

# CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# B-POWER<sup>®</sup>

Herbicide

syngenta.

**ACTIVE CONSTITUENT: 100 g/L BUTAFENACIL**

**SOLVENT: 830.5 g/L LIQUID HYDROCARBONS**

GROUP

**G**

HERBICIDE

Improves control of a range of grass and broadleaf weeds when tank mixed with non-selective herbicides, in Fallow or prior to the establishment of Cereals, Canola and Pulses

*Syngenta Australia Pty Ltd  
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113*

*In a transport emergency dial 000, Police or Fire Brigade  
For specialist advice in an emergency only, call 1800 033 111 (24 hours)*

**APVMA Approval Number: 85430/113266**

**EC**

Formulation type  
Emulsifiable  
Concentrate



## DIRECTIONS FOR USE

### Restrictions:

- DO NOT apply by aircraft.
- DO NOT make more than 1 application per season
- DO NOT apply if heavy rain or storms are forecast within 3 days
- DO NOT irrigate to the point of run-off for at least 3 days after application
- DO NOT spray weeds which are waterlogged, under stress of any kind or covered with soil or dust
- DO NOT spray weeds covered with heavy dew
- DO NOT sow or cultivate for 1 hour after spraying
- DO NOT use prior to the sowing of crops undersown with pasture species or vetch
- DO NOT tank mix with LOGRAN® B-POWER
- DO NOT use if LOGRAN B-POWER is to be used in the same season

### Spray Drift Restrictions:

**DO NOT** apply with spray droplets smaller than a **COARSE** spray droplet size category according to "APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories" located under this title in the GENERAL INSTRUCTIONS section of this label.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application, and must KEEP this record for at least 2 years. The spray application details that must be recorded are:

- 1 date with start and finish times of application
  - 2 location address and paddock(s) sprayed
  - 3 full name of this product
  - 4 amount of product used per hectare and number of hectares applied to
  - 5 crop or situation and weed or pest
  - 6 wind speed and direction during application
  - 7 air temperature and relative humidity during application
  - 8 nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application
  - 9 name and address of person applying this product.
- (Additional record details may be required by the state or territory where this product is used.)

### Mandatory No-Spray Zones

DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat within the **mandatory no-spray zones** shown in the table below.

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within the **mandatory no-spray zones** shown in the table below.

### No-spray zones for protection of aquatic and terrestrial environments

For ground application		
Tank mix partner	Downwind mandatory no-spray zone	
	Aquatic	Terrestrial
Glyphosate	20 metres	0 metres
Gramoxone® 360 Pro Herbicide Gramoxone 250 Herbicide	40 metres	20 metres
Spray.Seed® 250 Herbicide	20 metres	60 metres

Read and follow the label directions on mandatory no-spray zones of the tank mix product.

Situation	Weeds Controlled	State	Rate	Critical Comments
<p><b><u>DIRECT DRILLING</u></b> within 14 days after product application using minimum disturbance sowing equipment</p> <p><b><u>Conventional (full disturbance), Disc seeding, knifepoint and press-wheel seeding systems</u></b></p> <p><b>Cereals</b></p> <p><b><u>FALLOWS</u></b> cultivated or non-cultivated as an aid in establishing or maintaining a fallow</p>	Refer to Table A below	All States	55 to 160 mL/ha plus recommended rates of Spray.Seed 250 Herbicide, Gramoxone 360 Pro Herbicide, Gramoxone 250 Herbicide or glyphosate	<p>The addition of B-POWER to Spray.Seed 250, Gramoxone 360 Pro, Gramoxone 250 or glyphosate may improve the speed of brownout of the target weeds as well as improved final control.</p> <p>Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix products.</p> <p>DO NOT make more than 1 application per season.</p> <p><b>RATE SELECTION:</b> Use the higher rate where weeds are stressed, there is significant overlap of target weed leaves, where targeting larger weeds or when applying in Spring or Summer.</p>
	Fleabane ( <i>Conyza bonariensis</i> ) Sub Clover ( <i>Trifolium subterraneum</i> )		100 to 160 mL/ha plus recommended rates of Spray.Seed 250, Gramoxone 360 Pro, Gramoxone 250 or glyphosate	
<p><b><u>DIRECT DRILLING</u></b> within 14 days after product application using minimum disturbance sowing equipment</p> <p><b><u>Knifepoint and press-wheel systems</u></b></p> <p><b>Canola</b> <b>Pulses</b> Lupins Field Peas Faba Beans Chickpeas Lentils</p>	Refer to Table A below		55 to 130 mL/ha plus recommended rates of Spray.Seed 250, Gramoxone 360 Pro, Gramoxone 250 or glyphosate	<p><b>SOWING INTERVAL:</b> The interval between application and sowing of a crop should be no less than 1 hour. Refer to the Re-cropping section for more detail.</p> <p><b>SOWING EQUIPMENT:</b> When used prior to sowing canola and pulse crops, attention must be paid to equipment setup to ensure crop safety. Refer to the Re-cropping section for further detail.</p> <p><b>ADJUVANT:</b> Always use an adjuvant when applying B-POWER though care should be taken to ensure it is compatible with all other tank-mix partners.</p>
	Fleabane ( <i>Conyza bonariensis</i> ) Sub Clover ( <i>Trifolium subterraneum</i> )		100 to 130 mL/ha plus recommended rates of Spray.Seed 250, Gramoxone 360 Pro, Gramoxone 250 or glyphosate	

