

POISON

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

Terbutrex® Herbicide



ADAMA
ESSENTIALS

ACTIVE CONSTITUENT: 500 g/L TERBUTRYN
SOLVENT: 75 g/L ETHYLENE GLYCOL

GROUP **C** HERBICIDE

Controls certain early competing broadleaf weeds in wheat, barley, triticale, pastures and some varieties of oats and field peas as specified in the Directions for Use table.

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NET CONTENTS: 5 L, 10 L, 20 L

DIRECTIONS FOR USE

RESTRAINTS: DO NOT APPLY THIS PRODUCT WHEN TEMPERATURES ARE GREATER THAN 18°C FOR THE DAY PRIOR TO, THE DAY OF AND FOR 4 DAYS FOLLOWING APPLICATION.

DO NOT spray under dry frosty conditions or if very dry conditions prevail.

DO NOT spray if weeds or crop/pastures are affected by insects, disease, dust or adverse weather conditions.

DO NOT add wetting agents or crop oils.

DO NOT use main or nozzle filters finer than 50 mesh for tank mixes.

DO NOT tank mix with selective grass herbicides.

DO NOT apply tank mixture of TERBUTREX® plus Lonestar® 750WG if another Group B herbicide (ASL inhibitor) has been used during the current season.

IF RAIN FALLS within 6 hours of application, the effect could be diminished.

CROP	WEEDS CONTROLLED	STATE	RATE /ha	CRITICAL COMMENTS
Barley, some varieties of Oats, Triticale Wheat from 3 leaf to early tillering stage	Amsinckia (Yellow Burrweed), Capeweed, Corn Gromwell (Sheep Weed or White Iron Weed), Deadnettle, Fumitory (Common, White and Dense Flowered), Paterson's Curse, Toad Rush – 2 to 6 leaves	NSW, Vic only	550 to 850 mL	Use the highest rate when Deadnettle or Toad Rush is the major problem. Apply by boom spray or aircraft.
	The above weeds in addition to Charlock, Doublegee (Three-cornered Jack), Hedge Mustard, Hexham Scent, Indian Hedge Mustard, Turnip Weed, Wild Turnip – 2 to 6 leaves		550 to 850 mL + 300 mL of a 500 g/L 2,4-D (as amine) or 300 mL of a 500 g/L MCPA as a tank mix	DO NOT add MCPA or 2,4-D if undersown Medics are present. Apply by boom spray or aircraft. Use the highest rate when Deadnettle, Doublegee (Three-cornered Jack) or Toad Rush is the major problem.
	<i>Plagiobothrys canescens</i> – 2 to 6 leaves		850 mL	
	Turnip Weed	NSW only	300 mL + 6.5 g Lonestar® 750WG	Spray when weeds are in the 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for Vetch), except 2 to 4 leaf for Doublegee. Use rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing. Spray only after good rain and when top soil is moist. Best results are obtained when good soil moisture has been present since planting.

