

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



BROMOXYNIL 225 EC

Reg. No. L 4466 Act/Wet No. 36 of/van 1947
W 130530

3/27/7/2016-Jan2017

A selective emulsifiable concentrate herbicide for the post-emergence control of annual broad-leaved weeds as listed in crops.

'n Selektiewe emulgeerbare konsentraat onkruidodder vir die na-opkoms beheer van eenjarige breëblaaronkruid, soos gelys, in gewasse.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

bromoxynil as the octanoate (nitrile) **225 g/l** bromoksiniel as die oktanoaat (nitril)

HRAC HERBICIDE GROUP CODE **C3** HRAC ONKRUIDDODER GROEPPKODE



villa

Registration holder / Registrasiehouer:
Universal Crop Protection (Pty) Ltd.
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07
PO Box / Posbus 801, Kempton Park, 1620
Tel: 011 396 2233
Website / Webblad: www.villacrop.co.za

UN Number: 2903

Willow Set & Print 011 394-4486

DIRECTIONS FOR USE ENCLOSED

Batch number: REFER TO DETAILS PRINTED ON CONTAINER/BAG
Lotnummer:

GEBRUIKSAANWYSYNGS INGESLUIT

WERMS NA BESONDERHEDE
Formuleringsdatum: GEDRUK OP HOUER/SAK



TOXIC /
GIFTIG



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Registration holder / Registrasiehouer:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

**TOXIC****GIFTIG****WARNINGS**

- Allow a minimum of 40 days between application and grazing or feeding.
- Handle with care.
- Poisonous if absorbed through the skin or swallowed or inhaled.
- Toxic to fish, bees and wildlife.
- Store under lock and key in a cool place.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- **Flammable** - do not spray near open flames.
- Re-entry: Do not enter treated area within 2 days after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor and make this label available to him/her.**

Aerial application

Notify all inhabitants in the immediate vicinity of the lands to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

Although this remedy has been extensively 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 to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 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 event of any uncertainty.

PRECAUTIONS

- Avoid inhalation of the spray mist.
- Avoid eye and skin contact.
- Wear a face shield, rubber gloves and a respirator when handling the product and preparing the spray mixture.
- Wash contaminated clothes after use.
- Wash with soap and water after use and after accidental skin contact.
- In case of contact with eyes, flush eyes with clean water for at least 15 minutes.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face or change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Do not use close to fishponds, fish tanks or aquaria.
- Thoroughly clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Containers must be completely emptied before being disposed of.

- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of a third of the volume of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Do not** re-use the container for any other purpose.
- **Do not burn the empty container.**
- Prevent contamination of food, feeds, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

There are no known signs and symptoms of **Bromoxynil** poisoning.

FIRST AID TREATMENT

- **Inhalation:** Remove source of contamination or move the victim to fresh air. Keep person calm and at rest. If breathing has stopped, perform artificial respiration and administer oxygen. Only qualified medical personnel should administer oxygen. Treat symptomatically and supportively as and when required. **Obtain medical advice if necessary.**
- **Skin contact:** Remove contaminated clothing, shoes and leather goods (e.g. leather belts and watch bands). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Seek medical attention if necessary.**
- **Eye contact:** Immediately flush the eyes with gently flowing lukewarm water or saline solution for at least 20 minutes, holding the eyelid(s) open. Take care that rinse water does not get into unaffected eye or parts of face. **If irritation persists, obtain medical attention.**
- **Ingestion:** **Do not** induce vomiting. Have victim rinse mouth thoroughly with water and give water to drink. Remove chemical by gastric lavage and catharsis and give oxygen if respiration is depressed. Do not perform gastric lavage if patient is unconscious. Qualified medical personnel should perform administration of gastric lavage or oxygen. **Seek medical advice immediately.**

ADVICE TO PHYSICIAN

There is no known antidote. Treat symptomatically and supportively as and when required. Gastric lavage or the administration of activated charcoal with water may be indicated.

RESISTANCE WARNING

BROMOXYNIL 225 EC is a group code C3 herbicide. Any weed population may contain individuals naturally resistant to **BROMOXYNIL 225 EC** and other group code C3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **BROMOXYNIL 225 EC** or any other group code C3 herbicide.