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

**WITHHOLDING PERIODS**

**Harvest: NOT REQUIRED WHEN USED AS DIRECTED**

**Grazing:**

**Fallows: DO NOT GRAZE OR CUT SPRAYED VEGETATION FOR STOCK FOOD FOR AT LEAST 1 DAY AFTER APPLICATION**

**Cereals: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION**

**Canola and Pulses: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION**

<b>Table A</b>	
<b>Broadleaved Weeds</b>	
Capeweed	<i>Arctotheca calendula</i>
Cobblers' Pegs	<i>Bidens pilosa</i>
Tarvine	<i>Boerhavia diffusa</i>
Volunteer Canola	<i>Brassica napus</i>
Wild Turnip	<i>Brassica tournefortii</i>
Shepherd's Purse	<i>Capsella bursa-pastoris</i>
Ward's Weed	<i>Carrichtera annua</i>
Saffron Thistle	<i>Carthamus lanatus</i>
Goosefoot	<i>Chenopodium album</i>
Clammy Goosefoot	<i>Chenopodium pumilio</i>
Stemless Thistle	<i>Cirsium acaule</i>
Patterson's Curse	<i>Echium plantagenium</i>
Double Gee	<i>Emex australis</i>
Long Storksbill	<i>Erodium botrys</i>
Common Storksbill	<i>Erodium cicutarium</i>
Dense-flower fumitory	<i>Fumaria densiflora</i>
Flatweed	<i>Hypochaeris radicata</i>
Toadrush	<i>Juncus bufonis</i>
Deadnettle	<i>Lamium amplexicaule</i>
Volunteer Lupins	<i>Lupinus angustifolius</i>
Blue Lupins	<i>Lupinus cosentinii</i>
Marshmallow	<i>Malva parviflora</i>
Seedling Lucerne	<i>Medicago sativa</i>
Medic	<i>Medicago spp.</i>
Red Flowered Mallow	<i>Modiola caroliniana</i>
Volunteer Field Peas	<i>Pisum sativum</i>
Wireweed	<i>Polygonum aviculare</i>
Red Pigweed	<i>Portulaca oleracea</i>
Wild Radish	<i>Raphanus raphanistrum</i>
Turnip Weed	<i>Rapistrum rugosum</i>
Sorrel	<i>Rumex acetosella</i>
Dock	<i>Rumex crispus</i>
Mintweed	<i>Salvia reflexa</i>
Indian Hedge Mustard	<i>Sisymbrium orientale</i>
Sowthistle	<i>Sonchus oleraceus</i>
Caltrop	<i>Tribulus terrestris</i>
Stinging Nettle	<i>Urtica urens</i>
Vetch	<i>Vicia sativa</i>
Volunteer Mung Beans	<i>Vigna radiata</i>
<b>Grass Weeds</b>	
Volunteer Oats	<i>Avena sativa</i>
Wild Oats	<i>Avena fatua</i>
Brome Grass	<i>Bromus diandrus</i>
Soft Brome	<i>Bromus hordeaceus</i>
Barnyard Grass	<i>Echinochloa crus-galli</i>
Tall Fescue	<i>Festuca arundinacea</i>
Northern Barley Grass	<i>Hordeum glaucum</i>
Barley Grass	<i>Hordeum leporinum</i>
Volunteer Barley	<i>Hordeum vulgare</i>
Annual Ryegrass	<i>Lolium rigidum</i>
Witch Grass	<i>Panicum capillare</i>
Hairy Panic	<i>Panicum effusum</i>
Annual Phalaris	<i>Phalaris paradoxa</i>
Volunteer Wheat	<i>Triticum aestivum</i>
Liverseed Grass	<i>Urochloa panicoides</i>
Silver Grass	<i>Vulpia bromoides</i>

