



Product Name: XtendiMax 2 Herbicide with VapourGrip Technology  
APVMA Approval No: 88630/147345

Label Name:	XtendiMax 2 Herbicide with VapourGrip Technology
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 480 g/L DICAMBA PRESENT AS THE MONOETHANOLAMINE SALT
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Mode of Action:	GROUP 4 HERBICIDE
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Statement of Claims:	For the control of certain broadleaf weeds in XtendFlex cotton, winter cereals, conservation tillage, grain sorghum, pastures, rice, and sugarcane.
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Net Contents:	5 - 1000 L
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Restraints:	This section contains file attachment.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	WITHHOLDING PERIODS Harvest (H): XtendFlex cotton varieties DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION All other uses DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
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**Grazing (G):**  
XtendFlex cotton varieties DO NOT FEED COTTON FODDER, STUBBLE OR TRASH TO LIVESTOCK  
All other uses DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION  
  
IF ANOTHER HERBICIDE IS APPLIED AS A TANK MIX, OBSERVE THE WITHHOLDING RESTRICTIONS ON THAT LABEL IF THEY ARE LONGER.

Trade Advice:	<b>EXPORT OF TREATED PRODUCE</b> Growers should note that MRLs or import tolerances may not exist in all markets for crops and cotton seed harvested from cotton crops treated with XtendiMax 2 Herbicide with VapourGrip Technology. If you are growing crops for export, including cotton for seed export, please check with Bayer Crop Science for the latest information on MRLs and import tolerances before using XtendiMax 2 Herbicide with VapourGrip Technology.
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<b>RESISTANT WEEDS WARNING GROUP 4 HERBICIDE</b>  XtendiMax 2 Herbicide with VapourGrip Technology is a member of the Benzoates group of herbicides. XtendiMax 2 Herbicide with VapourGrip Technology has the disruptor of plant cell growth mode of action. For weed resistance management, XtendiMax 2 Herbicide with VapourGrip Technology is a Group 4 Herbicide. Some naturally occurring weed biotypes resistant to XtendiMax 2 Herbicide with VapourGrip Technology 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 XtendiMax 2 Herbicide with VapourGrip Technology or other Group 4 Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Monsanto accepts no liability for any losses that may result from the failure of XtendiMax 2 Herbicide with VapourGrip Technology to control resistant weeds.  Users of XtendiMax 2 Herbicide with VapourGrip Technology over XtendFlex cotton must implement practices that minimise the development of resistance in treated weeds. Minimising this risk may best be achieved by following the integrated weed management strategy guidelines summarised below: <ol style="list-style-type: none"><li>1. Aim to enter the XtendFlex cropping phase of the rotation with a low weed burden.</li><li>2. Integrate as many different weed control options (chemical and cultural) as possible through all phases of the crop rotation.</li><li>3. Make every herbicide application count – use registered rates at the correct application growth stage and assess effectiveness.</li><li>4. Rotate herbicides with different modes of action throughout the crop rotation.</li><li>5. Regularly monitor the effectiveness of resistance management practices.</li><li>6. Test weed populations for herbicide resistance status as part of ongoing integrated weed management.</li><li>7. Growers should not plant XtendFlex crops in paddocks with populations of confirmed dicamba resistant weeds.</li></ol> It is advised that consultation on Integrated Weed Management be undertaken with an accredited agronomist or program prior to use of XtendiMax 2 Herbicide with VapourGrip Technology over XtendFlex cotton. More information on Integrated Weed Management can be found at: <a href="http://www.weedsmart.org.au">www.weedsmart.org.au</a> .
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As with conventional cotton varieties, volunteer and ratoon XtendFlex cotton plants may occur in fallows, and non-cropping areas of a farm such as irrigation ditches, water storages, etc. These plants will not be controlled by XtendiMax 2 Herbicide with VapourGrip Technology or other dicamba (Group 4) herbicides and should be controlled in both cropping and non-cropping areas. These plants are best managed with cultivation and/or the appropriate registered herbicides (see the Integrated Weed Management Strategy Guidelines above). Growers should ensure that they have an effective weed management strategy developed for the control of these weeds.

