

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

Bobcat® Combi WG

Herbicide

ACTIVE CONSTITUENTS:

468 g/kg DIURON

132 g/kg HEXAZINONE

GROUP **5** HERBICIDE

For the control of a wide range of annual and perennial grasses, broadleaf weeds and vines in established Sugarcane as specified in the Directions for Use table

Formulation type
Water Dispersible
Granule

WG



ADAMA

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CONTENTS: 1 - 1000 kg

DIRECTIONS FOR USE

Restraints: DO NOT spray over sugarcane or allow excessive spray contact as crop injury may result.
DO NOT use equipment or spraying methods which cause spray or spray drift to contact the growing point of the sugarcane.
DO NOT replant treated areas to any other crop within two years after last application as injury to subsequent crop may result.
DO NOT use on light sandy soils as injury to cane may result.
DO NOT use in water-logged areas.
DO NOT use in young plant cane.
DO NOT apply if greater than 50 mm rainfall is expected within 3 days of application.
DO NOT irrigate within 3 days of application.
DO NOT apply to fields where the slope exceeds 3 %.
DO NOT spot spray more than 5 % of total farm areas.
DO NOT apply more than once per calendar year.

SPRAY DRIFT RESTRAINTS

DO NOT apply by air.

DO NOT apply with spray droplets smaller than COARSE spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 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 products used per hectare and number of hectares applied to;
5. Crop/situation and weed/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 when there is non-target vegetation within 200 m downwind from the application area.

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 100 m downwind from the application area.

DIRECTIONS FOR USE – BOBCAT® Combi WG alone

CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Sugarcane	Weed seedlings of <i>Amaranthus</i> spp., Awnless Barnyard Grass, Barnyard Grass, Bluetop (Billygoat Weed), Coast Button Grass, Cobbler's Pegs, Common Sida, Crowsfoot Grass, Green Summer Grass, Guinea Grass, Phyllanthus, Pigweed, Rattlepod, <i>Setaria</i> spp., Square Weed, Summer Grass, Thickhead	Qld, NSW only	4 kg	Ratoon cane (after harvesting): DO NOT apply in the Wet Tropics. DO NOT apply in the Burdekin between 1 December and 29 February. DO NOT apply in Mackay/Whitsunday between 1 November and 31 May. DO NOT apply in Mary-Burnett between 1 November and 31 May. DO NOT apply in NSW between 1 November and 30 April. Apply after harvest and before crop and weed emergence. If applying as a band treatment avoid throwing excessive untreated soil onto the treated bane when inter-row cultivating. DO NOT apply more than 4 kg/ha during the season.
	Weeds as above and including: Bellvine, Common Morning Glory, Cupid's Flower (Star-of-Bethlehem), Common Sensitive Plant, Passion Fruit Vine, Pink Convolvulus, Red Convolvulus		3 - 4 kg	Ratoon and plant cane: APPLY ONLY as a directed band spray over a maximum of 60 % of the crop area. DO NOT apply in the Wet Tropics. DO NOT apply in the between Burdekin 1 January and 29 February. DO NOT apply in Mackay/Whitsunday between 1 November and 31 May. DO NOT apply in Mary-Burnett between 1 November and 29 February. DO NOT apply in NSW between 1 November and 31 March. Apply as directed spray, full width between rows or as a band treatment at last cultivation or close-in to weed free surface. If emerged annual weeds (15 cm or less in height) are present ensure thorough spray coverage is achieved. Use as a directed spray to minimise spray contact with cane plant as injury to cane may result. DO NOT use any more than 4 kg/ha during the season. Treated areas may be replanted to sugar cane one year after last application. DO NOT treat at out-of-hand stage, ratoon blocks that are to be replanted soon after harvest. Some Itch Grass plants germinating from a depth unprotected by the chemical may not be controlled.
	Centro, Giant Sensitive Plant, Itch Grass, Pink Burr, Stinking Passion Flower, Wild Rose	Qld only		
	Guinea Grass	Qld, NSW only	1 kg/100 L	SPOT SPRAY ONLY: Spray when Guinea Grass stools are at least 15 cm high for best results. Wet thoroughly to point of run-off. Avoid contact with adjacent can as crop injury may result.

DIRECTIONS FOR USE – BOBCAT® Combi WG – Paraquat mixtures (Spraytop® 250 SL Herbicide)

Restraints: DO NOT apply through aircraft, misting machines or hand-held low volume controlled droplet applicators (CDA units).
DO NOT spray plants that are water-logged, or under stress or any kind, or covered with soil or dust.
DO NOT spray plants covered with heavy dew, but rain following spraying will not affect results.
DO NOT use in water-logged areas.
DO NOT apply if greater than 50 mm rainfall is expected within 3 days of application.
DO NOT irrigate within 3 days of application.
DO NOT apply to fields where the slope exceeds 3 %.
DO NOT spot spray more than 5 % of total farm areas.
DO NOT apply more than once per calendar year.

SPRAY DRIFT RESTRAINTS

DO NOT apply by air.

DO NOT apply with spray droplets smaller than COARSE spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

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

1. Data with start and finish times of application;
2. Location address and paddock/s sprayed;
3. Full name of this product;
4. Amount of products used per hectare and number of hectares applied to;
5. Crop/situation and weed/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 when there is non-target vegetation within 50 m downwind from the application area.