To delay herbicide resistance:

- avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes,
- integrate other control methods (chemical, cultural, biological) into weed control programmes.

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

USE RESTRICTIONS

- When **BROMOXYNIL 225 EC** is mixed with **Agrizine 500 SC** the following **waiting periods** must be adhered to, before **Agrizine 500 SC** sensitive crops can be planted:
 - 6 months when **Agrizine 500 SC** is used at 1.0 litre per hectare,
 - 9 months when **Agrizine 500 SC** is used at 2.0 litres per hectare.
- The **waiting period** with the **BROMOXYNIL 225 EC** plus **Disgran 750 WDG** mixture before **Disgran 750 WDG** sensitive crops can be planted is as follows:

All types of cereals (Wheat, Barley and Oats)	6 months
Sweet and Bitter Lupines and Peas	9 months
Medics, Clover and Lucerne	11 months
All Other Crops	24 months

- A test planting is recommended. For more details, consult the **Agrizine 500 SC** and **Disgran 750 WDG** labels.

- Do not apply to maize younger than the 4 leaf stage.
- Do not apply **BROMOXYNIL 225 EC** to weeds under drought or nutrient stress conditions.
- Do not apply when rain is expected within the following 12 hours.
- Irrigation should be withheld for 48 hours after **BROMOXYNIL 225 EC** application.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- **BROMOXYNIL 225 EC** is compatible with **AGRIZINE 500 SC** (L 5387 / W 130121), **Disgran 750 WDG**, **MCPA 400 SL**, **TOPIK® 240 EC** (L 4250), **Rocket 750 WSG**, **Astron® 480 SC**, **Pentium Plus 915 EC**, **Pentium 960 EC**, **Premium 840 EC**, **Terbucide 600 WDG**, **TERBUSIEN SUPER 600 SC** (L 5435 / N-AR 1110), **Metolachlor 800 EC** and **Metolachlor 960 EC**.
- The compatibility of **BROMOXYNIL 225 EC** with other products may be influenced by the formulation of the products involved, as well as the quality of the water.
- Since the formulation of other products may change and water quality may vary from farm to farm, a compatibility test should always be carried out prior to application.
- Consult your representative before mixing **BROMOXYNIL 225 EC** with other chemicals.

Mixing instructions:

- Shake the container well before use.
- Half fill the spray tank with clean water and add the required amount of **BROMOXYNIL 225 EC**.
- Top up with water to the final required volume whilst maintaining agitation.
- When mixing **BROMOXYNIL 225 EC** with other registered herbicides, use the following procedure:
 - fill the spray tank three quarters with clean water and add the required amount of complementary herbicide, while agitating continuously,
 - add the **BROMOXYNIL 225 EC** just before the tank is filled to full capacity.
- When **BROMOXYNIL 225 EC** is tank mixed with **Agrazine 500 SC**, add the **Agrazine 500 SC** to the water first. **BROMOXYNIL 225 EC** should then be added last, just before the required volume is reached.
- When **BROMOXYNIL 225 EC** is tank mixed with **Topik® 240 EC** the **BROMOXYNIL 225 EC** must be added first, well mixed and in suspension before **Topik® 240 EC** is added. **A Villa approved surfactant**, as needed, should be added last.
- If **BROMOXYNIL 225 EC** and **Disgran 750 WDG** is tank mixed, the **Disgran 750 WDG** must be well mixed and in suspension before **BROMOXYNIL 225 EC** is added. Then the surfactant must be added.
- Ensure thorough agitation of the mixture in the tank during mixing and spraying. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.

Method of Application:

- Apply **BROMOXYNIL 225 EC** only to young actively growing weeds, i.e. weeds growing in moist soil. It is essential that all parts of the weeds be thoroughly covered by the herbicide spray (particularly the growing points in the leaf axils), to ensure effective control. In order to achieve this, the following application instructions must be adhered to.

Ground application: Conventional nozzles with hollow cone tips.

- **BROMOXYNIL 225 EC** alone, as well as in mixture with **Agrazine 500 SC**, **Topik® 240 EC** or **Disgran 750 WDG** can be applied with any high or medium volume sprayer equipped with an efficient agitation mechanism, provided that adequate coverage and even distribution will be obtained.
- Use a low spray pressure (100 to 300 kPa), so that **BROMOXYNIL 225 EC** is applied as a coarse droplet spray.
- **Do not apply under high pressure.**
- Ensure thorough coverage of the weeds, by using not less than 350 litres of spray mixture per hectare.

