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## CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Basagran<sup>®</sup>

## Post-Emergence Herbicide

**ACTIVE CONSTITUENT: 480 g/L BENTAZONE**  
(present as sodium salt)

GROUP	<b>6</b>	HERBICIDE
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For selective post-emergence control of certain broadleaf weeds in Green (Dwarf French) Beans, Navy (Haricot) Beans, Peanuts, Red Kidney Beans, Red Mexican Beans and Soybeans as per the DIRECTIONS FOR USE table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

CONTENTS: 5L, 20L

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**APVMA Approval No.: 31608/61795**



## DIRECTIONS FOR USE

### RESTRAINTS

Do NOT apply under hot, dry conditions.

CROP	WEEDS	STATE	RATE/ ha	WHP	CRITICAL COMMENTS
Broad beans	Black bindweed ( <i>Polygonum convolvulus</i> ),	Tas only	1 L	5 weeks	Apply when weeds are less than two true leaves.
	blackberry nightshade ( <i>Solanum nigrum</i> ),		2 L		Apply when broad bean plants are at the two leaf stage or earlier and weeds are less than 5 cm high.
	corn spurry ( <i>Spergula arvensis</i> ), fat hen ( <i>Chenopodium album</i> ), fumitory ( <i>Fumaria muralis</i> ), hedge mustard ( <i>Sisymbrium officinale</i> ), shepherd's purse ( <i>Capsella bursa-pastoris</i> ), wild radish ( <i>Raphanus raphanistrum</i> ), wild turnip ( <i>Brassica rapa campestris</i> )		3 L		Ensure weeds are less than 5 cm high, and broad bean plants are developed past the two leaf stage. Sequential applications may be necessary to achieve satisfactory weed control, but no more than two applications should be used and the total rate applied should not exceed 3 L/ha. The addition of a non-ionic surfactant such as BS1000 at 125 mL per 100 litres of the spray volume is necessary for optimum weed control.

CROP	WEEDS	STATE	RATE/ ha	WHP	CRITICAL COMMENTS
Green beans (Dwarf French)	Thornapples ( <i>Datura</i> spp.)	Qld, NSW, Vic, WA Only	1.5 L or 2 L	5 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr ( <i>Xanthium pungens</i> )				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry ( <i>Physalis angulata</i> ), apple of Peru ( <i>Nicandra physalodes</i> ), bellvine ( <i>Ipomea plebeia</i> ), cobblers pegs ( <i>Bidens pilosa</i> ), star burr ( <i>Acanthospermum hispidum</i> ), variegated thistle ( <i>Silybum marianum</i> )		2 L		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15 cm in diameter. Annual ground cherry should be less than 1.5 cm high.  Control of bellvine may be inconsistent if soil is dry.
	Anoda weed ( <i>Anoda cristata</i> ), hairy wandering jew ( <i>Commelina benghalensis</i> )	Qld only			Apply when weeds are cotyledon to 3 leaves.
	Blackberry nightshade ( <i>Solanum nigrum</i> ), black bindweed ( <i>Polygonum convolvulus</i> ), corn spurry ( <i>Spergula arvensis</i> ), fumitory ( <i>Fumaris muralis</i> ), fat hen ( <i>Chenopodium album</i> ), hedge mustard ( <i>Sisymbrium officinale</i> ), shepherd's purse ( <i>Capsella bursa-pastoris</i> ), wild turnip ( <i>Brassica rapa campestris</i> ), wild radish ( <i>Raphanus raphanistrum</i> )	Tas only	1 L		Apply when unifoliate bean leaf is fully expanded.
			2 L		Apply when first trifoliate bean leaf is fully expanded.
			3 L		Ensure weeds are less than 5 cm high and second trifoliate bean leaf is fully expanded.
		Vic, SA only	3 L		Ensure weeds are less than 5 cm high.  If product is applied prior to the full expansion of the second trifoliate leaf, sequential applications may be necessary to achieve satisfactory weed control, but no more than two applications should be used and the total rate applied should not exceed 3 L/ha. The addition of a non-ionic surfactant such as BS1000 at 125 mL per 100 litres of the spray volume is necessary for optimum weed control.