CROP	WEEDS CONTROLLED	STATE	RATE /ha	CRITICAL COMMENTS	
Barley, some varieties of Oats, Triticale Wheat from 3 leaf to early tillering stage – <i>continued</i>	Hedge Mustard, Indian Hedge Mustard, London Rocket, Wild Turnip	NSW only	300 mL + 6.5 g Lonestar 750WG to 440 mL + 10 g Lonestar 750WG	Spray when weeds are in the 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for Vetch), except 2 to 4 leaf for Doublegee. Use rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing. Spray only after good rain and when top soil is moist. Best results are obtained when good soil moisture has been present since planting.	
	Black Bindweed (Climbing Buckwheat), Faba Bean (volunteer), Field Pea (volunteer), Medic, Shepherds Purse		440 mL + 10 g Lonestar 750WG		
	Deadnettle, Mexican Poppy, Wild Radish		440 mL + 10 g Lonestar 750WG to 600 mL + 13 g Lonestar 750WG		
	Coreopsis, Sunflower (volunteer), Vetch		600 mL + 13 g Lonestar 750WG		
	Paterson's Curse, Turnip Weed	Vic only	300 mL + 6.5 g Lonestar 750WG		
	Hedge Mustard, Indian Hedge Mustard, Wild Turnip		300 mL + 6.5 g Lonestar 750WG to 440 mL + 10 g Lonestar 750WG		
	Crassula, Faba Bean (volunteer), Hyssop Loosestrife, Medic, Prickly Lettuce (Whipthistle)		440 mL + 10 g Lonestar 750WG		
	Deadnettle, Field Pea (volunteer), Wild Radish		440 mL + 10 g Lonestar 750WG to 600 mL + 13 g Lonestar 750WG		
	Lupins (volunteer), Vetch, Wireweed (less than 3 leaves) suppression		600 mL + 13 g Lonestar 750WG		
	Turnip Weed		Qld only		300 mL + 6.5 g Lonestar 750WG
	Denseflower Fumitory, Indian Hedge Mustard, Smallflower Fumitory, Wild Turnip				300 mL + 6.5 g Lonestar 750WG to 440 mL + 10 g Lonestar 750WG
	Black Bindweed (Climbing Buckwheat), London Rocket	440 mL + 10 g Lonestar 750WG			
	Wild Radish	440 mL + 10 g Lonestar 750WG to 600 mL + 13 g Lonestar 750WG			
	Coreopsis, Corn Gromwell (Sheepweed or White Ironweed)	600 mL + 13 g Lonestar 750WG			
	Amsinckia (Yellow Burrweed), Capeweed, Corn Gromwell (Sheep Weed or White Iron Weed), Deadnettle, Doublegee (Three-cornered Jack), Fumitory (Common, White and Dense Flowered), Rough Poppy, Salvation Jane, Toad Rush – 2 to 6 true leaves	SA only	550 to 850 mL		DO NOT add MCPA or 2,4-D if undersown Medics are present. Apply by boom spray or aircraft. Use the highest rate when Deadnettle, Doublegee (Three-cornered Jack) or Toad Rush is the major problem. DO NOT apply to disease infected wheat as yellowing may occur.
The above weeds in addition to Charlock, Hedge Mustard, Hexham Scent, Indian Hedge Mustard, Mallee Catch-Fly, Turnip Weed, Wards Weed, Wild Turnip – 2 to 6 true leaves	550 to 850 mL + 300 mL of a 500 g/L 2,4-D (as amine) or 300 mL of a 500 g/L MCPA as a tank mix				
Faba Beans (volunteer), Long Fruited Turnip, Long Headed Poppy, Paterson's Curse, Turnip Weed		300 mL + 6.5 g Lonestar 750WG	Spray when weeds are in the 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for Vetch), except 2 to 4 leaf for Doublegee. Use rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing. Spray only after good rain and when top soil is moist. Best results are obtained when good soil moisture has been present since planting.		
Hedge Mustard, Indian Hedge Mustard, Wild Turnip		300 mL + 6.5 g Lonestar 750WG to 440 mL + 10 g Lonestar 750WG			
Ball Mustard, Crassula, Medic, Prickly Lettuce (Whipthistle)		440 mL + 10 g Lonestar 750WG			
Field Peas (volunteer), Wild Radish		440 mL + 10 g Lonestar 750WG to 600 mL + 13 g Lonestar 750WG			
Doublegee (Spiny Emex, Three-cornered Jack), Lupins (volunteer), Vetch, Wireweed (less than 3 leaves) suppression		600 mL + 13 g Lonestar 750WG			