Users of XtendiMax 2 Herbicide with VapourGrip Technology over XtendFlex cotton must allow Bayer or its agents to undertake audits or surveys as necessary to assess management by users of the development of dicamba resistance in target weeds.

#### RESISTANT WEEDS REPORTING

Users of XtendiMax 2 Herbicide with VapourGrip Technology and Bayer Technology Service Providers (TSPs) are required to report any adverse events, such as suspected weed resistance, to Bayer as soon as it is identified. Weeds identified to have survived XtendiMax 2 Herbicide with VapourGrip Technology must be controlled by an alternative strategy in order to prevent weeds from setting seed.

Precautions:	<p><b>PRECAUTION</b> <b>Re-entry Period</b> Do not allow entry into treated areas until spray has dried. If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
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Protections:	<p><b>PROTECTION OF WILDLIFE, FISH CRUSTACEA AND ENVIRONMENT</b> Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p> <p><b>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</b> Avoid spray drift and vapour movement onto susceptible crops such as cotton that does not contain the XtendFlex herbicide tolerance technology, flowers, tree nuts, fruit trees, lupins, ornamentals, tomatoes, vegetables, grape vines or any other field crop. DO NOT apply or drain or flush equipment on or near native or non-target 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.</p> <p><b>INTEGRATED PEST MANAGEMENT</b> Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Do not store near foodstuffs or animal feed.</p> <p>(Drummuster/not re-usable containers)</p> <p>Triple rinse container 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 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. Do not re-use empty container for any other purpose.</p>
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(Schutz/returnable/re-usable containers)

If tamper evident seals are broken prior to initial use then the integrity of the contents cannot be assured. Empty container by pumping through dry-break connection system. Do not attempt to breach the valve system or the filling point, or contaminate the container with water or other products. Ensure that the coupler, pump, meter and hoses are disconnected, triple rinsed and drained after each use. When empty, or contents no longer required, return the container to the point of purchase. This container remains the property of Bayer CropScience Pty Ltd.

(1000 L container)

If tamper evident seals are broken prior to initial use then the integrity of the contents cannot be assured. The container must be vented before discharging contents. To empty connect a camlock fitted hose to the bottom valve. Remove top cap when discharging for venting purposes. When the container is empty, close all caps and valves and return the container to the point of purchase.

Safety Directions:

**SAFETY DIRECTIONS**

Will irritate the eyes. May irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck (or equivalent clothing), elbow-length chemical resistant gloves and face shield. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield and contaminated clothing.

First Aid Instructions:

**FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre.  
Phone Australia 13 11 26.

First Aid Warnings:

## **RESTRAINTS**

**DO NOT** spray with aircraft.

**DO NOT** tank mix with products containing ammonium salts such as ammonium sulphate (AMS), urea ammonium nitrate, or herbicides containing glufosinate-ammonium or ammonium salt glyphosate. Small quantities of AMS can greatly increase the volatility potential of dicamba.

**DO NOT** spray when rain seems likely to occur within 4 hours.

**DO NOT** spray when weeds are wet with dew or rain or under stress from drought, low soil fertility, extreme cold or water logging.

**DO NOT** spray outside recommended crop growth stages as crop damage may result.

**DO NOT** apply to crops undersown with clover, lucerne or medics.

### Additional Restraints for Conservation Tillage

When grass and broadleaf weeds are present, use a mixture of XtendiMax 2 Herbicide with VapourGrip Technology and Roundup Ready PL Herbicide with Plantshield Technology.

**DO NOT** disturb treated weeds by cultivation or sowing for 1 day after treatment of annual weeds and 7 days for perennial weeds

**DO NOT** treat weeds heavily covered with dust or silt

Observe plant back periods listed under General Instructions

When applying to dry soil surfaces, at least 15 mm rainfall is required before the plant back period begins.

### Additional restraints for XtendFlex cotton

**DO NOT** apply more than 1 application per season.

**DO NOT** apply unless the pH of the spray solution is 5.2 or above.

**DO NOT** apply when the temperature is 35°C or above or forecast within 3 days of application.

**DO NOT** apply in December, January and February.

**DO NOT** apply if heavy rains or storms are forecast within 3 days.

**DO NOT** irrigate to the point of field runoff from the treatment area for at least 3 days after application, unless all run-off can be captured on-farm.