CROP	WEEDS	STATE	RATE/ ha	WHP	CRITICAL COMMENTS
Navy beans (Haricot)	Thornapples ( <i>Datura</i> spp.)	Qld, NSW, Vic, WA Only	1.5 L or 2 L	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr ( <i>Xanthium pungens</i> )				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry ( <i>Physalis angulata</i> ), apple of Peru ( <i>Nicandra physalodes</i> ), bellvine ( <i>Ipomea plebeia</i> ), cobblers pegs ( <i>Bidens pilosa</i> ), star burr ( <i>Acanthospermum hispidum</i> ), variegated thistle ( <i>Silybum marianum</i> )		2 L		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15 cm in diameter. Annual ground cherry should be less than 1.5 cm high.  Control of bellvine may be inconsistent if soil is dry.
	Anoda weed ( <i>Anoda cristata</i> ), hairy wandering jew ( <i>Commelina benghalensis</i> )	Qld only	Apply when weeds are cotyledon to 3 leaves.		
	Blackberry nightshade ( <i>Solanum nigrum</i> ), black bindweed ( <i>Polygonum convolvulus</i> ), corn spurry ( <i>Spergula arvensis</i> ), fumitory ( <i>Fumaris muralis</i> ), fat hen ( <i>Chenopodium album</i> ), hedge mustard ( <i>Sisymbrium officinale</i> ), shepherd's purse ( <i>Capsella bursa-pastoris</i> ), wild turnip ( <i>Brassica rapa campestris</i> ), wild radish ( <i>Raphanus raphanistrum</i> )	Vic, Tas, SA only	3 L		Ensure weeds are less than 5 cm high. The addition of a non-ionic surfactant such as BS1000 at 125 mL per 100 litres of the spray volume is necessary for optimum weed control in Tasmania.

CROP	WEEDS	STATE	RATE/ ha	WHP	CRITICAL COMMENTS
Peanuts	Thornapples ( <i>Datura</i> spp.)	Qld only	1.5 L or 2 L	21 days	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr ( <i>Xanthium pungens</i> )				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry ( <i>Physalis angulata</i> ), apple of Peru ( <i>Nicandra physalodes</i> ), bellvine ( <i>Ipomea plebeia</i> ), cobblers pegs ( <i>Bidens pilosa</i> ), star burr ( <i>Acanthospermum hispidum</i> ), variegated thistle ( <i>Silybum marianum</i> )		2 L		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15 cm in diameter. Annual ground cherry should be less than 1.5 cm high.  Control of bellvine may be inconsistent if soil is dry.
	Anoda weed ( <i>Anoda cristata</i> ), hairy wandering jew ( <i>Commelina benghalensis</i> )				Apply when weeds are cotyledon to 3 leaves.
Red kidney beans, red mexican beans	Thornapples ( <i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 L or 2 L	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr ( <i>Xanthium pungens</i> )				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry ( <i>Physalis angulata</i> ), apple of Peru ( <i>Nicandra physalodes</i> ), bellvine ( <i>Ipomea plebeia</i> ), cobblers pegs ( <i>Bidens pilosa</i> ), star burr ( <i>Acanthospermum hispidum</i> ), variegated thistle ( <i>Silybum marianum</i> )		2 L		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15 cm in diameter. Annual ground cherry should be less than 1.5 cm high.  Control of bellvine may be inconsistent if soil is dry.
	Anoda weed ( <i>Anoda cristata</i> ), hairy wandering jew ( <i>Commelina benghalensis</i> )	Qld only	Apply when weeds are cotyledon to 3 leaves.		

CROP	WEEDS	STATE	RATE/ha	WHP	CRITICAL COMMENTS
Soybeans	Thornapples ( <i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 L or 2 L	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr ( <i>Xanthium pungens</i> )				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry ( <i>Physalis angulata</i> ), Apple of Peru ( <i>Nicandra physalodes</i> ), Bellvine ( <i>Ipomea plebeia</i> ), Cobblers pegs ( <i>Bidens pilosa</i> ), star burr ( <i>Acanthospermum hispidum</i> ), variegated thistle ( <i>Silybum marianum</i> )		2 L		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15 cm in diameter. Annual ground cherry should be less than 1.5 cm high. Control of bellvine may be inconsistent if soil is dry.
	Anoda weed ( <i>Anoda cristata</i> ), hairy wandering jew ( <i>Commelina benghalensis</i> )	Qld only	Apply when weeds are cotyledon to 3 leaves.		
	Bathurst burr ( <i>Xanthium spinosum</i> ) and blackberry nightshade ( <i>Solanum nigrum</i> ) (SUPPRESSION ONLY)	NSW only	2 L plus 2 L of D-C- Trate Advance Spray Adjuvant per ha		Apply as a post-emergent spray no later than early 4 leaf stage of the weeds.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

#### WITHHOLDING PERIODS

PEANUTS: Do NOT harvest for 21 days after application.

BROAD BEANS, GREEN BEANS: Do NOT harvest for 5 weeks after application.

NAVY BEANS, RED KIDNEY BEANS, RED MEXICAN BEANS, SOYBEANS: Do NOT harvest for 8 weeks after application.