## GENERAL INSTRUCTIONS

B-POWER Herbicide quickly kills a wide range of annual grasses and broadleaf weeds when applied directly to the leaf. The active ingredients are contact in nature, meaning they are only effective in controlling leaf tissue that they directly contact due to very limited translocation of the active ingredients.

### Mixing

B-POWER is an emulsifiable concentrate (EC) formulation. The recommended rate of B-POWER should be added to the spray tank after granular tank-mix partners (if used) are fully dissolved and in suspension. Good agitation should take place to ensure adequate mixing.

### Application

#### Important information

These instructions inform those using this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application.

Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both of these documents, to identify droplet size categories; however, for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

**Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.**

**USE ONLY** nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category, as referenced in ASAE S572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label Spray Drift Restraints.

**DO NOT** use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

#### Environmental conditions and water quality

B-POWER efficacy is dependent on good coverage of the target weeds. Limited translocation occurs within the plant so inadequate coverage is likely to result in unacceptable control.

Where the weed target is especially dense or well advanced, a two-spray strategy may be more effective:

- An initial application of B-POWER should be followed by a second application of Gramoxone 360 Pro or Spray.Seed 250 no less than 30 minutes and no more than 7 days later.
- An initial application of B-POWER should be followed by a second application of Gramoxone 360 Pro or Spray.Seed 250 no less than 7 days and no more than 14 days later.

A second application of B-POWER should not be made due to the possibility of following crop injury from the residual activity of butafenacil.

The following additional guidance must be followed to ensure that application quality is maximised.

### Adjuvants

The following adjuvants can be used with B-POWER Herbicide.

Adjuvant	Use Rate (L/100L of spray water)
Alkylaryl ethoxylates (e.g. <b>Agral</b> <sup>®</sup> )	250 mL
Alcohol alkoxyates (e.g. <b>BS1000</b> )	250 mL
Soyal phospholipid/propionic acid based surfactants (e.g. <b>LI 700*</b> , <b>MSO with Leci-Tech</b> )	250 to 350 mL
Esterified and emulsified vegetable oil based products (e.g. <b>Adigor</b> <sup>®</sup> , <b>Hasten*</b> )	500 to 1000 mL

## Water Rate

The total spray volume used when B-POWER is applied should be carefully considered to maximise coverage. Improved water rates generally lead to better coverage of target weeds and as such improved control with contact herbicides such as B-POWER.

Low weed densities and minimal plant shading	High weed densities or moderate to high plant shading	Applied Water Volume (L/ha)
Plant height to 5 cm	Not recommended	75 to 150 L/ha
Plant height to 10 cm	Plant height to 5 cm	100 to 150 L/ha

## Re-cropping Intervals

B-POWER can be applied prior to the sowing of winter cereals, canola, lupins, lentils, chickpeas, field peas and faba beans. The minimum interval to sowing is 1 hour, except if the conditions specified below are not met.

When used less than 14 days prior to the sowing of a broadleaf crop, it is important that seeding equipment is correctly set up to ensure good separation of soil that may have been treated with B-POWER. It is especially important to ensure that the planting equipment does not drag treated soil back into the seeding trench.

Wet conditions at seeding, particularly with clay based soils, that result in seeding equipment smearing the furrow wall are also at risk of soil treated with butafenacil coming into contact with the emerging crop. This has the potential to reduce crop density but is unlikely to result in ongoing retardation of crop growth. In this case, the seeding operation should be delayed by at least 14 days or until adequate seed separation can be achieved.