**DO NOT** apply within 20 metres of neighbouring crops on all sides of the treated field.

Products must only be used by applicators that have successfully completed the XtendFlex Cotton Spray Applicator Training. NOT to be used by uncertified persons working under the supervision of a certified applicator.

**DO NOT** apply unless VapourGrip Xtra Agent is also included in the spray mixture, as per the label of that product.

## **SPRAY DRIFT RESTRAINTS**

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://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. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. 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.

**DO NOT** apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a VERY COARSE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

**Buffer zones for boom sprayers:**

**Dicamba alone**  
**(XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP TECHNOLOGY)**

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones	
		Vegetation areas	Livestock areas
1.17 L/ha or lower	0.5 m or lower	375 m	0 m
335 mL/ha or lower	0.5 m or lower	70 m	0 m
	1.0 m or lower	250 m	0 m

**Dicamba and glyphosate**  
**(XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP TECHNOLOGY plus ROUNDUP READY PL HERBICIDE WITH PLANTSHIELD TECHNOLOGY)**

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones
		Vegetation areas
Up to 1.17 L/ha XtendiMax 2 with VapourGrip Technology plus 1.9 L/ha Roundup Ready PL Herbicide with Plantshield Technology	0.5 m or lower	130 m
335 mL/ha XtendiMax 2 with VapourGrip Technology with 1.9 L/ha Roundup Ready PL Herbicide with Plantshield Technology	0.5 m or lower	85 m
	1.0 m or lower	350 m

**DIRECTIONS FOR USE****DIRECTIONS FOR USE TABLES**

<b>SITUATION – IN-CROP IN COTTON VARIETIES CONTAINING XTENDFLEX HERBICIDE TOLERANCE TECHNOLOGY (DOES NOT INCLUDE APPLICATION PRIOR TO PLANTING)</b> Apply in a minimum of 100 L of spray solution/ha.		
<b>WEEDS CONTROLLED</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Peachvine	1.17 L/ha + 1% v/v VapourGrip Xtra Agent	Apply when weeds have 2 to 6 leaves. Improved levels of control can be achieved by tank-mixing with 1.9 L/ha of Roundup Ready® PL Herbicide with Plantshield® Technology, especially where weeds are more developed.
Fleabane	1.17 L/ha + 1.9 L/ha of Roundup Ready PL Herbicide with Plantshield Technology + 1% v/v VapourGrip Xtra Agent	Tank mix with Roundup Ready PL Herbicide with Plantshield Technology, applied at 1.9 L/ha. Apply when weeds have 2 to 6 leaves.
Annual gooseberry, Annual ground cherry, Bathurst burr, Bellvine, Blackberry nightshade, Caltrop (yellow vine), Climbing buckwheat (black bindweed), Cobbler's pegs, Common sowthistle, Doublegee (three-cornered Jack, spiny emex), Dwarf amaranth, Fat hen, Field bindweed, Green amaranth, Lucerne, Mintweed, New Zealand spinach, Noogoora burr Parthenium weed, Pigweed, Redroot amaranth, Redshank, Seedling khaki weed, Seedling perennial gooseberry Sunflower, Thornapple (datura), Wireweed	335 mL to 1.17 L/ha + 1% v/v VapourGrip Xtra Agent	Apply when weeds have at least 3 to 5 true leaves. DO NOT treat weeds which are beyond the rosette stage. Use higher rate on larger weeds and where amaranthus, blackberry nightshade and mintweed are the major problems or where annual and perennial gooseberry are present. May be tank-mixed with 1.9 L/ha of Roundup Ready PL Herbicide with Plantshield Technology to improve the spectrum of weeds controlled.

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

**WARNING:** THE APPLICATIONS RECOMMENDED ABOVE ARE FOR USE ONLY WITH IMPROVED COTTON VARIETIES THAT ARE DESIGNATED AS COTTON CONTAINING THE XTENDFLEX® HERBICIDE TOLERANCE TECHNOLOGY.