CROP	WEEDS CONTROLLED	STATE	RATE /ha	CRITICAL COMMENTS
Barley, some varieties of Oats, Triticale Wheat from 3 leaf to early tillering stage – <i>continued</i>	Capeweed, Corn Gromwell, Fumitory, Yellow Burrweed – 2 to 6 true leaves Doublegee (Three-cornered Jack), Toad Rush – 1 to 3 leaves	WA only	850 mL	Spray when weeds are in the 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for Vetch), except 2 to 4 leaf for Doublegee. Use rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing. Spray only after good rain and when top soil is moist. Best results are obtained when good soil moisture has been present since planting.
	The above weeds in addition to Indian Hedge Mustard, London Rocket, Lupin, Wild Radish and Wild Turnip – 2 to 6 true leaves		550 to 850 mL + 600 mL of a 500 g/L MCPA as a tank mix	Use the highest rate when Fumitory is the major problem weed in addition to Wild Turnip, Indian Hedge Mustard, London Rocket, Lupin and Wild Radish.
	Turnip Weed		300 mL + 6.5 g Lonestar 750WG	Spray when weeds are in the 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist.
	Denseflower Fumitory, Hedge Mustard, Smallflower Fumitory		300 mL + 6.5 g Lonestar 750WG to 440 mL + 10 g Lonestar 750WG	Spray only when weeds are actively growing. Spray only after a good rain and when top soil is moist.
	Ball Mustard, Field Pea (volunteer)		440 mL + 10 g Lonestar 750WG	Best results are obtained when good soil moisture has been present since planting.
	Deadnettle		440 mL + 10 g Lonestar 750WG to 600 mL + 13 g Lonestar 750WG	
	Australian Crassula, Doublegee (Spiny Emex, Three-cornered Jack), Lupins (volunteer)		600 mL + 13 g Lonestar 750WG	Spray only after a good rain and when top soil is moist. Best results are obtained when good soil moisture has been present since planting.
Pastures Use on mixtures of either/or Sub Clover (min. of 3 to max. of 10 leaves), Balansa Clover (established plants), White Clover (min. of 5 to max of 10 leaves) with either/ or Ryegrass, Phalaris, Cocksfoot (min. 3 leaves)	Capeweed (seedling to 10 cm diameter), Paterson's Curse (seedling to 10 cm diameter)	NSW, Vic, Tas only	550 to 700 mL	Apply by boom spray or aircraft. Use the lowest rate early in the season or when weeds are small and young. Increase rate as weed size and age increases. Early germinating Paterson's Curse with strong root systems may not be controlled. Some temporary damage may be seen on clover if adverse growing conditions occur at and after spraying. Where a selective grass herbicide or simazine is to be or has been used, TERBUTREX should not be used in the same season. See Pasture Safety section General Instructions.
	Capeweed (seedlings to 20 cm diameter), Crassula (1 to 5 cm diameter), <i>Erodium botrys</i> (seedlings to 8 cm diameter), Paterson's Curse (seedlings to 20 cm diameter), Toad Rush (1 to 5 leaves)		400 to 700 mL plus 300 to 500 mL of MCPA 500 amine as a tank mix	
Field Peas	Amsinckia (Yellow Burrweed), Capeweed, Common Fumitory, Corn Gromwell (Sheep Weed or White Iron Weed), Deadnettle, Paterson's Curse, Toad Rush	Vic only	700 to 850 mL	Apply as an early post-emergent application when the peas are 10 to 12 cm high and have developed 3 to 5 nodes. Weeds should be young and actively growing and in the 4 to 5 true leaf stage. Use rates towards the higher end of the scale when Deadnettle is the major problem and when weeds are in the 6 true leaf stage. Where a selective grass herbicide is to be used, apply TERBUTREX before the application of the selective herbicide.
Canning Peas (Green Peas, Vining Peas, Processing Peas)	Blackberry Nightshade, Capeweed, Chickweed, Common Fumitory, Corn Gromwell, Deadnettle, Fat Hen, Paterson's Curse, Toad Rush, Yellow Burrweed	Tas only	750 mL to 1 L	Apply as an early post-emergent application when the peas are 10 to 12 cm high and have developed 3 to 6 nodes and the weeds are young and actively growing and in the 2 to 4 true leaf stage. Use rates towards the higher end of the scale when Deadnettle and Blackberry Nightshade are the major problems.

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

WITHHOLDING PERIODS:

FIELD PEAS, CANNING PEAS:

PEA FODDER AND FORAGE:

PASTURES:

CEREALS:

CEREALS:

DO NOT APPLY WITHIN 4 WEEKS OF HARVEST.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

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TERBUTREX ALONE AND TERBUTREX HERBICIDE PLUS MCPA OR 2,4-D AS A TANK MIX:

DO NOT CUT OR GRAZE FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

TERBUTREX PLUS TRIASULFURON WG TANK MIX:

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Important

- Spray only after good rain and when topsoil is moist and when weeds are actively growing.
- Best results are obtained when good soil moisture has been present since planting.
- DO NOT apply during dry or waterlogged conditions.