Aerial application:

Aerial application of **BROMOXYNIL 225 EC** 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 Pesticides). 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 40 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 aerially at a lower volume rate than recommended above.

- **Droplet coverage:** 35 to 45 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 300 to 350 micron is recommended. Limit the production of fine droplets, less than 150 micron (high drift and evaporation potential), to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomizing 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 atomizers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- 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 per hour.
- 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.

IMPORTANT

- Weeds that are overshadowed by other weeds or the crop may not be controlled, due to insufficient coverage. This aspect must be considered in the timing of application.
- To achieve optimum results with **BROMOXYNIL 225 EC**, also refer to “**IMPORTANT NOTES**”.

APPLICATION RATES

TABLE 1: Application rate of **BROMOXYNIL 225 EC** for the post-emergence control of annual broadleaf weeds in the crops mentioned below.

<i>Crop</i>	<i>Dosage Rate</i>	<i>Remarks</i>
<u>Wheat, Barley and Oats</u>	1.5 to 2.0 l/ha	Apply when the weeds are fully germinated, but not later than the 4- to 6-leaf stage (Note: for Problem weeds , as listed in Table 2, not later than the 3-leaf stage). Use the lower dosage rate for ground application and the higher dosage rate for aerial application and apply only when weather conditions favour active growth of weeds. In the Free State, application should take place within 14 days after good rain. Also note “ Method of Application ” above.
	0.6 to 0.75 l/ha PLUS 13 g Disgran 750 WDG	Apply only as a ground application. Use the low rate (0.6 litre per hectare) if <i>Emex australis</i> is in the cotyledon to 3-leaf stage. Use the higher dosage rate of BROMOXYNIL 225 EC (0.75 litre) in the Eastern Free State. Add a Villa approved surfactant to the spray mixture. Consult the Disgran 750 WDG label for more details.

Crop	Dosage Rate	Remarks
Wheat	1.5 ℓ/ha PLUS 0.5 to 1.0 ℓ MCPA 400 SL (potassium salt)	Use the higher rate of MCPA 400 SL in the Eastern Free State when <i>Polygonum aviculare</i> is a problem. Apply within 14 days after good rain. Refer to “ USE RESTRICTIONS ”, Method of Application ” above, as well as “ IMPORTANT NOTES ” below.
Wheat (dry land)	1.5 ℓ/ha PLUS 0.4 to 0.75 kg Rocket 750 WSG	Use the higher rate of Rocket 750 WSG for difficult to control weeds. Apply within 14 days after good rain. Apply between growth stages 7 and 13 according to the list of growth stages issued by the ARC-Small Grain Centre, Bethlehem. Refer to the Rocket 750 WSG label for list of additional weeds controlled, as well as “ USE RESTRICTIONS ” and “ DIRECTIONS FOR USE ”.
Lucerne Undersown in Grain Crops	1.5 to 2.0 ℓ/ha	Follow the instructions given for wheat, barley, and oats above, but do not apply mixture with MCPA 400 SL or where clovers have been undersown with lucerne.
Lucerne Established	2.0 to 3.0 ℓ/ha	Apply after cutting the lucerne and after the weeds fully germinated, but not older than the 4- to 6-leaf stage. (NOTE: for Problem weeds , as listed in Table 2, not later than the 3-leaf stage). Use the higher dosage rate for aerial application, when the weed stand is very dense. Use the lower dosage rate only for ground application. Apply only when weather conditions favour active weed growth. WARNING Yellowing of the lucerne leaves may occur after application, but this is of a temporary nature and will disappear after a few days, without affecting the crop.
Maize	1.5 to 2.0 ℓ/ha	Apply when weeds are fully germinated, but not older than the 6-leaf stage. (NOTE: for Problem weeds , as listed in Table 2, not later than the 3-leaf stage). Spraying can be done by means of ground or aerial application. For aerial application use the higher rate only. Apply only when weather conditions favour active growth of weeds. Also note “ Method of Application ” above.

