

POISON

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

ALBAUGH BOGEN 600 EC HERBICIDE

ACTIVE CONSTITUENT: 600 g/L TRICLOPYR present as the butoxyethyl ester

GROUP4HERBICIDE


For the control of various woody and broadleaf weeds as specified in the Directions for Use.
IMPORTANT: READ THE ATTACHED LEAFLET/BOOKLET BEFORE USE

ALBAUGH AUSTRALIA PTY LTD
Level 1, 530 Little Collins Street,
Melbourne VIC 3000
Australia
Tel 03 9909 7183
www.albaugh.com/au


A⁺

QUALITY

AMERICAN STANDARD

SELECTIVE HERBICIDE

Manufactured globally to an American standard.



DIRECTIONS FOR USE
RESTRAINTS
DO NOT spray blackberry suffering from drought stress.
DO NOT burn off, cut or clear blackberry or other woody weeds for at least six months after spraying. In Tasmania for blackberry, DO NOT treat bushes carrying mature fruit or near mature fruit.
SPRAY DRIFT RESTRAINTS
Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift
DO NOT allow bystanders to come into contact with the spray cloud.
DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.
DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

1) HIGH VOLUME SPRAYING					
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS RIGHTS-OF-WAY PASTURES and FORESTS				
Weeds Controlled	State	General Rate /100L Water	Knapsack Rate /15L Water	Critical Comments	
Blackberry	Qld, NSW, Vic, SA, WA only	170mL	25mL	Apply from late spring to early autumn when bushes are actively growing. Best results are achieved from application made between January and April. One application may give satisfactory control but subsequent regrowth and seedlings should be resprayed after hardening off. Do not use this product under extremely dry conditions as considerable regrowth may occur. Thorough coverage is essential; however, avoid excess spraying which is wasteful of chemical. Where herbicides other than Albaugh BOGEN 600 EC or Grazon DS have been used, allow two seasons regrowth to occur before re-spraying with Albaugh BOGEN 600 EC or Grazon DS.	
	Tas only	170mL	15 or 25mL	Apply from petal fall to leaf fall except when bushes are carrying mature fruit. Application from mid-fruit stage to leaf fall may give improved control. Use the higher rate on large bushes when complete wetting is difficult.	
Seeding Camphor laurel (up to 3m tall), English Broom	All States	170mL	25mL	Thoroughly spray foliage when growth is active.	
Green cestrum	Qld, NSW, Vic only				
Brooms					

1) HIGH VOLUME SPRAYING (cont)				
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS RIGHTS-OF-WAY PASTURES and FORESTS			
Weeds Controlled	State	General Rate /100L Water	Knapsack Rate /15L Water	Critical Comments
Eucalyptus (seedlings and regrowth from small lignotubers), Banksia, Angophora Wattles, (including Silver and Black Wattle), Groundsel Bush	All states	400 or 560mL 160 or 320mL	60 or 90mL 25 or 50mL	Ensure plant has good coverage on foliage. Thoroughly spray foliage when growth is active. Apply the high rate in Vic, Tas, Southern NSW and where difficult to kill species are present. NSW only: Apply to actively growing re-growth, which is less than 5 years old and under 3m tall. Thoroughly spray foliage when growth is active. Use the lower rate on young seedlings and the high rate on plants more than 2m tall. NSW only: For wattles apply to actively growing regrowth which is less than 5 years old and under 3m tall.
Brigalow	Qld, NSW only	170mL	25mL	Overall high volume spray in 1000L of water/ha. See also Air Blast Spraying.
Gorse	All states	170 or 340mL	25 or 50mL	Apply from spring to mid-summer. Use the high rate on old hard plants. Add a non-ionic wetting agent at a rate of 125mL/100L. Do not burn bushes for at least 6 months following treatment. Re-treatment of growth may be necessary.
Common Prickly Pear Smooth Tree Pear	All states	3L	450 mL	Apply as a thorough foliar spray.
Common Prickly Pear, Tiger Pear, Smooth Tree Pear	All states	1L per 75L diesel	450mL	Mix this re with diesel only and apply as a thorough foliar spray.
St Johns Wort	NSW, Vic, Tas only	170 mL	25 mL	Apply as a thorough foliar spray.
Fennel, African Boxthorn, Horehound, Broom	Tas only	170 mL	25 mL	Apply as a thorough foliar spray.
Saffron Thistle (up to bud stage) Capeweed		80 mL	12mL	Apply as a thorough foliar spray.