## GENERAL INSTRUCTIONS

### APPLICATION

**Ground Application:** BASAGRAN is a contact herbicide and therefore thorough coverage of the foliage of weeds is essential. To obtain thorough coverage BASAGRAN should be applied through properly calibrated and maintained spray equipment at a volume of 220 to 440 L water per ha and pressure of 240 to 340 kPa. Coverage will be reduced if weeds are being shaded by the crop or by any other factors such as drift or dusty leaves that prevent the herbicide reaching target leaves. Best results will be obtained when conditions favour rapid growth.

**Aerial Application:** (Read instructions for Ground Application first)

Apply with aircraft fitted with either conventional boom and nozzles or with Micronair rotary atomizers flying between 3 to 4 metres above the ground. Booms should be fitted with D8 to D12 nozzles and calibrated to apply at least 50 L/ha with overlapping swaths to prevent striping. Micronairs should be calibrated to apply at least 35 L/ha with droplets between 200 to 250 microns and swaths overlapping to prevent striping. Avoid droplets smaller than 200 micron as they are susceptible to evaporation.

Do NOT APPLY under hot and dry conditions. Best results are obtained from late afternoon or early morning spraying.

Do NOT APPLY under strong or gusty wind conditions (more than 5 knots) as striping will occur.

**Split Applications:** Weeds do not all germinate at once and application should not be delayed to catch later germinations. When late germinations of weeds occur a second application is advisable before the crop canopy closes.

**The Effects of Stress and Weather:** Application is not recommended to crops suffering from stress induced by drought, water logging, hail damage, frost or injury from other pesticides or crop injury may occur. Such stress conditions may also harden weeds making them more difficult to kill.

BASAGRAN is a water soluble concentration and hot, dry conditions may cause spray to evaporate reducing covering and the performance on weeds. Rain within eight hours of spraying is likely to reduce the effectiveness of BASAGRAN resulting in poor weed control.

**Wetting Agent:** In Tasmania (only) a non-ionic wetting agent such as BS1000 at 125 mL per 100 litres of the volume should be added when BASAGRAN is sprayed on navy (Haricot) beans and green (Dwarf French) beans. In general, the addition of wetter does not improve control of weeds in other areas. However, with less susceptible weeds or if spray coverage is less than optimum the addition of BS1000 may improve control.

### MIXING

BASAGRAN mixes readily with water. Add the required amount of BASAGRAN to the spray tank when filling and agitate to give even mixing.

### COMPATIBILITY

BASAGRAN can be applied after pre-planting application of trifluralin or EPTC

### RESISTANCE WARNING

**GROUP 6 HERBICIDE**

BASAGRAN® Post-emergence Herbicide is a member of the benzothiadiazole group of herbicides. BASAGRAN is a herbicide which inhibits photosynthesis at photosystem II. For weed resistance management BASAGRAN is a Group 6 herbicide. Some naturally-occurring weed biotypes resistant to BASAGRAN, and other herbicides which inhibit photosynthesis at photosystem II, may

exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by BASAGRAN or other Group 6 herbicides. Since occurrence of resistant weeds is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of BASAGRAN to control resistant weeds.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Do NOT contaminate streams, rivers or waterways with the product or used containers.

#### **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

Do NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pasture.

#### **CROP SAFETY**

**Green beans, navy beans, red kidney beans, red mexican beans:** Beans are tolerant of BASAGRAN after the first two trifoliolate leaves are fully expanded. There may be leaf scorch but this will not affect yields. Do NOT apply unless two trifoliolate leaves are present except as per directions for use in Tasmania on green beans or severe damage may result. When used in Tasmania do not apply after flower bud formation.

**Peanuts:** Apply after the crop is 12 cm high.

**Soybeans:** Soybeans are tolerant of BASAGRAN at all stages of growth. Mild leaf scorching may occur but will not affect yield.

#### **STORAGE AND DISPOSAL**

Store in the closed, original container in a well-ventilated area, as cool as possible. Do NOT store for prolonged periods in direct sunlight. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. Break, crush, puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

#### **SAFETY DIRECTIONS**

May irritate the eyes and skin. Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

#### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

#### **SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS).





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## CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non- excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval No.: 31608/61795

Batch No:

Date of Manufacture:

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**FOR SPECIALIST ADVICE IN AN**

**EMERGENCY ONLY**

**PHONE 1800 803 440**

**TOLL FREE - ALL HOURS - AUSTRALIA WIDE**

## **GHS STATEMENTS**

Harmful if swallowed. May cause an allergic skin reaction. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects. Very toxic to aquatic life. If medical advice is needed, have product container or label at hand. Avoid breathing mist or vapour or spray. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash contaminated body parts thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. IF exposed or concerned: Get medical attention. Take off contaminated clothing and wash it before reuse. Collect spillage. If eye irritation persists: Get medical attention. Store locked up.