Crop	Dosage / ha	Remarks
Maize and Grain Sorghum	1.0 ℓ/ha PLUS 1.0 to 2.0 ℓ Agrizine 500 SC	Refer to “ USE RESTRICTIONS and Method of Application ” above, as well as “ IMPORTANT NOTES ” below. Apply when weeds are fully germinated, but not older than the 6-leaf stage (NOTE: for Problem weeds , as listed in Table 2, not later than the 3-leaf stage). For a longer residual effect use the higher Agrizine 500 SC rate. Spraying can be done by means of ground or aerial application. Use the higher dosage rate for aerial application or for ground application when the weed stand is very dense. Use the lower dosage rate only for ground application. Apply when weather conditions favour active weed growth. Also note “ Method of Application ”, “ Restrictions of Use ” and “ IMPORTANT NOTES ”.
	1.5 ℓ/ha PLUS 1.0 ℓ MCPA 400 SL (potassium salt)	Refer to “ USE RESTRICTIONS and Method of Application ” above, as well as “ IMPORTANT NOTES ” below. Apply as ground or aerial spray when the weeds are fully emerged, but not older than the 6-leaf stage (NOTE: for Problem weeds , as listed in Table 2, not later than the 3-leaf stage). If the crop is taller than 40 cm, directed spraying is recommended so that better wetting of weeds is obtained. Apply when weather conditions favour active growth of weeds. Do not apply under cold, wet conditions as this may result in damage to the crop.

IMPORTANT NOTES

1. Do not apply **BROMOXYNIL 225 EC** when the weeds are older than as specified, as this will result in poor weed control.
2. The use of **BROMOXYNIL 225 EC** in combination with wetting agents is not advisable as this may lead to crop damage.
3. When **BROMOXYNIL 225 EC** and **MCPA 400 SL** are applied as a tank mix, application to wheat must be done between growth stages 7 and 13 according to the list of growth stages issued by the ARC-Small Grain Centre, Bethlehem.
4. Avoid application when the weeds are covered with heavy dew or when the wind is blowing strongly.
5. Ensure thorough coverage of the weeds.
6. Weeds that have not germinated at the time of application, will not be controlled.
7. Poor weed control may result if **BROMOXYNIL 225 EC** is applied when the weeds are under moisture or other stress. Apply only during favourable climatic conditions when the weeds are actively growing.
8. Under certain climatic conditions **BROMOXYNIL 225 EC** may cause some leaf scorch to grain crops. However, yields will not be affected.
9. When **BROMOXYNIL 225 EC** is mixed with any other product, the information on the label of that product must be carefully consulted and the instructions followed. Consult the representative before **BROMOXYNIL 225 EC** is mixed with other chemicals.

TABLE 2: Weed species normally controlled by **BROMOXYNIL 225 EC** at the dosage rates and conditions as indicated.

WEED SPECIES NORMALLY CONTROLLED	
Broad-leaved weed species:	
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Cape pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Amsinckia calycina</i>	Fiddle neck
<i>Anthemis cotula</i>	Stink mayweed
<i>Arcotheca calendula</i>	Cape marigold
<i>Argemone subfusiformis</i>	Mexican poppy
<i>Bidens pilosa</i>	Common blackjack
<i>Bilderdykia convolvulus</i>	Climbing knotweed
<i>Capsella bursa-pastoris</i>	Shepherd's purse
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium ambrosioides</i>	Wormseed goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Chenopodium multifidum</i>	Stinking goosefoot
<i>Chenopodium murale</i>	Nettle-leaved goosefoot
<i>Chenopodium schraderanum</i>	Schrader goosefoot
<i>Datura ferox</i>	Large thornapple
<i>Datura stramonium</i>	Common thornapple
<i>Emex australis</i> *	Spiney emex
<i>Flaveria bidentis</i>	Smelter's bush
<i>Galinsoga parviflora</i>	Small-flowered quick weed
<i>Helianthus annuus</i>	Sunflower
<i>Hibiscus trionium</i>	Hybiscus bladder
<i>Ipomoea purpurea</i>	Morning glory
<i>Lepidium bonariense</i>	Pepperweed
<i>Melilotus indica</i>	Annual sweet yellow clover
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Polygonum aviculare</i> *	Prostrate knotweed
<i>Raphanus raphanistrum</i> *	Wild radish
<i>Richardia brasiliensis</i>	Mexican Richardia
<i>Ricinus communis</i>	Castor oil
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Senecio burchelli</i>	Molteno disease Senecio
<i>Sida cordifolia</i>	Flannel weed
<i>Sisymbrium thellungii</i> *	Wild mustard
<i>Solanum nigrum</i>	Black nightshade
<i>Sonchus oleraceus</i>	Common sow thistle
<i>Tagetes minuta</i>	Tall khaki weed
<i>Tribulus terrestris</i> *	Common Devil's thorn
<i>Vicia hirsuta</i>	Common vetch
<i>Vicia sativa</i>	Tiny vetch
<i>Xanthium spinosum</i>	Spiny cocklebur
<i>Xanthium strumarium</i>	Cocklebur