Disc-seeding systems **MUST NOT** be used for the sowing of broadleaf crops, particularly canola, when B-POWER has been used in the 14 days prior to seeding.

## Clean up

Thoroughly clean the sprayer using the following procedure when you have finished spraying.

**Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using this procedure. Wear appropriate protective clothing.**

1. Flush tank, hoses, boom and nozzles with clean water.
2. Prepare a cleaning solution of either 250 mL of ALL CLEAR DS per 100 L of water or 300 mL of household chlorine bleach (containing 4% chlorine) per 100 L of water. Ensure bleach used is fresh as it can degrade significantly over time resulting in a reduction in cleaning ability.
3. When available, use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface and lid.
4. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system and in cases where there is the possibility of heavy build-up of residues, the cleaning solution may need to be left in the tank overnight to ensure adequate decontamination of the tank.
5. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
6. Dispose of rinsate from steps 1 to 5 in an appropriate manner.
7. **Repeat steps 2 to 5.**
8. Remove nozzles, screens, and strainers and clean separately in the cleaning solution after completing the above procedures. Be careful with filters, as they can be a main source of contamination.
9. Rinse the complete spraying system with clean water.

**The above method is only effective if the cleaning solution comes into contact with every surface or contact point that may contain even minute butafenacil herbicide residues.**

## Compatibility

B-POWER is compatible with any one of the following products:

SPRAY.SEED (paraquat + diquat), GRAMOXONE 360 PRO (360 g/L paraquat), GRAMOXONE 250 (250 g/L paraquat), BOXER GOLD® (pro sulfocarb + S-metolachlor), ARCADE® (pro sulfocarb), Triflur X\* (trifluralin), Avadex\* Xtra (triallate), Sakura\* (pyroxasulfone), LOGRAN 750WG (triasulfuron), GESAPRIM® (atrazine), GESATOP® (simazine), DUAL GOLD® (S-metolachlor), metribuzin, diuron, Balance\* (isoxaflutole), 2,4-D Ester 680.

B-POWER is compatible with the following combinations of products:

BOXER GOLD (pro sulfocarb + S-metolachlor) + Alpha-Scud\* (alpha-cypermethrin), BOXER GOLD (pro sulfocarb + S-metolachlor) + 2,4-D Ester 680.

As formulations of other manufacturer's products are beyond the control of Syngenta, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

B-POWER must NOT be tank mixed with LOGRAN B-POWER.

## Resistant Weeds Warning

<b>GROUP</b>	<b>G</b>	<b>HERBICIDE</b>
--------------	----------	------------------

B-POWER Herbicide is a member of the pyrimidiniones group of herbicides. B-POWER has the inhibitor of protoporphyrinogen oxidase mode of action. For weed resistance management B-POWER is a Group G herbicide. Some naturally occurring weed biotypes resistant to B-POWER and other Group G herbicides 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 B-POWER or other Group G herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of B-POWER to control resistant weeds.

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

DO NOT apply under weather conditions or from spraying equipment which may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply or drain or flush equipment on or near trees or other plants or on areas where their roots may extend or in location where the chemical may be washed or moved into contact with their roots.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well ventilated locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight.

### **For non-refillable containers:**

Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

### **For refillable containers:**

Empty contents fully into application equipment. Close all valves and return to point of supply/designated collection point for refill or storage.

## SAFETY DIRECTIONS

Will irritate the eyes and skin. May irritate the nose and throat. Avoid contact with eyes and skin. DO NOT inhale vapour. When opening the container and preparing spray, wear

- cotton overalls buttoned to the neck and wrist,
- a washable hat,
- elbow-length chemical resistant gloves,
- goggles and
- half face-piece respirator.

If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles, respirator and if rubber wash with detergent and water, and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.

If swallowed, DO NOT induce vomiting.

**Warning:** May be fatal if swallowed and enters airways.

## SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at [www.syngenta.com.au](http://www.syngenta.com.au)

Suspected of causing cancer.
------------------------------

## DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

Product names marked ® or ™, the ALLIANCE FRAME  
the SYNGENTA Logo and the PURPOSE ICON  
are Trademarks of a Syngenta Group Company