2) AIR BLAST SPRAYNG (MISTBLOWER) DO NOT spray within 1km of susceptible crops.			
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS IN NON-URBAN AREAS RIGHTS-OF-WAY PASTURES and FORESTS		
Weeds Controlled	State	Rate	Critical Comments
Eucalyptus	All states	320mL/10L of water	Apply during active growth to give full coverage of foliage and stems. NSW only: For Eucalyptus apply only to actively growing regrowth which is less than 5 years old and 3m tall.
Blackberry			
Brigalow	Qld, NSW only		

3) AERIAL APPLICATION (HELICOPTER - NSW, Vic, Tas, SA, WA) (HELICOPTER OR FIXED WING - Qld only)			
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS IN NON-URBAN AREAS RIGHTS-OF-WAY PASTURES and FORESTS		
Weeds Controlled	State	Rate	Critical Comments
Blackberry	All states	4.8L in 100 to 200L of water/ ha	Spray with properly calibrated helicopter using the half overlap opposite pass technique. Nozzle combination should not be less than DW45. Spraying in wind in excess of 10km/hr and temperature above 25°C is not recommended.

4) CONTROLLED DROPLET APPLICATION			
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS RIGHTS-OF-WAY PASTURES and FORESTS		
Weeds Controlled	State	Rate	Critical Comments
Blackberry	All states	170mL/1L of water	Results similar to high volume spraying can be obtained using Micron Herbi (1) or similar equipment. Select a nozzle and give a flow rate of 2mL/sec and pass speed approximately 1m/sec and ensure a droplet density of 20/cm². A marking agent should be used to check spray coverage. Consult directions provided with CDA equipment.

5) LOW VOLUME HIGH CONCENTRATE APPLICATION TECHNIQUES Gas gun & Sprinkler Sprayer			
SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS RIGHTS-OF-WAY PASTURES and FORESTS		
Weeds Controlled	State	Rate	Critical Comments
Blackberry	All states	1L/ 35L of water	Good control will be achieved similar to high volume application where bush size enables good coverage of entire bush.
Eucalyptus seedlings		1L/ 25L of water	Use of a marking agent is recommended to check spray coverage. NSW only: For Eucalyptus apply only to actively growing regrowth which is less than 5 years old and 3m tall.

6) BOOM SPRAYING

SITUATION	FALLOW, STUBBLE, FIREBREAKS		
Weeds Controlled	State	Rate	Critical Comments
Paddy Melon (<i>Cucumis myriocarpus</i>)	NSW, SA, Vic, WA, Qld only	80 or 160mL + 1% v/v DC-Tron cop oil /ha (*)	Use the higher rate on plants greater than 20cm in diameter. Do not spray stressed plants. * Note: 1% v/v equals 1L DC-Tron per 100L of water
Afghan, Bitter or Camel Melon (<i>Citrullus lanatus</i>)		120 or 160mL + 1% v/v DC-Tron cop oil /ha (*)	