* - Cotyledon to 3-leaf stage only.

WEED SUPPRESSED	
The following weed is suppressed to a degree of 60 to 80 % with BROMOXYNIL 225 EC at the dosage rates and conditions as indicated.	
<i>Fumaria muralis</i>	Fumitory

POST-EMERGENCE APPLICATION OF BROMOXYNIL 225 EC PLUS Astron® 480 SC PLUS Terbuticide 600 WDG OR Terbusien Super 600 SC IN MAIZE

NOTES

- This treatment can be applied as a post-emergence application or as a follow up to a pre-emergence application of **Astron® 480 SC** in a tank mixture with **Pentium Plus 915 EC** or **Metolachlor 800 EC** or **Metolachlor 960 EC** or **Premium 840 EC**, as indicated on the registered labels.
- Apply this mixture post-emergence in the 2- to 6-leaf stage for broadleaf weeds, and 2- to 3-leaf stage for grass weeds.
- **Do not** add a wetting agent to any mixture containing **Bromoxynil**, as this may cause damage to the crop.
- Under certain climatic conditions **BROMOXYNIL 225 EC** may cause leaf scorch to grain crops. However, yields will not be affected.
- Refer to the **Astron® 480 SC** and **Terbuticide 600 WDG** or **Terbusien Super 600 SC** labels for a list of additional weeds controlled by these products, as well as for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.
- Higher dosage rates of **Terbuticide 600 WDG** or **Terbusien Super 600 SC** may be applied for control of additional broadleaf weed species and longer residual control of broadleaf weeds. Refer to the **Terbuticide 600 WDG** or **Terbusien Super 600 SC** labels for dosage rates, and a list of additional weeds controlled by this product, as well as for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

BROMOXYNIL 225 EC 500 to 750 ml / ha	PLUS	
	Astron® 480 SC 210 to 260 ml / ha	Terbuticide 600 WDG 800 g / ha
		PLUS
		OR
		Terbusien Super 600 SC 800 ml / ha
WEEDS CONTROLLED		
Botanical name	Common name	
<i>Acanthospermum hispidum</i>	Upright starbur	
<i>Amaranthus hybridus</i>	Common pigweed	
<i>Bidens pilosa</i>	Common blackjack	
<i>Chenopodium album</i>	White goosefoot	
<i>Commelina benghalensis</i> *	Wandering jew	
<i>Datura ferox</i>	Large thorn apple	
<i>Galinsoga parviflora</i>	Gallant soldier	
<i>Portulaca oleracea</i>	Purslane	
<i>Richardia brasiliensis</i>	Mexican Richardia	
<i>Tagetes minuta</i>	Tall Khaki weed	
<i>Xanthium strumarium</i> *	Cocklebur	

* Only at highest dosage rate.

POST-EMERGENCE APPLICATION OF BROMOXYNIL 225 EC PLUS Astron® 480 SC plus Terbuticide 600 WDG OR Terbusien Super 600 SC PLUS Pentium 960 EC OR Metolachlor 960 EC IN MAIZE