SEVERE INJURY OR DEATH OF COTTON WILL RESULT IF ANY COTTON VARIETIES NOT PROPERLY DESIGNATED AS HAVING THE XTENDFLEX® HERBICIDE TOLERANCE TECHNOLOGY ARE SPRAYED WITH THIS PRODUCT.

EXTREME CARE MUST BE TAKEN TO AVOID CONTACT WITH CROPS OR DESIRABLE PLANTS THAT DO NOT CONTAIN THE XTENDFLEX® HERBICIDE TOLERANCE TECHNOLOGY, OR WITH NATIVE VEGETATION, SINCE SEVERE INJURY OR DESTRUCTION WILL RESULT.

**SITUATION: LISTED CROPS THAT DO NOT CONTAIN XTENDFLEX HERBICIDE TOLERANCE TECHNOLOGY**

CROP	WEEDS	STATE	RATE/ha	WEED GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
<b>Barley, Oats, Triticale, Wheat</b> From 3 leaf stage to mid-tillering (GS 13-25)	Amsinckia (Yellow Burrweed), Capeweed <sup>Δ</sup>	NSW, Vic, Tas, SA, WA only	168 mL plus 7 g Eclipse® Herbicide	Up to 4 leaf and maximum 8 cm height or diameter	Apply with Uptake® Spraying Oil at 500 mL/100 L water or D-C-Tron® spraying oil at 1 L/100 L water. <sup>Δ</sup> Suppression only for capeweed
	Climbing buckwheat (black bindweed)	Qld, NSW, only	168 mL plus 5 g Eclipse		
	Indian hedge mustard, Turnip weed, Wild turnip, Wild radish	All States	168 mL plus 7 g Eclipse	Up to 8 leaf or young rosette stage and maximum 15 cm height or diameter	
	Spiny emex (doublegee, three-cornered Jack)			Up to 4 leaf and maximum 8 cm height or diameter	
<b>Barley, Oats, Triticale, Wheat</b> From 5 leaf stage to mid-tillering (GS 15-25)	Climbing buckwheat, Fat hen, New Zealand spinach, Sunflowers, Tree hogweed	Qld, NSW, Vic only	292 mL	Up to 8 leaf or young rosette stage and maximum 10 cm height or diameter	
	Docks, Hexham scent, Scotch thistle (black or spear thistle), Spiny emex (doublegee, three-cornered Jack), Variegated thistle, Volunteer legumes (chickpeas, peas, subterranean clover, tares/vetch)	All States			

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
<b>Barley, Cereal rye, Oats, Triticale, Wheat</b> From 5 leaf to early tillering (GS 15-22)	Capeweed, Charlock, Common iceplant, Doublegee (three cornered Jack, spiny emex), Hexham scent ( <i>Melilotus</i> ), Mustards, Seedling docks, Soldier thistle, Tares, Turnip weed ( <i>Rapistrum rugosum</i> ), Vetch, Volunteer legumes (chickpeas, peas, subterranean clover, tares/vetch, medic), Wild radish, Wild turnip ( <i>Brassica tournefortii</i> ), Wireweed (hogweed), Ward's weed	All States	168 mL plus 700 mL MCPA amine (500 g/L)	Spray when most weeds have germinated and are in the 2 to 4 leaf stage. In some instances suppression only of wireweed (hogweed) and capeweed will occur.
<b>Barley, Cereal rye, Oats, Triticale, Wheat</b>	Capeweed, Charlock, Chickweed,	SA only	292 mL plus 1 L MCPA amine (500 g/L)	DO NOT use XTENDIMAX 2 HERBICIDE WITH