7) BASAL BARK and CUT STUMP TREATMENT

SITUATION	COMMERCIAL AND INDUSTRIAL SITUATIONS RIGHTS-OF-WAY PASTURES and FORESTS		
Weeds Controlled	State	Rate /100L Water	Critical Comments
Australian Blackthorn	All states	1L/60L diesel distillate	BASAL BARK SPRAY For the treatment of suckers and seedlings up to 5cm basal dimeter (up to 10cm for Tree of Heaven and Camphor Laurel). Spray or paint bark round stem to 30cm wetting thoroughly. Old rough bark may require more thorough spraying than young smooth bark. CUT STUMP Apply to freshly cut stumps of suckers and seedlings more than 5cm in basal diameter. Best results are obtained when stems are cut to within 15cm of ground level. Apply liberally by spraying or painting cut surface and side stems. Do not treat Australian Blackthorn or Tree of Heaven during the dormant period.
Bitter Bark, Camphor Laurel	Qld, NSW only		
Chinese Apple, Eucalyptus (except, Dawson Gum), False sandalwood, Green Wattle, Lantana, Needlewood, Paperbark, Teatree, Rubbervine, Silver Wattle, Tree of Heaven, Castor Oil	All states		
Broom	Tas only	1L/48L diesel distillate	
Brown Salwood	All states	1L/120L diesel distillate	For Basal Bark spray treatment of suckers up to 5cm basal diameter, treat as above. Use cut stump treatment, as above for larger plants.
Prickly Acacia, Groundsel Bush			For Basal Bark spray treatment of suckers up to 10cm basal diameter, treat as above. Use cut stump treatment, as above for larger plants. Treat from early summer rains to end of April when regrowth is apparent.
Sweet Briar African Boxthorn		1L/30L diesel distillate	For Basal Bark spray treatment of suckers up to 5cm basal diameter, treat as above. Use cut stump treatment, as above for larger plants. Do not treat Sweet Briar and African Boxthorn during the dormant period.
Dawson Gum Yellow Wood	Qld only		
Olive	SA only	1L/30L diesel distillate	Cut Stump: Apply immediately to freshly cut surface of stump.
	NSW only	1L/14L diesel distillate	Cut Stump: Cut stump as close to ground level as possible and immediately swab the cut surface. Basal Bark: Apply mixture with low-pressure sprayer to the base of stems from ground level to 30cm high
Privet	All states	1L/12L diesel distillate	For Basal Bark treatment of plants up to 10cm basal diameter, treat as above. Use Cut Stump treatment as above for larger plants. Treatment may be carried out at any time of year.

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

WITHHOLDING PERIODS
NOT REQUIRED WHEN USED AS DIRECTED
GENERAL INSTRUCTIONS
MIXING

Only mix sufficient chemical for each day's work. Re-mix after extended periods of settling. PVC gloves are not recommended for Albaugh BOGEN 600 EC Herbicide. Therefore, when tank mixing with products that need to be handled with PVC gloves, workers should wear nitrile gloves.

HIGH VOLUME SPRAYING

This product mixes easily with water. Pour the measured quantity into the partially filled spray tank and add the remainder of the water. Agitate thoroughly during filling, while spraying and before re- commencing spraying after a stoppage.

BASAL BARK AND CUT STUMP TREATMENT

Add the required amount of diesel distillate in the spray tank with agitators running and mix thoroughly. When using Albaugh BOGEN 600 EC Herbicide with diesel, nitrile gloves should be worn instead of rubber gloves.

Dilution rates for the cut stump and basal bark treatments: (see also Directions for Use table)

Weeds	Dilution	Amount of Albaugh BOGEN 600 EC	Volume of spray mixture made up with diesel to: litres	Concentration of triclopyr g/L
Privet	1 – 12	420mL	5	50
		1.25L	15	50
		8.3L	100	50
Olive (NSW only)	1 – 14	360mL	5	43
		1.1L	15	43
		7.2L	100	43
Sweet Briar, African Boxthorn, Dawson Gum, Yellow wood, Olive (SA only)	1 – 30	170mL	5	20
		500mL	15	20
		3.3L	100	20

Dilution rates for the cut stump and basal bark treatments: (see also Directions for Use table) (cont)

Weeds	Dilution	Amount of Albaugh BOGEN 600 EC	Volume of spray mixture made up with diesel to: litres	Concentration of triclopyr g/L
Broom (Tas only)	1 -46	105mL	5	12.5
		315mL	15	12.5
		2.1L	100	12.5
Majority of species including eucalyptus, wattle, tea-tree, Rubbervine, tree of heaven (see directions for use table)	1 – 60	85mL	5	10
		250mL	15	10
		1.7L	100	10
Brown salwood, prickly acacia, groundsel bush	1- 120	45mL	5	5
		125mL	15	5
		850mL	100	5