NOTES

- This treatment can be applied as a post-emergence application or as a follow up to a pre-emergence application of **Astron® 480 SC** in tank mixture with **Pentium Plus 915 EC** or **Metolachlor 800 EC** or **Metolachlor 960 EC** or **Premium 840 EC** as indicated on the registered labels.
- Apply this mixture post-emergence in the 2- to 6-leaf stage for broadleaf weeds, and 2- to 3-leaf stage for grass weeds.
- **Do not** add a wetting agent to any mixture containing **Bromoxynil** as this may cause damage to the crop.
- Under certain climatic conditions **BROMOXYNIL 225 EC** may cause leaf scorch to grain crops. However, yields will not be affected.
- Refer to the **Pentium 960 EC** or **Metolachlor 960 EC**, **Astron® 480 SC** and **Terbuticide 600 WDG** or **Terbusien Super 600 SC** labels for a list of additional weeds controlled by these products, as well as for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.
- Higher dosage rates of **Terbuticide 600 WDG** or **Terbusien Super 600 SC** may be applied for control of additional broadleaf weed species and longer residual control of broadleaf weeds. Refer to the **Terbuticide 600 WDG** or **Terbusien Super 600 SC** labels for dosage rates, and a list of additional weeds controlled by this product, as well as for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

BROMOXYNIL 225 EC 500 ml / ha	PLUS	PLUS	PLUS	
	Pentium 960 EC 400 to 520 ml / ha OR Metolachlor 960 EC 600 to 800 ml / ha	Astron® 480 SC 210 to 260 ml / ha	Terbuticide 600 WDG 800 g / ha	OR Terbusien Super 600 SC 800 ml / ha
WEEDS CONTROLLED:				
Botanical name		Common name		
<i>Acanthospermum hispidum</i>		Upright starbur		
<i>Amaranthus hybridus</i>		Common pigweed		
<i>Bidens pilosa</i>		Common blackjack		
<i>Chenopodium album</i>		White goosefoot		
<i>Commelina benghalensis*</i>		Wandering jew		
<i>Cyperus esculentus*</i>		Yellow nutsedge		
<i>Digitaria sanguinalis</i>		Crab finger grass		
<i>Datura ferox</i>		Large thorn apple		
<i>Eleusine indica (africana)</i>		Goose grass		
<i>Galinsoga parviflora</i>		Gallant soldier		
<i>Emex australis**</i>		Spiny Emex		
<i>Richardia brasiliensis</i>		Mexican Richardia		
<i>Tagetes minuta</i>		Tall Khaki weed		
<i>Urochloa panicoides</i>		Herringbone grass / garden urochloa		
<i>Xanthium strumarium*</i>		Cocklebur*		

* Only at highest dosage rate.

** *Emex australis* needs 750 ml **BROMOXYNIL 225 EC** to be controlled.

The following products mentioned in this label may be replaced with equivalent products:

- **ASTRON® 480 SC** (L 8366) = **CANTRON® 480 SC** (L 8365 / N-AR 1323 / W 130651) = **CANONNE 480 SC** (L 8735) (**Mesotrione**),
- **MCPA 400 SL** (L 5795 / W 130452) = **MCPA 400 SL** (L 5793 / N-AR 1092),
- **PENTIUM PLUS 915 EC** (L 9741) = **PALLADIUM PLUS 915 EC** (L 9359) = **PARTISAN PLUS 915 EC** (L 9942) (**S-metolachlor**),
- **PENTIUM 960 EC** (L 9830) = **PALLADIUM 960 EC** (L 9360 / W 130772) = **PARTISAN 960 EC** (L 9964) (**S-metolachlor**),

- **PREMIUM 840 EC** (L 8066) = **LEAP 840 EC** (L 8064 / N-AR 1103) = **ARMANN SUPER 840 EC** (L 8373) (**Acetochlor**),
- **DISGRAN 750 WDG** (L 7473) = **TRIASON 75 WDG** (L 7472) = **TRIASULFURON 75 WDG** (L 10038),
- **ROCKET 750 WSG** (L 9737) = **MORTAR 750 WSG** (L 9738),
- **TERBUCIDE 600 WDG** (L 8799) = **TERBUWEED 600 WDG** (L 8800) = **TERBUMAIS 600 WDG** (L 8798) (**Terbutylazine**),
- **METOLACHLOR 800 EC** (L 7137) = **METOLACHLOR 800 EC** (L 7433) = **MAESTRO PLUS 800 EC** (L 8090) and
- **METOLACHLOR 960 EC** (L 7136 / W 130057 / N-AR 1362) = **PLATINUM 960 EC** (L 7434) = **PLATINUM 960 EC** (L 8129).

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