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
From 5 leaf to early tillering stage until the fully tillered stage and before jointing occurs (GS 15, 21-30)	Clover, Common iceplant, Hoary cress, Mustards, Wild radish, Saffron thistle Sorrel, Wild turnip ( <i>Brassica tournefortii</i> ), Turnip weed ( <i>Rapistrum rugosum</i> ), Ward's weed, Tares		or 292 mL plus 700 mL 2,4-D amine (500 g/L)	VAPOURGRIP TECHNOLOGY plus 2,4-D in oats in SA. If any of these weeds as well as the above weeds are found in these cereal crops, the addition of MCPA or 2,4-D is essential. Spray when most weeds have germinated and are still in the young rosette stage. Possible crop damage may occur to some varieties if mixes of XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP
	Capeweed, Charlock, Chickweed, Mustards, Wild radish, Saffron thistle, Sorrel, Tares, Turnip weed ( <i>Rapistrum rugosum</i> ), Wild turnip ( <i>Brassica tournefortii</i> )	Qld, NSW, Vic, Tas only	292 mL plus 1.2 L MCPA amine (500g/L) or 292 mL plus 700 mL 2,4-D amine (500g/L)	TECHNOLOGY plus MCPA amine or 2,4-D amine are applied too early. A mixture with 2,4-D amine must not be used in Tasmania. In some instances suppression only of wireweed (hogweed) and capeweed will occur.
	Chickweed, Sorrel, Wireweed	WA only	416 mL or 292 mL plus 800 mL 2,4-D amine (500 g/L) or 292 mL plus 1.2 L MCPA amine (500 g/L)	
	Common Iceplant	WA only	335 mL plus 800 mL 2,4-D amine (500 g/L)	
	Mintweed	Qld, NSW only	292 mL plus 1.2 L MCPA amine (500 g/L) or 292 mL plus 700 mL 2,4-D amine (500 g/L)	
<b>Grain sorghum</b> From 3 leaf stage until 6 leaf stage	Amaranthus, Black (giant) pigweed, Bladder ketmia, Caltrop (yellow vine), Mintweed, Noogoora burr, Pigweed, Thornapple ( <i>datura</i> )	Qld, NSW, NT only	292 mL plus 1.5 L Flowable Gesaprim® 600 SC Liquid Herbicide or 335 mL plus 1.2 L Gesaprim 600 SC	Apply when weeds have 3 to 5 true leaves. DO NOT apply in hot dry conditions. Apply by boom spray as an overall spray applying 50 to 250 L water/ha. Use the higher rate of XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP TECHNOLOGY where bladder ketmia or caltrop are present.
<b>Grain sorghum</b> From 3 leaf stage until 6 leaf stage Maize Post-emergence until maize is approximately 90 cm high or until 15 days prior to tassle emergence	Annual gooseberry, Annual ground cherry, Bathurst burr, Bellvine, Blackberry nightshade, Caltrop (yellow vine), Climbing buckwheat (black bindweed), Cobbler's pegs, Common sowthistle, Doublegee (three-cornered Jack, spiny emex),	All States (NOT Central Qld)	335 – 583 mL	Apply when weeds have at least 3 to 5 true leaves. DO NOT treat weeds which are beyond the rosette stage. <b>Method of Application:</b> Apply by boom spray as an overall or directed spray by applying 100 to 250 L water/ha. Use the higher rate on larger weeds and where amaranthus, blackberry nightshade and mintweed are the major

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
	Dwarf amaranth, Fat hen, Field bindweed, Green amaranth, Lucerne, Mintweed, New Zealand spinach, Noogoora burr, Parthenium weed, Pigweed, Redroot amaranth, Redshank, Seedling khaki weed, Seedling perennial gooseberry, Sunflower, Thornapple (datura), Wireweed			problems or where annual and perennial gooseberry are present. Certain maize varieties may develop clubfoot of the prop roots.

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
Potatoes	Blackberry nightshade, Chickweed, Climbing buckwheat (black bindweed), Clover, Docks, Fat hen, Thistles, Wireweed (hogweed)	Tas only	525 to 1254 mL	Apply after haulm senescence in sufficient water to give even coverage. May be mixed with 2,4- D to improve spectrum of weeds controlled. Refer to respective labels of these herbicides for application rates. Add suitable surfactant for improved coverage. Note: DO NOT apply when potato haulms are still green.
Rice Pre-sowing Post-sowing Either before permanent water or until rice is at the mid-tillering stage	Docks	NSW, NT only	Seedling docks 416 mL Mature docks 583 mL	<b>Pre-sowing:</b> Apply before the end of August and DO NOT cultivate or graze for 14 days after spraying. <b>Post-sowing:</b> Preferably apply before the application of permanent water. If permanent water has been applied, XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP TECHNOLOGY can be applied up to the mid-tillering stage provided the Docks are exposed. Use 100 L/ha for boom application.

