

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Crop Care**Dictate[®] 480** Post-Emergence Herbicide

ACTIVE CONSTITUENT: 480 g/L BENTAZONE (present as sodium salt)

GROUP C HERBICIDE

For selective post-emergence control of certain broadleaf weeds in Green (Dwarf French) beans, Navy (Haricot) beans, Peanuts, Red kidney beans, Red Mexican beans and Soybeans as per the DIRECTIONS FOR USE table in the attached LABEL BOOKLET.

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USING THIS PRODUCT

Crop Care Australasia Pty Ltd
ACN 061 362 347
Unit 15/16 Metroplex Avenue
Murarrie QLD 4172
Tel: (07) 3909 2000



APVMA Approval No.: 67641/56522

Contents: 20L

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area out of direct sunlight. Triple or preferably pressure 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 500mm 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

May irritate the eyes and skin. Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID

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

ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. Do not eat, drink or smoke when using this product. Avoid breathing spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection. IF SWALLOWED: Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which can be obtained from your supplier or from the Crop Care website – www.cropcare.com.au

Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS - AUSTRALIA WIDE
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® Dictate is a registered trademark of Crop Care Australasia Pty Ltd

BN / DOM / Barcode / Drummuster 20L

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APVMA Approval No.: 67641/56522

DIRECTIONS FOR USE:

RESTRAINT:

DO NOT apply under hot, dry conditions.

CROP	WEEDS	STATE	RATE	WHP	CRITICAL COMMENTS
Broad beans	Black bindweed (<i>Polygonum convolvulus</i>), Blackberry nightshade (<i>Solanum nigrum</i>), Corn spurry (<i>Spergula arvensis</i>), Fat hen (<i>Chenopodium album</i>), Fumitory (<i>Fumaria muralis</i>), Hedge mustard (<i>Sisymbrium officinale</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), Wild radish (<i>Raphanus raphanistrum</i>), Wild turnip (<i>Brassica rapa campestris</i>)	Tas only	1L/ha	5 weeks	Apply when weeds are less than two true leaves.
			2L/ha		Apply when broad bean plants are at the two leaf stage or earlier and weeds are less than 5cm high.
			3L/ha		Ensure weeds are less than 5cm high, and Broad bean plants are developed past the two leaf stage. Sequential applications may be necessary to achieve satisfactory weed control, but no more than two applications should be used and the total rate applied should not exceed 3L/ha. The addition of a non-ionic surfactant such as BS1000 at 125mL/100L of the spray volume is necessary for optimum weed control.
Green beans (Dwarf French)	Thornapples (<i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 or 2L/ha	5 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr (<i>Xanthium pungens</i>)				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry (<i>Physalis angulata</i>), Apple of Peru (<i>Nicandra physalodes</i>), Bellvine (<i>Ipomea plebeia</i>), Cobbler's pegs (<i>Bidens pilosa</i>), Star burr (<i>Acanthospermum hispidum</i>), Variegated thistle (<i>Silybum marianum</i>)				Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15cm in diameter. Annual ground cherry should be less than 1.5cm high. Control of Bellvine may be inconsistent if soil is dry.
	Anoda weed (<i>Anoda cristata</i>), Hairy wandering Jew (<i>Commelina benghalensis</i>)	Qld only	Apply when weeds are cotyledon to 3 leaves.		

