on peas when they are 50–150 mm growth stage as listed in the APPLICATION TABLE. Do not use Basagran® on frost-damaged peas and/or if crop is under stress (cold, drought) or if frost is expected.
	Yellow nutsedge	3 L/ha	For information refer to NOTE 1 Yellow nutsedge control. The rate of 3 l/ha per application must not be exceeded as higher rates can cause crop damage.

#### APPLICATION TABLE for BASAGRAN® + ATRAZINE:

CROP	SOIL TYPE	DOSAGE	REMARKS
<b>MAIZE</b> Broadleaf weeds	All types	2 l Basagran® + 2 l Atrazine 500g/L	Apply recommended mixture for better control of Pigweed, Mexican richardia, Dwarf marigold and Devil's thorn.
<b>GRAIN SORGHUM</b> Broadleaf weeds	Only on soils with more than 16% clay	2 l Basagran® + 2 l Atrazine 500g/l	Refer to WARNINGS on this label and USE RESTRICTIONS on the Atrazine label.

**WEEDS CONTROLLED BY BASAGRAN®:**

Scientific Name	Common Name	NOTE NUMBER	LEAF STAGE	
			2 l/ha	3 l/ha
<i>Acanthospermum hispidum</i>	Upright starbur	NOTE 2	6	8
<i>Argemone subfusiformis</i>	Mexican poppy		4	6
<i>Bidens pilosa</i>	Common blackjack	NOTE 2	4	6
<i>Chenopodium album</i>	White goosefoot		2	4
<i>Cleome monophylla</i>	Single-leaved cleome		4	6
<i>Commelina benghalensis</i>	Wondering jew	NOTE 3	–	4
<i>Datura stramonium</i>	Common thorn apple	NOTE 2	6	8
<i>Datura ferox</i>	Large thorn apple	NOTE 2	6	8
<i>Galinsoga parviflora</i>	Small-flowered quickweed		4	6
<i>Hibiscus trionum</i>	Bladder hibiscus		4	6
<i>Ipomoea purpurea</i>	Morning glory		–	4
<i>Nicandra physaloides</i>	Apple of Peru	NOTE 2	4	6
<i>Portulaca oleracea</i>	Common purslane		4	6
<i>Raphanus raphanistrum</i>	Wild radish		4	6
<i>Richardia brasiliensis</i>	Mexican richardia	NOTE 3	–	2
<i>Schkuhria pinnata</i>	Dwarf marigold	NOTE 3	2	4
<i>Senecio consanguineus</i>	Rag wort		4	6
<i>Sida spinosa</i>	Sida		4	6
<i>Tagetes minuta</i>	Tall khaki weed		4	6
<i>Tribulus terrestris</i>	Common dubbeltjie	NOTE 3	2	4
<i>Xanthium strumarium</i>	Large cockle bur	NOTE 2	6	8



**ADDITIONAL WEEDS CONTROLLED BY A TANK MIXTURE OF BASAGRAN® + ATRAZINE 500 g/L SC**

ONLY MAIZE AND GRAIN SORGHUM		DOSAGE 2 l/ha +2 l/ha
BOTANICAL NAME	Common Name	LEAF STAGE
<i>Amaranthus deflexus</i>	Pigweed	4
<i>Amaranthus hybridus</i>	Cape pigweed	4
<i>Amaranthus spinosus</i>	Thorny pigweed	4

**CONTROL OF THE FOLLOWING WEEDS WILL BE IMPROVED BY THE TANK MIXTURE OF BASAGRAN® + ATRAZINE 500 g/l SC**

ONLY MAIZE AND GRAIN SORGHUM		DOSAGE 2 l/ha +2 l/ha
BOTANICAL NAME	Common Name	LEAF STAGE
<i>Richardia brasiliensis</i>	Tropical richardia	4
<i>Schkuhria pinnata</i>	Dwarf marigold	4
<i>Tribulus terrestris</i>	Devil's thorn	4



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