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
Sugarcane Post-emergence	Amaranthus, Bathurst burr, Bellvine, Black (Giant) pigweed, Blackberry nightshade, Caltrop, Cleome, Cobbler's pegs, Common sowthistle, Fat hen, Green amaranth, Khaki weed, Milkweed, Mintweed,	Qld, NSW, WA, NT only	817 mL plus 1.2 L Gesaprim 600 SC or 830 g Gesaprim® Granules Herbicide	Spray when most weeds have germinated and are in the young rosette stage or when they have no more than 8 true leaves. <b>Method of Application:</b> Apply by boom spray as an overall directed spray applying 100 to 250 L water/ha. To achieve residual control use XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP

CROP	WEEDS	STATE	RATE/ha	CRITICAL COMMENTS
	Noogoora burr, Parthenium weed, Perennial gooseberry, Pigweed, Prickly cucumber, Purple top <sup>Δ</sup> , Redroot amaranth, Sensitive plant, Tarpine, Thornapple (datura), White passion vine <sup>Δ</sup>			TECHNOLOGY plus Gesaprim. DO NOT apply more than 3 kg atrazine a.i./ha/year. ^Suppression only
	Bathurst burr, Bellvine, Blackberry nightshade, Calopo, Caltrop, Cleome, Cobbler's pegs, Common sowthistle, Convolvulus, Fat hen, Green amaranth, Khaki weed, Noogoora burr, Parthenium weed, Perennial gooseberry, Pigweed, Pink burr, Redroot amaranth, Sensitive plant, <i>Sida retusa</i> , Tarpine, Thickhead, Thornapple (datura)		583 mL	
	Billygoat weed, Calopo, Common sensitive plant, Pink convolvulus, <i>Sida retusa</i> , Siratro, Stinking passion vine		540 mL plus 830 mL Gesaprim 600 SC or 560 g Gesaprim Granules to 817 mL plus 1.2 L Gesaprim 600 SC or 830 g Gesaprim Granules	
	Fleabanes, Pink Burr, Seedling square weed, Snake weed, Thickhead, Turnip weed	Qld, NSW, WA, NT only	540 mL plus 830 mL Gesaprim 600 SC or 560 g Gesaprim Granules	
	Sicklepod		817 mL plus 1.2 L Gesaprim 600 SC or 830 g Gesaprim Granules to 1079 mL plus 1660 mL Gesaprim 600 SC or 1.1 kg Gesaprim Granules	

Situation	Weeds	State	Rate/ha	Critical Comments
Between cropping applications, Conservation tillage, Direct drilling, Minimum tillage, No-till fallow	Amaranthus, Annual gooseberry, Bathurst burr, Bellvine, Black or spear thistle, Blackberry nightshade, Caltrop (yellow vine), Cobbler's pegs, Doublegee (three-cornered Jack, spiny emex), Fat hen, Horehound, Illyrian thistle, Mintweed, Noogoora burr, Parthenium weed, <i>Rumex</i> spp including curled and broadleaf docks, Seedling khaki weed, Seedling perennial gooseberry, Smart weed (water pepper), Star thistle, Stemless thistle, Sunflower, Thornapple ( <i>datura</i> )	All States	Seedlings 335 to 583 mL	Apply when weeds have at least 3 to 5 true leaves and are actively growing. DO NOT treat weeds which are beyond the rosette stage. Use higher rate on large weeds.
	Centro, Cleome, Convolvulus, Pink burr, Sensitive plant, <i>Sida retusa</i> , Tarpine, Thickhead	Qld, NSW, Vic, Tas, WA, NT only		
	Chickweed, Sorrel, Wireweed	WA only	416 mL	Spray when most weeds have germinated and are still in the young rosette stage, when they have not more than 8 true leaves
	Climbing buckwheat	Qld, NSW, Vic, Tas, WA, NT only	292 mL	
	Clover	All States	204 mL	When targeting advanced growth stages (from early side shoot development) add to Roundup Ready PL Herbicide with Plantshield Technology or Spray.Seed® 250 Herbicide as required (mixtures of Spray.Seed plus XTENDIMAX 2 HERBICIDE WITH VAPOURGRIP TECHNOLOGY must not be used in Tas). Follow recommended label rates.
	Common iceplant, Hoary cress, Saffron thistle, Sorrel	All States	292 mL plus 800 mL 2,4-D amine (500 g/L)	Spray when most weeds have germinated and are still in the young rosette stage, when they have no more than 8 true leaves.
	Docks, Double gee, Hexham scent	All States	292 mL	
	Fat hen, Scotch thistle Tree hogweed	Qld, NSW, Vic, Tas, NT only		
	New Zealand spinach	Qld, NSW, NT only		