FOR NSW ONLY:

WITH THE EXCEPTION OF REGROWTH LESS THAN 5 YEARS OLD AND UNDER 3 METRES TALL, THE CLEARING OF MORE THAN 5 HECTARES OF TREES BY AERIAL, GROUND OR SPOTGUN APPLICATION IN NSW IS PROHIBITED, UNLESS SPECIFICALLY AUTHORISED BY PERMIT. THIS RESTRICTION DOES NOT APPLY TO WOODY WEEDS.

When using spray equipment for basal bark and cut stump application use low pressure up to 200kPa maximum. Minimise spray drift from high volume application by using low pressure and nozzles, which do not give a fine droplet size.

Delay treatment until all regrowth has had time to emerge on bulldozed or ploughed areas. After use, clean equipment thoroughly and rinse several times prior to re-use.

Discharge washings on non-crop, non-pasture lands away from water supply and homes. Keep container tightly closed.

Equipment that has been used for application of this chemical shouldn't be used for application of other materials to sensitive plants.

Application

Apply with hand directed equipment such as high volume spraying equipment, knapsack sprayer, knapsack misting machines with the following exceptions:

Mistblower: Eucalyptus, Blackberry, Brigalow only

Aircraft: Blackberry only

Controlled Droplet Application (CDA): Blackberry only

Gas Gun, Sprinkler Sprayer: Eucalyptus seedlings only

Boomsprayer: Paddy Melon, Afghan, Bitter or Camel Melon only

RESISTANT WEEDS WARNING

GROUP	4	HERBICIDE
-------	---	-----------

Albaugh BOGEN 600 EC Herbicide is a member of the pyridyloxy-carboxylate group of herbicides. Albaugh BOGEN 600 EC Herbicide has the disruptors of plant cell growth mode of action. For weed resistance management, Albaugh BOGEN 600 EC Herbicide is a Group 4 herbicide.

Some naturally occurring weed biotypes resistant to Albaugh BOGEN 600 EC Herbicide and other Group 4 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 Albaugh BOGEN 600 EC Herbicide or other Group 4 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Albaugh Australia Pty Ltd accepts no liability for any losses that may result from the failure of Albaugh BOGEN 600 EC Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Albaugh BOGEN 600 EC Herbicide is damaging to vines, vegetables, cotton, tomatoes, ornamentals and many other plants during both growing and dormant periods. Grasses are normally unaffected and establish quickly after treatment. DO NOT allow spray drift onto susceptible crops, such as cotton, tomatoes, vines, fruit, potatoes, vegetables, ornamentals, tobacco, lupins, and other legumes, safflower, flowers, shade trees and *Pinus* spp.

DO NOT apply under meteorological conditions or from spraying equipment, which could be expected to cause spray drift onto nearby susceptible plants.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers, watercourses, water used for irrigation, drinking or other domestic purposes with the chemical or used container.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight.

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 for appropriate disposal 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 for refill or storage.

SAFETY DIRECTIONS

Poisonous if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrists, a washable hat and elbow-length rubber gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS) which is available from the supplier and accessible from the Albaugh website albaugh.com/au

TERMS AND CONDITIONS OF SUPPLY, SALE AND USE

Many factors can affect or influence the activity of this product, including, but not limited to: weather and soil conditions, crop variety, treatment timing, water volume, application rates, spraying techniques, crop rotation, regional factors, and the occurrence and development of strains resistant to the active ingredient. Under certain circumstances, changes in activity or crop damage can occur. The manufacturer or supplier is unable to accept liability in these circumstances. All goods supplied by us are of a high grade and we believe them to be suitable for the purpose for which we expressly supply them: but we cannot exercise any control over their mixing, use or application which may affect the performance of the goods. All conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application, or use. These conditions cannot be varied by our staff, agents, or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

APVMA Approval Number: 94156/141713