CROP	WEEDS	STATE	RATE	WHP	CRITICAL COMMENTS
Green beans (Dwarf French) cont.	Blackberry nightshade (<i>Solanum nigrum</i>), Black bindweed (<i>Polygonum convolvulus</i>), Corn spurry (<i>Spergula arvensis</i>), Fumitory (<i>Fumaris muralis</i>), Fat hen (<i>Chenopodium album</i>), Hedge mustard (<i>Sisymbrium officinale</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), Wild turnip (<i>Brassica rapa campestris</i>), Wild radish (<i>Raphanus raphanistrum</i>)	Tas only	1L/ha	5 weeks	Apply when unifoliate bean leaf is fully expanded.
			2L/ha		Apply when first trifoliate bean leaf is fully expanded.
			3L/ha		Ensure weeds are less than 5cm high and second trifoliate bean leaf is fully expanded.
		Vic, SA only	3L/ha		Ensure weeds are less than 5cm high. If product is applied prior to the full expansion of the second trifoliate leaf, sequential applications may be necessary to achieve satisfactory weed control, but no more than two applications should be used and the total rate applied should not exceed 3L/ha. The addition of a non-ionic surfactant such as BS1000 at 125mL/100L of the spray volume is necessary for optimum weed control.
Navy beans (Haricot)	Thornapples (<i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 or 2L/ha	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr (<i>Xanthium pungens</i>)				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry (<i>Physalis angulata</i>), Apple of Peru (<i>Nicandra physalodes</i>), Bellvine (<i>Ipomea plebeia</i>), Cobbler's pegs (<i>Bidens pilosa</i>), Star burr (<i>Acanthospermum hispidum</i>), Variegated thistle (<i>Silybum marianum</i>)		2L/ha		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15cm in diameter. Annual ground cherry should be less than 1.5cm high. Control of Bellvine may be inconsistent if soil is dry.
	Anoda weed (<i>Anoda cristata</i>), Hairy wandering Jew (<i>Commelina benghalensis</i>)	Qld only	Apply when weeds are cotyledon to 3 leaves.		
	Blackberry nightshade(<i>Solanum nigrum</i>), Black bindweed (<i>Polygonum convolvulus</i>), Corn spurry (<i>Spergula arvensis</i>), Fumitory (<i>Fumaris muralis</i>), Fat hen (<i>Chenopodium album</i>), Hedge mustard (<i>Sisymbrium officinale</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), Wild turnip (<i>Brassica rapa campestris</i>), Wild radish (<i>Raphanus raphanistrum</i>)	Vic, Tas, SA only	3L/ha		Ensure weeds are less than 5cm high. The addition of a non-ionic surfactant such as BS1000 at 125mL/100L of the spray volume is necessary for optimum weed control in Tasmania.
Peanuts	Thornapples (<i>Datura</i> spp.)	Qld only	1.5 or 2L/ha	21 days	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr (<i>Xanthium pungens</i>)				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry (<i>Physalis angulata</i>), Apple of Peru (<i>Nicandra physalodes</i>), Bellvine (<i>Ipomea plebeia</i>), Cobbler's pegs (<i>Bidens pilosa</i>), Star burr (<i>Acanthospermum hispidum</i>), Variegated thistle (<i>Silybum marianum</i>)		2L/ha		Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15cm in diameter. Annual ground cherry should be less than 1.5cm high. Control of Bellvine may be inconsistent if soil is dry.
	Anoda weed (<i>Anoda cristata</i>), Hairy wandering Jew (<i>Commelina benghalensis</i>)		Apply when weeds are cotyledon to 3 leaves.		
Red kidney beans, Red Mexican beans	Thornapples (<i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 or 2L/ha	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr (<i>Xanthium pungens</i>)				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.

CROP	WEEDS	STATE	RATE	WHP	CRITICAL COMMENTS
Red kidney beans, Red Mexican beans cont.	Annual ground cherry (<i>Physalis angulata</i>), Apple of Peru (<i>Nicandra physalodes</i>), Bellvine (<i>Ipomea plebeia</i>), Cobbler's pegs (<i>Bidens pilosa</i>), Star burr (<i>Acanthospermum hispidum</i>), Variegated thistle (<i>Silybum marianum</i>)	Qld, NSW, Vic, WA only	2L/ha	8 weeks	Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15cm in diameter. Annual ground cherry should be less than 1.5cm high. Control of bellvine may be inconsistent if soil is dry.
	Anoda weed (<i>Anoda cristata</i>), Hairy wandering Jew (<i>Commelina benghalensis</i>)	Qld only			Apply when weeds are cotyledon to 3 leaves.
Soybeans	Thornapples (<i>Datura</i> spp.)	Qld, NSW, Vic, WA only	1.5 or 2L/ha	8 weeks	Apply low rate when weeds are cotyledon to 4 leaves and high rate when 5 to 8 leaves.
	Noogoora burr (<i>Xanthium pungens</i>)				Apply low rate when weeds are cotyledon to 3 leaves and high rate when 4 to 6 leaves.
	Annual ground cherry (<i>Physalis angulata</i>), Apple of Peru (<i>Nicandra physalodes</i>), Bellvine (<i>Ipomea plebeia</i>), Cobbler's pegs (<i>Bidens pilosa</i>), Star burr (<i>Acanthospermum hispidum</i>), Variegated thistle (<i>Silybum marianum</i>)		2L/ha	Apply when weeds are cotyledon to 4 leaves. Variegated thistle should be less than 15cm in diameter. Annual ground cherry should be less than 1.5cm high. Control of Bellvine may be inconsistent if soil is dry.	
	Anoda weed (<i>Anoda cristata</i>), Hairy wandering Jew (<i>Commelina benghalensis</i>)	Qld only		Apply when weeds are cotyledon to 3 leaves.	
	Bathurst burr (<i>Xanthium spinosum</i>) and Blackberry nightshade (<i>Solanum nigrum</i>) (SUPPRESSION ONLY)	NSW only	2L/ha plus 2L of Ampol* D-C-Trate per ha	Apply as a post-emergent spray no later than early 4 leaf stage of the weeds.	