	Sunflower, Variegated thistle, Vetch Wireweed	Qld, NSW, Vic, Tas, SA, NT only		
	Tares	SA only		

Situation	Weeds	State	Rate/ha	Critical Comments
<b>Conservation tillage, Direct drilling, Seedbed salvage</b> For weed control in fallow, stubble or pasture prior to sowing with a full disturbance implement	Amaranthus (red shank), Docks, Medics, Native amaranth, Paterson's curse, Sowthistle, Turnip weed, Variegated thistle, Volunteer cereals, Wild mustard, Wild oats, Wireweed (hogweed)	Qld, NSW, Vic, SA, WA, NT only	168 to 248 mL plus 333 to 500 mL Roundup Ready PL Herbicide with Plantshield Technology	If excessively wet conditions occur shortly after application or sowing, some retardation of crop establishment may occur in certain broadleaf crops. Spray when most weeds have germinated and are still in the young rosette or pre-tillering stage. Use the lower rate when weeds are prior to tillering or seedlings.
	Annual ryegrass, Capeweed, Tree hogweed, Volunteer field peas	NSW, Vic, SA, WA only		Increase to the higher rate as weeds reach tillering or are 10 to 15 cm diameter/high. In grazed situations if heavy grazing has occurred, allow regrowth to 6 to 8 cm high before spraying.
	Apple of Peru, Barnyard grass, Climbing buckwheat (black bindweed), Canary grass (annual phalaris), Mintweed, Noogoora burr, Thorn apple, Wild or prickly lettuce, Yellow vine (caltrop)	Qld, NSW, NT only		Visible symptoms of weed control may not be apparent for 10 to 21 days.
	Barnyard grass, Liverseed grass	NSW only	168 to 248 mL plus 667 mL to 1 L Roundup Ready PL Herbicide with Plantshield Technology	
	Sorrel	NSW, Vic, SA, WA only	168 to 248 mL plus 537 to 667 mL Roundup Ready PL Herbicide with Plantshield Technology	

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

## **GENERAL INSTRUCTIONS**

Spray when weeds are young and actively growing and, unless stated otherwise, before the 4 leaf stage.

## **CROP SAFETY**

After application to XTENDFLEX cotton some leaf spotting may occur. The development of the crop and subsequent growth will be unaffected.

Yield reduction has occurred in some small cereal varieties sprayed with twice label rates at early timings. Observe label rates and timings and avoid excessive spray overlap at early application timings.

A temporary wilting may be evident in some crops after application.

If seasonal conditions are unusually late or dry, seek further advice as crop damage may result from spraying under these conditions.

Growers should seek advice before spraying recently released cereal varieties.

If another herbicide is used as a tank mix, observe the varietal tolerance restrictions on that label.

## **MIXING**

XTENDIMAX 2 Herbicide with VapourGrip Technology mixes readily with water. Reduced results may occur if water used contains suspended clay or organic matter e.g. from dams, streams and irrigation channels, or high levels of calcium, magnesium or bicarbonate ions.