RESISTANT WEEDS WARNING

TERBUTREX® Herbicide is a member of the **GROUP C HERBICIDE** triazine group of herbicides and has the photosystem II photosynthesis inhibitor mode of action. For weed resistance management TERBUTREX is a Group C herbicide.

Some naturally occurring weed biotypes resistant to TERBUTREX and other Group C 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 this product or other Group C herbicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant weeds is difficult to detect prior to use, Adama Australia Pty. Ltd. accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or a Adama representative.

CROP SAFETY

DO NOT apply this product to Avon, Saia, Barmah and Cassia varieties of oats. Before applying to other varieties of oats, growers should seek advice from Adama Australia Pty. Ltd. for crop safety information. Undersown Medics and American Lucerne varieties may be damaged if sprayed. With early and late sown crops damage may occur if spraying is undertaken when temperatures are greater than 18°C. Avoid spraying crops prior to May and from mid-August onwards as daily temperatures and weed size may not be satisfactory. Early sown crops should not be sprayed before the onset of frost and cooler weather.

PASTURE SAFETY

DO NOT apply this product to pasture species other than those stated in the Directions for Use.

DO NOT apply to medics and lucerne as damage may occur.

DO NOT apply on pastures prior to May or after mid-August or when temperatures are greater than 18°C for the day prior to, the day of and for 4 days following application as pasture damage may occur.

DO NOT apply prior to or following the use of a grass selective herbicide or simazine in the same season as damage to pasture may occur.

DO NOT use in situations where oversowing or pastures may occur.

Pastures which contain young species should be sprayed using the lower label rates. Increase product rate as pasture age and size increases.

Only apply this product when conditions at and following application are favourable to pasture growth.

MIXING

Shake well before use. Strain the product to remove any flakes or dry particles which may have formed in hot storage conditions. Half fill spray tank and then add concentrate. Mix well and complete filling of the tank. Keep the spray mix agitated during spraying. Agitate vigorously if allowed to stand. Seal part used container immediately. If tank mixing, add TERBUTREX to the spray tank first, then other products. Maintain constant agitation and use immediately.

APPLICATION

Ground Application:

Boom spray with flat fan nozzles. Ensure good spray coverage is obtained. Aim to apply 50 to 100 L per hectare.

Aircraft Application:

Always spray in a cross wind of less than 5 knots, or use smoke generator to indicate air movements. Ensure good spray coverage is obtained. For maximum coverage use fine nozzles. Apply 20 to 30 L per hectare.

CROP ROTATION GUIDELINES

TERBUTREX plus triasulfuron WG tank mixture

The following crops can be planted after:

In areas where pH is less than 7.5

– 9 months after an application: barley, cereal rye, chickpeas, faba beans, field peas, lupins, medics, oats, canola, safflower, subclover, triticale, wheat.

In areas where pH is greater than 7.5

– 9 months after an application: barley, cereal rye, oats, triticale, wheat.

– 14 months after an application: cotton, maize, sorghum, soybeans, sunflowers. Where residual herbicides are applied following an application of TERBUTREX plus triasulfuron WG, the crop rotational guidelines for these products must be followed.

– 22 months after an application: chickpeas, faba beans, field peas, lupins, medics, canola, safflower, subclover. For all other crops advice should be sought from Adama Australia Pty. Ltd.

COMPATIBILITY

This product is compatible with 2,4-D Amine, MCPA 500 Amine (not LVE), Lonestar® 750WG/Logran* 750WG, Cutlass® 500, Cutlass® M, Cadence*, Lynx® WG, and Suprathion®.

PRECAUTION

Re-entry period: DO NOT enter treated area until spray has dried.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT use in situations where off-target damage may occur, eg. vines, tree crops. If using 2,4-D amine or MCPA apply with equipment which will not be used in hormone susceptible crops, particularly cotton and vines. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift over nearby susceptible plants or crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area as cool as possible, out of direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemicals on-site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots in compliance with the relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Avoid contact with skin. Repeated exposure may cause allergic disorders. When using the product wear elbow-length PVC gloves. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use, wash gloves.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

MSDS

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for TERBUTREX is available from Adama on request. Call Customer Service on (02) 9431 7800.

CONDITIONS OF SALE: The use of TERBUTREX® Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia Pty. Ltd. regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

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Batch No.

Date of Manufacture