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

WITHOLDING PERIODS:

PEANUTS:

DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

BROAD BEANS, GREEN BEANS:

DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION.

NAVYBEANS, RED KIDNEY BEANS, RED MEXICAN BEANS, SOYBEANS: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

GROUP	C	HERBICIDE
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Dictate 480 Post-emergence Herbicide (Dictate 480) is a member of the benzothiadiazole group of herbicides. Dictate 480 is a herbicide which inhibits photosynthesis at photosystem II. For weed resistance management Dictate 480 is a Group C herbicide. Some naturally-occurring weed biotypes resistant to Dictate 480, 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 Dictate 480 or other Group C herbicides. Since occurrence of resistant weeds is difficult to detect prior to use, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of Dictate 480 to control resistant weeds.

APPLICATION

Ground Application:

Dictate 480 is a contact herbicide and therefore thorough coverage of the foliage of weeds is essential. To obtain thorough coverage Dictate 480 should be applied through properly calibrated and maintained spray equipment at a volume of 220-440L water per ha and pressure of 240-340kPa. Coverage will be reduced if weeds are being shaded by the crop or by any other factors such as drift or dusty leaves that prevent the herbicide reaching target leaves. Best results will be obtained when conditions favour rapid growth.

Aerial Application:

(Read instructions for Ground Application first)

Apply with aircraft fitted with either conventional boom and nozzles or with Micronair rotary atomizers flying between 3-4m above the ground. Booms should be fitted with D8 to D12 nozzles and calibrated to apply at least 50L/ha with overlapping swaths to prevent striping. Micronairs should be calibrated to apply at least 35L/ha with droplets between 200-250 microns and swaths overlapping to prevent striping. Avoid droplets smaller than 200 micron as they are susceptible to evaporation.

DO NOT APPLY under hot and dry conditions. Best results are obtained from late afternoon or early morning spraying.

DO NOT APPLY under strong or gusty wind conditions (more than 5 knots) as striping will occur.

Split Applications:

Weeds do not all germinate at once and application should not be delayed to catch later germinations. When late germinations of weeds occur a second application is advisable before the crop canopy closes.

The Effects of Stress and Weather:

Application is not recommended to crops suffering from stress induced by drought, water logging, hail damage, frost or injury from other pesticides or crop injury may occur. Such stress conditions may also harden weeds making them more difficult to kill.

Dictate 480 is a water soluble concentration and hot, dry conditions may cause spray to evaporate reducing covering and the performance on weeds. Rain within eight hours of spraying is likely to reduce the effectiveness of Dictate 480 resulting in poor weed control.

Wetting Agent:

In Tasmania (only) a non-ionic wetting agent such as BS1000 at 125mL/100L of the volume should be added when Dictate 480 is sprayed on navy (Haricot) beans and green (Dwarf French) beans. In general, the addition of wetter does not improve control of weeds in other areas. However, with less susceptible weeds or if spray coverage is less than optimum the addition of BS1000 may improve control.

MIXING

Dictate 480 mixes readily with water. Add the required amount of Dictate 480 to the spray tank when filling and agitate to give even mixing.

COMPATIBILITY

Dictate 480 can be applied after pre-planting application of trifluralin or EPTC.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with Dictate 480 or used containers.

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

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

CROP SAFETY

Green beans, Navy beans, Red kidney beans, Red Mexican beans:

Beans are tolerant of Dictate 480 after the first two trifoliolate leaves are fully expanded. There may be leaf scorch but this will not affect yields. DO NOT apply unless two trifoliolate leaves are present except as per directions for use in Tasmania on Green beans or severe damage may result. When used in Tasmania DO NOT apply after flower bud formation.

Peanuts:

Apply after the crop is 12cm high.

Soybeans:

Soybeans are tolerant of Dictate 480 at all stages of growth. Mild leaf scorching may occur but will not affect yield.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area out of direct sunlight. Triple or preferably pressure 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 500mm 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

May irritate the eyes and skin. Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID

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

ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. Do not eat, drink or smoke when using this product. Avoid breathing spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection. IF SWALLOWED: Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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* Other registered trademarks.