### **Mixing Order**

1. Ensure application and mixing equipment are thoroughly clean and free of ammonium prior to use.
  2. Fill the spray tank with three quarters of the required volume of clean water and start agitation.
  3. Add the required amount of VapourGrip Xtra Agent (when applicable) and agitate for 10 minutes.
  4. Agitation - Maintain constant agitation throughout mixing and application.
  5. Buffer (when applicable). Do not use acidifying buffers or buffers containing ammonium ions, unless specifically recommended.
  6. Drift Reducing Adjuvants (DRA) (when applicable).
  7. Water-dispersible products (water dispersible granules (dry flowables), wettable powders, suspension concentrates, or suspo-emulsions).
  8. XTENDIMAX 2 Herbicide with VapourGrip Technology with any other water-soluble products (when applicable).
  9. Emulsifiable concentrates (such as oil concentrate when applicable).
  10. Roundup Ready PL Herbicide with Plantshield Technology (when applicable).
  11. Add remaining quantity of water.
- Maintain constant agitation prior to and during application.

**Clean equipment immediately after using this product**, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water. If equipped, open boom ends and flush.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
8. Drain pump, filter and lines.
9. Rinse the complete spraying system with clean water.
10. Clean and wash off the outside of the entire sprayer and boom.
11. All rinse water must be disposed of in compliance with Local, State or Territory guidelines.

## **Application**

### **XTENDFLEX cotton:**

Apply in a minimum of 100 L of spray solution per hectare.

### **Other uses:**

**Boom Application:** Apply by a properly calibrated boom spray using not less than 50 L of water/ha,

**High Volume Application:** Apply a minimum 1500 L/ha. Knapsack Application: A 15 L knapsack treats 50 m<sup>2</sup>.

### Plantback periods:

Wait for the following periods before planting the following crops into soils sprayed with the product. At least 15 mm of rainfall is required before the plant back period begins.

If another herbicide is applied as a tank mix, observe the plant back restrictions on that label if they are longer.

Note: If waterlogging occurs shortly after sowing, the product may cause some reduction in crop vigour. Use as directed only in the States indicated.

### Plantback Periods for Conservation tillage

Rate/ha	Plantback Period (days) <sup>‡</sup>								
	Barley	Canola	Chickpeas	Clover / Medics	Non-dicamba tolerant Cotton	Field peas	Lupins	Maize	Millet
280 mL	1	7	ND*	7	7	ND*	7	1	1
400 mL	7	10	21	14	7	14	14	3	3
800 mL	14	14	28	21	14	21	21	7	7

\*Not determined

Rate/ha	Plantback Period (days) <sup>‡</sup>									
	Mung beans	Oats	Pigeon peas	Rye	Safflower	Sorghum	Soybeans	Sunflower	Triticale	Wheat
280 mL	5	1	5	1	14	1	5	1	1	1
400 mL	5	7	5	7	21	3	5	7	7	7
800 mL	10	14	10	14	28	7	10	14	14	14

### Plantback Periods for Conservation Tillage (QLD NT only)

Rate/ha	Crop	Plant Back Period (days) <sup>#</sup>
280 to 340 mL	Barley, Cereal rye, Maize, Millet, Oats, Sorghum, Sunflowers, Triticale, Wheat	1
	Mung beans, Pigeon peas, Soybeans	5
	Canola, Non-dicamba tolerant cotton	7
Rates above 340 mL	All crops	21

For all rates and crops not included above, a plant back period of 6 weeks applies generally and 8 weeks for seed crops.<sup>‡</sup>

<sup>#</sup>Plant back period only commences once a minimum of 15 mm of rainfall or irrigation has been received following application.

### Plantback Periods for XtendFlex cotton

For irrigated cotton, wait for the following plant back periods listed in the table below before planting the corresponding crops into soils sprayed with the product. At least 15 mm of rainfall is required before the plant back period begins. Planting crops following applications to dryland cotton may require longer plant back periods and/or interim rainfall. In some situations, there may be significant crop biomass reductions when winter crops are planted back after application of the product in dryland cotton.

Rate/ha	Plant Back Period (days) <sup>#</sup>				
	Barley	Canola	Chickpeas	Oats	Wheat
1170 mL	35	56	56	35	35

<sup>#</sup>Plant back period only commences once a minimum of 15 mm of rainfall or irrigation has been received following application.