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 25 m downwind from the application area.

CROP	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Sugarcane	<i>Amaranthus</i> spp., Arsenic Weed, Awnless Barnyard Grass, Barnyard Grass, Bluetop (Billygoat Weed), Calopo Vine, Centro, Coast Button Grass, Cobbler's Pegs, Common Morning-glory, Common Sensitive Plant, Common Sida, Crowsfoot Grass, Cupid's Flower (Star-of-Bethlehem), Giant Sensitive Plant, Green Summer Grass, Guinea Grass, Itch Grass, Milkweed, Passion Fruit Vine, Phyllanthus, Pigweed, Pink Burr, Pink Convolvulus, Rattlepod, Red Convolvulus, <i>Setaria</i> spp., Siratro, Square Weed, Stinking Herbicide Passion Flower, Summer Grass, Thickhead, Wild Rose	Up to 5 cm high	Qld, NSW, WA, NT only	600 g + 1.2 - 1.6 L Spraytop® 250 SL Herbicide	Apply only as directed spray on plant and ratoon cane using an Irvine spray boom (or similar equipment). Complete spray coverage on the weed is essential. For weeds up to 5 cm high, use a minimum spray volume of 250 L/ha.
		Up to 10 cm high		900 g + 1.2 - 1.6 L Spraytop® 250 SL Herbicide	For weeds up to 10 cm high use a minimum spray volume of 350 L/ha. Use the higher rate of Spraytop 250 SL for dense and more mature weeds. Always add Wetspray® 1000 (1000 g ac/L) at 100 mL/100 L of final spray volume (0.1 % volume/volume).

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

BOBCAT® Combi WG is a soil residual, broad spectrum, general herbicide for control of many annual and perennial grasses, broadleaf weeds and vines. Best results occur if BOBCAT® Combi WG is applied shortly before weed growth occurs.

Well established weeds should first be eliminated by mechanical or other means. For best results soil should be well prepared as free as possible from trash and clods. Results vary with soil type (lower rates are effective on lighter soils, higher rates may be necessary for effective control on heavier soils) and environmental conditions. Effects are slow to appear and may not become apparent until sufficient moisture (12-25 mm on moist soils, 25-50 mm on dry soils) in the form of rainfall or irrigation occurs after treatment to carry the chemical into the root zone of the germinating weeds. Best results are obtained if rainfall or irrigation occurs within 3-4 days after application. With irrigation, the entire treated area must be thoroughly wetted; however, care should be taken not to over-water and cause runoff. All dosages of BOBCAT® Combi WG are expressed as overall rates. For band treatment use proportionately less, i.e. use only half of the overall rate when treating one half of the area. Temporary chlorosis of lower leaves may occur. To minimise this injury use low directed spray application. Tolerance of cane variety should be determined before treating large areas.

RESISTANT WEEDS WARNING

BOBCAT® Combi WG Herbicide contains members of the triazinone and urea groups of herbicides. BOBCAT® Combi WG has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management BOBCAT® Combi WG contains Group 5 herbicides. Some naturally occurring weed biotypes resistant to BOBCAT® Combi WG and other Group 5 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 BOBCAT® Combi WG or other Group 5 herbicides. Since the occurrence of resistant individuals is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of BOBCAT® Combi WG to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultants, local Department of Agriculture or Primary Industries, or Adama representative.

GROUP	5	HERBICIDE
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EQUIPMENT AND APPLICATION

Weigh the proper amount of BOBCAT® Combi WG and mix into necessary volume of water. To prevent nozzle blockage, strainer and nozzle screens should be 50 mesh or coarser. Continuous agitation in the spray tank is required to keep the material in suspension. Mechanical agitation is preferred, although hydraulic agitation is satisfactory if pump has sufficient volume to return at least 5% of the tank capacity per minute when the sprayer is in operation. When by-pass or return line is used, it should terminate at bottom of tank to minimise foaming. DO NOT use air agitation.

FIXED BOOM POWER SPRAYER: Spray booms must be shut off while starting, turning, slowing or stopping, as overdose may result in injury to the crop. Use sufficient water (400-600 L/ha of area actually sprayed) to provide thorough and uniform coverage. Use sufficient pressure to allow to penetrate, 250-350 kPa is the pressure range generally used. Higher pressures should be avoided to prevent spray drift on to non-target areas.

USE OF SURFACTANT OR WETTING AGENT: If weed growth is established and cannot be removed the use of Wetspray 1000 may aid wetting of leaves and increase the knockdown effectiveness of the treatment. Use Wetspray 1000 (1000 g ac/L) at 250-500 mL/100 L of final spray volume (0.25 %-D.S % volume/volume). For perennial weeds and grasses use the higher rate of surfactant. Best results are obtained where weeds are growing under high humidity and temperatures higher than 21°C.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. DO NOT use on lawns, walkways, driveways, tennis courts or similar areas.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. DO NOT contaminate or store near feed or feedstuffs, pesticides or seeds. Single-rinse or shake remainder into spray tank. Do not dispose of undiluted chemicals on site. 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.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC 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. If in eyes, hold eyes open, flood with water, for at least 15 minutes and see a doctor.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for BOBCAT® Combi WG is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of BOBCAT® Combi WG Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia 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 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.