

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

GRANDPAR[®] K4
CANE HERBICIDE



ACTIVE CONSTITUENT: 468 g/kg DIURON
132 g/kg HEXAZINONE

GROUP	C	HERBICIDE
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For the control of a wide range of annual and perennial grasses, broadleaf weeds and vines in established sugar cane as per the directions for use table.

CONTENT: 10kg, 15kg

APVMA APPROVAL NO. 62797/1112

Sipcam Pacific Australia Pty Limited
Level 1, 191 Malop Street
GEELONG VIC 3220

DIRECTIONS FOR USE:

RESTRAINTS:

- DO NOT spray over sugar cane or allow excessive spray contact as crop injury may result.
- 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 crop injury may result.
- DO NOT use in young plant cane.
- DO NOT use in waterlogged areas.
- DO NOT use equipment or spraying methods which cause spray or spray drift to contact the growing point of the sugar 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 200m downwind from the application area
- DO NOT apply when there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 100m downwind from the application area.

CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Sugar cane	Weed seedlings of: <i>Amaranthus spp.</i> , Awnless Barnyard grass, Barnyard grass, Bluetop (Billygoat weed), Coast Button grass, Cobbler's Pegs, Common sida, Crowsfoot grass, Green Summer grass, Guinea grass, <i>Phyllanthus</i> , Pigweed, Rattlepod, <i>Setaria spp.</i> , Square weed, Summer grass, Thickhead	NSW, Qld only	4 kg/ha	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 band when inter-row cultivating. DO NOT apply more than 4kg/ha during the season.
	Weeds as above including: Bellvine, Common morning glory, Cupids flower, (Star of Bethlehem), Common Sensitive Plant, Passionfruit vine, Pink convolvulus, Red convolvulus		3 - 4 kg/ha	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 If emerged annual weeds (15cm
	Giant sensitive plant, Itch grass, Wild Rose, Centro, Pink Burr, Stinking Passion Flower	Qld only		

				<p>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.</p> <p>DO NOT use any more than 4kg/ha during the season.</p> <p>Treated areas may be replanted to sugar cane one year after last application.</p> <p>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.</p>
	Guinea grass	NSW, Qld only	1 kg/100L	<p>SPOT SPRAY ONLY:</p> <p>Spray when Guinea Grass Stools are at least 15cm high for best results. Wet thoroughly to point of run-off. Avoid contact with adjacent cane as crop injury may occur.</p>

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

GENERAL INSTRUCTIONS

This product is a broad spectrum, soil residual herbicide for the control of a wide range of annual and perennial grasses, broadleaf weeds and vines. Best results are achieved if the product is applied just before weed growth occurs. Well established weeds should first be removed by mechanical or other means. Soil should be moist at time of application and be free from trash and clods.

Results vary with soil type and environmental conditions. Lower rates are effective on lighter soils, while the higher rates may be necessary for effective control on heavier soils. Herbicide effects are slow to appear and may not become apparent until sufficient moisture (12-25mm on moist soil, 25-50mm on dry soils) in the form of rainfall or irrigation occurs after treatment to carry the product into the root zone of germinating weeds. Best results are achieved 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 run-off. All rates are expressed as overall rates. For band treatments use proportionately less. Use only half the overall rate when treating half the area. Temporary chlorosis of lower leaves may occur. To minimise injury use low directed spray application. Tolerance of cane varieties should be determined before treating large areas.

Resistant Weeds Warning

GROUP	C	HERBICIDE
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Grandpar K4 Cane Herbicide contains members of the triazinone and urea group of herbicides. Grandpar K4 Cane Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management, Grandpar K4 Cane Herbicide is a Group C herbicide. Naturally-occurring weed biotypes resistant to Grandpar K4 Cane Herbicide and other inhibitor of photosynthesis at photosystem II herbicides may exist through normal genetic variability in any weed population. They can eventually dominate the weed population if these herbicides are used repeatedly. These herbicides will not be controlled by Grandpar K4 Cane Herbicide or other inhibitor of photosynthesis at photosystem II herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcam Pacific Australia Pty Ltd accepts no liability for any losses that may result from the failure of Grandpar K4 Cane Herbicide to control resistant weeds.

Equipment and Application

Fill the spray tank with water. Weigh the correct amount of the product and add to the spray vat. To prevent nozzle blockage, strainer and nozzle screens should be 50 mesh or coarser. Keep the material in suspension at all times by continuous agitation. Mechanical agitation is preferred, although hydraulic agitation is satisfactory if the pump has sufficient volume to return at least 5% of the tank capacity per minute when the sprayer is in operation. When the by-pass or return line is used, it should terminate at the bottom of the tank to reduce 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 crop injury. Use sufficient water (400 - 600L/ha of area actually sprayed) to provide thorough and uniform coverage. Use sufficient pressure (in the range 250 - 350 kPa) to allow spray to penetrate. Higher pressures should be avoided to prevent spray drift onto non-target areas.

Use of surfactant/wetting agent

Where established weeds are present and cannot be removed by other means, the use of a non-ionic surfactant may increase the wetting of leaves and increase the knockdown effectiveness of the treatment. Use a non-ionic surfactant (1000g/L) at the rate of 250mL to 500mL/100L final spray volume (0.25% to 0.5% volume/volume). For perennial weeds and grasses use the higher rate of surfactant.

Best results are obtained where weeds and grasses are growing under conditions of high humidity and temperatures higher than 21°C.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

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 drift onto nearby susceptible plants / crops, cropping lands or pastures. DO NOT use on lawns, driveways, walkways, tennis courts or similar areas.

STORAGE AND DISPOSAL

Store in the closed original container in a dry cool, well ventilated area out of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier or from our web site, www.sipcam.com.au.

NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

<p>This product is NOT a Dangerous Good under the Australian Code for transport of Dangerous Goods by road and rail</p>
<p>SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS AUSTRALIA WIDE</p>

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Batch No:

Date of Manufacture: