

# CAUTION

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

 **BASF**

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# Stomp<sup>®</sup> Xtra

## Herbicide

**ACTIVE CONSTITUENT: 455 g/L PENDIMETHALIN**

GROUP	<b>3</b>	HERBICIDE
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For the control of wireweed, annual grasses (including annual ryegrass) and certain broadleaved weeds in various crops as shown in the DIRECTIONS FOR USE table.

**IMPORTANT: READ THE SAFETY DIRECTIONS BEFORE USING THIS PRODUCT**

CONTENTS: 10L - 1000L, Bulk

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**APVMA Approval No.: 52757/135800**

<b>CS</b>	FORMULATION TYPE Capsule Suspension
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## DIRECTIONS FOR USE

### RESTRAINTS

**DO NOT** use in irrigation channels or drains UNLESS ALL irrigation tailwater and rainfall can be captured and held on farm.

**Do NOT** sow sensitive summer crops such as sorghum and millets within 12 months of application of STOMP Xtra.

**Do NOT** apply to a poorly prepared seedbed.

**Do NOT** use STOMP Xtra mixed with atrazine on heavy clay soils.

**Do NOT** apply STOMP Xtra where waterlogging is likely to occur.

**Do NOT** apply STOMP Xtra by aerial application to sugar cane.

### 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. 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.

CROP	WEEDS CONTROLLED	STATE	RATE/TREATED HA	CRITICAL COMMENTS
<b>1. PRE-PLANT INCORPORATED TREATMENT (DOUBLE INCORPORATION)</b>				
Cotton	See Weed Table A	Qld, NSW only	2.2 L/ha	Incorporate into the soil within 24 hours of application. Use a combine with trailing harrows and chain or offset or tandem discs or Lilliston cultivators, set to work to a depth of 2-5 cm. Subsequent planting operations in irrigated cotton may remove the STOMP Xtra treated soil from hills leaving an untreated band over the row, requiring a further application of STOMP Xtra or other herbicides in that band. When the seedbed is rough, a second incorporation is necessary. STOMP Xtra may be applied by aerial or ground spraying. In the Macquarie Valley area, only apply by air when ground is too wet for ground application. (Refer note on "Incorporation" (a)). Use the higher rate on heavy textured soils or those high in organic matter and the lower rate on light to medium textured soils.
Cow peas, mung beans, navy beans, peanuts, pigeon peas and soybeans	See Weed Table A	Qld, NSW, ACT, NT only	1.8 to 2.2 L/ha	
Soybeans		Tas only		
Sunflowers		Qld, NSW, ACT, Vic, SA, Tas only		
Spring Onions, Shallots (pre-planting application)	Hogweed (wireweed) ( <i>Polygonum aviculare</i> )	All states	0.725 – 1.45 L/ha	The sensitivity and tolerance of all varieties of spring onions and shallots has not been fully evaluated. Only treat a small number of plants to ascertain their reaction before treating the whole crop. Apply as a single pre-planting application only; Soils containing a high percentage of organic matter can result in poor control. It is recommended that applications to soils containing a high percentage of organic matter (greater than 6%) be avoided; For best results, seedbeds should be free of weeds, trash and clods at the time of application.

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
<b>2. POST-PLANT PRE-EMERGENCE (OR POST EMERGENCE, ONION, INDUSTRIAL HEMP) SURFACE TREATMENT (OVERALL OR BAND SPRAYING): NON-MECHANICAL INCORPORATED</b>				
Cotton	See Weed Table B	Qld, NSW only	3.3 L/ha	<p>COTTON: Where incorporation prior to sowing is impractical and where the seedbed tilth is fine and free of large stones and trash, STOMP Xtra should be applied within 48 hours after sowing.</p> <p>SUNFLOWERS: Where incorporation prior to sowing is impractical and where the seedbed tilth is fine and free of large stones and trash, STOMP Xtra should be applied after sowing and before the emergence of the crop and weeds.</p> <p>Where fat hen or blackberry nightshade is expected to be a major problem, pre-plant incorporation (No. 1 application method), is preferred. (Refer section on "Incorporation" (a) and (b)).</p>
Sunflowers		Qld, NSW, ACT, SA only		
Broad beans	Poppies, wireweed ( <i>Polygonum aviculare</i> )	Tas only	2.9 L/ha	<p>MINIMUM PLANTING DEPTH</p> <p>Carrots: 15 mm / Parsnip: 15 mm</p> <p>Processing peas, Broad beans and French beans: 30mm</p> <p>Seed should be sown with press wheels or rollers behind the planter in order to ensure coverage of the seed and compaction of the seed bed. Apply STOMP Xtra to a fine firm seedbed free of ridges, clods and trash within 2 days after sowing. Use the higher rates on heavier textured soils or those with a higher organic matter content. Incorporate with 12 to 25 mm of spray irrigation or rainfall applied within one day of application for optimum performance. Do NOT disturb the soil by rolling or harrowing after STOMP Xtra has been applied. Do NOT apply where heavy rainfall or irrigation is likely to lead to water-logging. Do NOT use STOMP Xtra on soils with an organic matter content above 6% as inconsistent weed control will occur.</p> <p>FRENCH BEANS: For Qld, use in the Lockyer and Fassifern valleys only. Do NOT apply to French beans sown during the autumn, winter or early spring or which are likely to be stressed by cold weather.</p> <p>CARROTS: Apply post sowing and prior to crop emergence. In the event that the crop emerges before application, the application may still be applied to carrots NO LATER than at the cotyledon stage (BBCH10).</p> <p>PROCESSING PEAS: Apply as soon as possible after sowing (ideally within 2 days) and before the plumule is less than 13 mm from reaching the soil surface.</p> <p>RADISH: Apply as a single application with 2 days of sowing.</p>
Carrots,	See Weed Table D	Qld, NSW, ACT, Vic, SA, Tas, WA only	1.5 to 2.2 L/ha	
	Weed Table D plus Sowthistle ( <i>Sonchus oleraceus</i> ), wild radish ( <i>Raphanus raphanistrum</i> )		1.5 L/ha plus linuron at 1.0 kg ac/ha	
Parsnip, Raddish	See Weed Table D		1.45 to 2.2 L/ha	
French beans	See Weed Table D	Qld, Tas only	2.2 to 2.9 L/ha	
Processing peas		Qld, Vic only	1.5 to 2.9 L/ha	
		Tas Only	2.9 L/ha	
Maize	See Weed Table B	Qld, NSW, ACT, NT and Tas only	3.3 L/ha	<p>Where grasses are expected to be the major problem, this treatment is recommended - STOMP Xtra alone. Apply STOMP Xtra after planting and before emergence of crop and weeds. Do NOT incorporate this treatment. Avoid application in dry weather; this may cause pruning of aerial roots and lodging. (Refer sections on "Incorporation" (b) and (c)).</p>

CROP	WEEDS CONTROLLED	STATE	RATE/TREATED HA	CRITICAL COMMENTS
Maize	See Weed Table C	Qld, NSW, ACT, NT and Tas only	2.2 L/ha plus atrazine at 1.0 kg ac/ha	Where thornapple, Noogoora burr, Bathurst burr, caltrop, paddy melon or mintweed are expected to be the major problems, STOMP Xtra should be applied in a tank mix combination with atrazine after planting and before the emergence of crop and weeds. Do NOT incorporate this mixture. Follow directions on atrazine label carefully. This treatment should not lead to soil residue problems with atrazine as the application rate is low. Do NOT use STOMP Xtra mixed with atrazine on heavy clay soils as weed control may not be adequate. (Refer section on "Incorporation" (b) and (c)).
Onions	Hogweed (wireweed) ( <i>Polygonum aviculare</i> )	Tas only	550 mL to 730 mL	Apply in conjunction with other herbicides as advised by a qualified crop adviser to ensure that an adequate level of weed control is achieved in adverse conditions. <b>Pre-emergence:</b> Do NOT use on sandy soils. MINIMUM PLANTING DEPTH: 15 mm Apply from immediately after sowing until just prior to emergence. Apply STOMP Xtra to a fine, firm seedbed free of clods and trash. Use the higher rates on heavy textured soils or those with a high organic matter content. For optimum performance, incorporate with no more than 12 mm of spray irrigation within one day of application. Do NOT exceed 550 mL/ha if soil conditions are wet and cold.
		NSW, ACT, VIC, SA, WA and Tas only	730 mL to 1.45 L	<b>Post-emergence:</b> Apply STOMP Xtra from the first true leaf until the 3 leaf stage. Repeat applications may be made after the 1 leaf up to the 3 leaf stage providing total usage of STOMP Xtra on crop does not exceed 2.2 L/ha.  Apply in conjunction with other herbicides as advised by a qualified crop adviser to ensure that an adequate level of weed control is achieved in adverse conditions. Depth of sowing is critical. Onions must be sown to a depth of at least 15mm with press wheels or rollers behind planter to ensure coverage and compaction. DO NOT disturb the soil by rolling or harrowing after application. For optimum performance, incorporate with spray irrigation within a day of planting. However, DO NOT water heavily (no more than 12 mm irrigation) for at least 5 days after application. DO NOT exceed 550 mL/ha if soil conditions are wet and cold. DO NOT apply more than 3 times per season. DO NOT apply more than 2.2 L/ha per season. AVOID application to areas where water logging is likely to occur. DO NOT apply if heavy rain is likely within a week of application, as crop damage may result.



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CROP	WEEDS CONTROLLED	STATE	RATE/TREATED HA	CRITICAL COMMENTS
Onions	Hogweed (wireweed) ( <i>Polygonum aviculare</i> )	NSW, ACT, VIC, SA and WA only	550 mL to 730 mL (see Critical comments)	<p><b>Light/ sandy soils</b> DO NOT apply pre-emergence. <b>Application to moist soil is best.</b> Apply 550 -730 mL/ha post emergence at the 4-5 leaf stage, with 1-2 further applications of 550 -730 mL/ha as needed throughout the season (approx 3-4 weeks apart)</p>
			730 mL to 1.45 L (see Critical comments)	<p><b>Heavy/high organic matter soils</b> Application to moist soil is best. Apply 730 mL-1.45L/ha pre-emergence within 2 days of planting. Apply to a fine firm seed bed free of ridges, clods and trash. <b>For furrow irrigated crops, application to a dry seed bed, followed by irrigation within 5 days is optimal.</b> An application of 730 mL-1.1L/ha post emergence may be made at the 2 leaf stage. (Application at this stage may cause yellowing of onions).</p>
Leeks	Hogweed (wireweed) ( <i>Polygonum aviculare</i> )	All states	0.54 – 1.09 L/ha	<p><b>Transplanted crops:</b> Apply foliar spray at the 1.5 leaf stage of the crop and repeat application (if required) at the 3 leaf stage of the crop, as applicable to cultivar and location. Apply using 50 to 200 L-water/ha. DO NOT apply more than two (2) applications per crop. <b>Direct seeded crops:</b> Apply as per application instructions for onions. <b>WARNING: CROP PHYTOTOXICITY HAS BEEN OBSERVED IN SOME CASES,</b> with post-emergence-crop application. To reduce this or avoid it altogether, water the sprayed crop within 1 hour of application, to remove the chemical from the crop</p>
Garlic	Hogweed (wireweed) ( <i>Polygonum aviculare</i> )	Tas only	550 mL to 730 mL	DO NOT use on light/sandy soils. Avoid applying product to areas where waterlogging is likely to occur.
		NSW, ACT, VIC, SA, WA and Tas only	730 mL to 1.45 L	<p><b>Post-plant, pre-emergent</b> DO NOT use on sandy soils. Apply from immediately after sowing to just prior to emergence. Use the higher rate on heavy textured or highly organic soils. DO NOT exceed 0.56 L/ha if soil conditions are wet and cold. <b>Post-emergent</b> Apply from the first true leaf to the 3 leaf stage. Repeat applications may be made up to the 3 leaf stage providing total amount of product applied does not exceed 2.55 L/ha per season. Allow a minimum 14 day interval between spray applications. DO NOT apply more than 3 times per season. Apply in sufficient water volume to ensure adequate spray penetration of the crop, to provide complete and thorough coverage of weed foliage and soil. DO NOT exceed 0.75 L/ha if soil conditions are wet and cold. DO NOT apply spray if heavy rainfall is expected with a week of application. DO NOT apply to crops or weeds that are stressed.</p>

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
Industrial Hemp (not to be used in hemp intended for human consumption)	See Weed Table D	All states	1.45 - 2.2/ha	<p>Apply one pre-emergent (of weeds) application to control annual grasses and broadleaf weeds, or apply one post-emergent "over-the top" application to control small annual grasses and broadleaf weeds. Use suitable ground application equipment. Ensure equipment is correctly calibrated.</p> <p>Use lower rates when short residual control is required. Increase the application rate when longer residual control is required.</p> <p><b>To Avoid Crop Damage:</b> It is advisable to avoid spraying of emerging crops where possible. "Over-the-top" spray application has not been fully evaluated for industrial hemp crops under all growing conditions, and should only be considered a treatment option following trials that show hemp plants will tolerate herbicide application at the proposed rate and at the crop growth stages when treatment will be applied. Initially treat target weeds in a small area within the crop when "over-the-top" spray is to be applied, and closely monitor plant health. Discontinue applications when any adverse symptoms post-treatment are observed.</p>
<b>3. POST-PLANT PRE-EMERGENCE TREATMENT (INCORPORATED OR NON-INCORPORATED)</b>				
Sugar-cane	Awnless barnyard grass ( <i>Echinochloa colona</i> ), crowsfoot grass ( <i>Eleusine indica</i> ), green summer grass ( <i>Brachiaria subquadripara</i> ), guinea grass ( <i>Panicum maximum</i> cv. <i>Hamil</i> and cv. <i>Guinea</i> ), summer grass ( <i>Digitaria ciliaris</i> )	Qld, NSW, WA only	2.2 to 3.3 L/ha	<p>STOMP Xtra should be applied as soon as possible after planting and before sugarcane and weed emergence. Consolidation (cutaway operation) of the planting furrow prior to application to prevent soil movement into the base of the drill is recommended. Poor grass control is expected in soils which contain a high percentage of organic matter. (Refer section on "Incorporation" (a)).</p> <p>Use the higher rate where longer weed control is required or where incorporation by irrigation or rainfall is likely to be delayed more than 5 days.</p> <p>INCORPORATED: Under dry conditions or where some cultivation is expected after application STOMP Xtra should be thoroughly incorporated by finger rakes to a shallow depth. In subsequent tillage operations, cultivation depth should not exceed the depth of incorporation.</p> <p>WATER INCORPORATION: Incorporate using 12 to 25 mm of spray irrigation or rainfall. Incorporate as soon as possible and within 3-5 days after application. The area should not be disturbed by cultivation for the expected duration of weed control where this method of application is used. If excessive irrigation or rainfall occurs after the application of STOMP Xtra, resulting in the movement of soil from the top to the bottom of the planting drill, weed control will be reduced.</p> <p>Flood irrigation may not incorporate STOMP Xtra adequately if soils in the treatment area are variable or difficult to wet.</p>

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
<b>3. POST-PLANT PRE-EMERGENCE TREATMENT (INCORPORATED OR NON-INCORPORATED) CONT.</b>				
Sugar-cane	Blue top (blue billygoat weed) ( <i>Ageratum houstonianum</i> )	Qld, NSW, WA only	2.2 L/ha plus atrazine at 1.5 kg ac/ha or diuron at 1.5 kg ac/ha	For other broadleaved weeds higher rates of atrazine or diuron can be tank mixed with STOMP Xtra - see the relevant atrazine or diuron labels for details.  Tank mix: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix.
	Barnyard grass ( <i>E. crus-galli</i> ), blackberry nightshade ( <i>Solanum nigrum</i> ), blue top (blue billygoat weed) ( <i>Ageratum houstonianum</i> ), common sida ( <i>Sida rhombifolia</i> ), giant/black pigweed ( <i>Trianthema portulacastrum</i> ), glossy nightshade ( <i>Solanum americanum</i> ), green amaranth ( <i>Amaranthus viridis</i> ), Ipomoea spp., liverseed grass ( <i>Urochloa panicoides</i> ), milkweed (Mexican fire plant) ( <i>Euphorbia heterophylla</i> ), pigweed ( <i>Portulaca oleracea</i> )		2.2 L/ha plus 96 g ac/ha Imazapic present as the ammonium salt	Incorporate into the soil either by overhead irrigation, rainfall or mechanical incorporation, to a minimum depth of 5 cm.  Incorporate as soon as possible and within 3-5 days after application.  Tank mix: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix.

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
<b>4. PRE-TRANSPLANT TREATMENT</b>				
Transplanted broccoli, cabbage, cauliflower and processing tomatoes	See Weed Table D Weed Table D plus dwarf amaranth ( <i>Amaranthus macrocarpus</i> ), green amaranth ( <i>Amaranthus viridis</i> ), annual nettles ( <i>Urtica</i> spp.), Indian hedge mustard ( <i>Sisymbrium orientale</i> ), potato weed ( <i>Galinsoga parviflora</i> ), sowthistle, turnip weed ( <i>Rapistrum rugosum</i> ), wild radish, wild turnip ( <i>Brassica tournefortii</i> ), winter grass ( <i>Poa annua</i> )	All States	1.5 to 2.2 L/ha	Apply STOMP Xtra to a firm seedbed free of ridges, clods and trash between 2-7 days before transplanting.  Use the higher rates on heavier textured soils or those with a higher organic matter content. Incorporate with 12 to 25 mm of spray irrigation or rainfall applied within one day of application for optimum performance.  Mechanical disturbance to the seed bed at transplanting should be minimised to achieve optimum performance.  Do NOT apply after transplanting as damage will occur.  Do NOT apply where water-logging is likely to occur after transplanting or crop stunting will result.
			1.5 to 1.8 L/ha plus 9 L/ha Ramrod	
			1.5 to 2.9 L/ha	
Transplanted lettuce	See Weed Table D		0.725 – 1.45 L/ha	Do NOT use STOMP Xtra on soils with an organic matter content above 6% as inconsistent weed control will occur.
Brassica leafy vegetables & Rocket			1.45 – 2.2 L/ha	Ramrod* may be tank mixed with STOMP Xtra prior to transplanting <b>or</b> applied separately after transplanting.  DO NOT use on kale grown for fodder  Brussel sprouts : Make one application per crop by boomspray (use a spray volume of 50-200 L/ha).
Brussel sprouts				



CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
<b>5. PERENNIAL CROPS</b>				
Avocadoes, bananas, citrus, deciduous fruits, lychees, macadamia nut, mangoes, nuts, olives (not grapevines)	Dwarf amaranth, green amaranth, annual ryegrass, asthma plant ( <i>Euphorbia hirta</i> ), barnyard grass, chickweed ( <i>Stellaria media</i> ), crowsfoot grass, deadnettle ( <i>Lamium amplexicaule</i> ), fat hen ( <i>Chenopodium album</i> ), pigeon grass, pigweed ( <i>Portulaca oleracea</i> ), prickly lettuce ( <i>Lactuca serriola</i> ), sowthistle, summer grass, winter grass, wireweed	All States	6.5 to 8.7 L/ha	STOMP Xtra alone or STOMP Xtra plus simazine is likely to affect the emergence and growth of green manure crops such as oats or beans between rows of trees or vines, if they are sown into the treated band within 12 months of application. Use the higher rate on medium to heavy textured soils and the lower rate on light textured soils. Use a directed spray avoiding spray contact with green bark, fruit and foliage. If applied to freshly transplanted trees or vines, soils should be compacted prior to application of STOMP Xtra to avoid contact with roots Crop damage and/or reduced weed control may result if STOMP XTRA is not incorporated successfully. If insufficient rainfall follows within 10 days after application the product must be incorporated over the whole surface area treated through the use of overhead sprinklers or by mechanical means, using appropriate equipment to avoid root damage. Drip irrigation is inadequate for this purpose. A minimum of 10 - 15 mm of rain or sprinkler irrigation is normally required to incorporate STOMP XTRA into the soil. For best results, soil surface should be free of weeds, surface litter and clods at the time of application. If small weeds are present at the time of application, STOMP Xtra should be tank mixed with a knockdown herbicide at the recommended rate. DO NOT apply simazine mixtures to alkaline soils.
	As above plus prairie grass ( <i>Bromus unioloides</i> ), spotted medic ( <i>Medicago arabica</i> )		8.7 L/ha	
Citrus, deciduous fruits, and nuts (not grapevines)	As above plus cobbler's pegs ( <i>Bidens pilosa</i> ), curious weed ( <i>Schkuhria pinnata</i> ), stinking Roger ( <i>Tagetes minuta</i> )		6.5 L/ha plus simazine at 800 g ac/ha	
	As above plus caltrop ( <i>Tribulus terrestris</i> )		8.7 L/ha plus simazine at 1 kg ac/ha	
Established Lucerne seed crops only	Fat hen, summer grass ( <i>Digitaria sanguinalis</i> )	NSW, ACT, SA only	2.2 L/ha	During the spring months prior to irrigations, the lucerne stand should be grazed down hard to product a low trash soil surface. Apply STOMP Xtra and incorporate treatment by 12-25mm of spray irrigation or rainfall within one day of application.
	As above plus pigeon grass ( <i>Setaria</i> spp.)		3.3 L/ha	

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
Eucalypt forestry plantations	Amaranths ( <i>Amaranthus</i> spp.), annual rye grass, asthma plant ( <i>Euphorbia hirta</i> ), barnyard grass ( <i>Echinochloa crus-galli</i> ), chickweed ( <i>Stellaria media</i> ), crowsfoot grass ( <i>Eluesine indica</i> ), deadnettle ( <i>Lamium amplexicaule</i> ), fat hen ( <i>Chenopodium album</i> ), pigeon grass ( <i>Setaria</i> spp.), pigweed ( <i>Portulaca oleracea</i> ), prickly lettuce ( <i>Lactuca serriola</i> ), stagger weed ( <i>Stachys arvensis</i> ), sow thistle ( <i>Sonchus oleraceus</i> ), summer grass ( <i>Digitaria ciliaris</i> ), winter grass ( <i>Poa annua</i> ), wireweed ( <i>Polygonum aviculare</i> )	All States	6.5 L to 8.7 L/ha	PRE-PLANTING: Apply 7 to 2 days prior to transplanting. Use the higher rate on heavier textured soils or soils with higher organic matter. Mechanical disturbance should be minimised during planting to optimise performance. POST-PLANTING: Apply immediately following planting, before emergence of weeds. Repeat applications may be made as directed sprays to provide pre-emergence control of weeds. Emerged weeds should be controlled with carefully directed applications of a non-selective herbicide or over-the-top application of a selective herbicide. If applied to freshly transplanted trees, soils should be compacted prior to application to avoid contact with roots. Weed control may be reduced if rainfall or irrigation does not occur within 10 days of application. Flood irrigation may reduce control.
Teatree ( <i>Melaleuca alternifolia</i> )	Weed Table B plus dwarf amaranth, green amaranth, annual ryegrass, barnyard grass, chickweed ( <i>Stellaria media</i> ), crowsfoot grass, deadnettle ( <i>Lamium amplexicaule</i> ), fat hen, pigeon grass, pigweed, prickly lettuce ( <i>Lactuca serriola</i> ), sowthistle, summer grass, winter grass, wireweed	NSW, ACT, Qld, SA, NT only	3.3 to 6.5 L/ha	Do NOT tank mix with simazine as crop damage may result. For best results the soil surface should be free of weeds, surface litter and clods at the time of application. PRE-TRANSPLANTING: Apply 7 to 2 days prior to transplanting seedlings. Use the higher rates on heavier textured soils or soils with higher organic matter. Mechanical disturbance should be minimised during planting to optimise performance. Avoid contact of treated soil with seedling roots. POST-PLANTING: Apply immediately following planting and pre-emergence of weeds. If applied to freshly transplanted trees, soils should be compacted prior to application of STOMP Xtra to avoid contact with roots. Weed control may be reduced if rainfall or irrigation does not occur within 10 days of application. Flood irrigation may reduce control.
Pyrethrum Pre-emergence crops	See Weed Table D	Tas only	1.5 to 2.2 L/ha	Apply STOMP Xtra to seedbed within 10 days of sowing, prior to pyrethrum emergence. Apply at the lower rates on sandy soils. Incorporate with 12-25 mm of rainfall or irrigation within 1 day of application for optimum performance.
Pyrethrum Post-emergence crops			1.5 to 3.6 L/ha	Apply STOMP Xtra prior to weed germination at any stage of pyrethrum growth from 2 true leaf stage to pre-flowering, as advised by qualified crop advisor. Seek advice from qualified crop advisor before applying follow up applications in any one year. Incorporate with 12-25 mm of rainfall or irrigation within 1 day of application for optimum performance.

CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
Hops	Dwarf amaranth, green amaranth, annual ryegrass, asthma plant ( <i>Euphorbia hirta</i> ), barnyard grass, chickweed ( <i>Stellaria media</i> ), crowsfoot grass, deadnettle ( <i>Lamium amplexicaule</i> ), fat hen ( <i>Chenopodium album</i> ), pigeon grass, pigweed ( <i>Portulaca oleracea</i> ), prickly lettuce ( <i>Lactuca serriola</i> ), sowthistle, summer grass, winter grass, wireweed	All States	6.5 – 8.7 L/ha	Apply one application only prior to hop plants emerging from winter dormancy.  To activate treatment, a minimum of 5 mm rainfall is required, or irrigate soon as possible, no later than 10 days after application.  If small weeds are present at the time of application, STOMP Xtra should be tank mixed with a knockdown herbicide at the recommended label rate.
<b>6. ESTABLISHED TURF</b>				
TURF WARM SEASON SPECIES. Bahia grass, buffalo grass, couch, Kikuyu, salt water couch and Zoysia grass turf	Crowsfoot (crab grass), summer grass, winter grass	All States	3.3 L/ha or 33 mL/ 100 m <sup>2</sup>	The product should be incorporated by 10-15 mm of spray irrigation or rainfall as soon as possible within one day of application. Apply once every 10 weeks from early September to the end of February.
Queensland blue couch, hybrid couch cv. Tifdwarf			2.2 L/ha or 22 mL/ 100 m <sup>2</sup>	
TURF COOL SEASON SPECIES. Kentucky blue grass			3.3 L/ha or 33 mL/ 100 m <sup>2</sup>	The product should be incorporated by 10 –15 mm of spray irrigation or rainfall as soon as possible within one day of application.
Bent grass, perennial ryegrass.			2.2 L/ha or 22 mL/ 100 m <sup>2</sup>	Do NOT make more than one application of STOMP Xtra per year. (Refers to ryegrass, bent grass only).



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CROP	WEEDS CONTROLLED	STATE	RATE/ TREATED HA	CRITICAL COMMENTS
<b>7. IRRIGATION CHANNELS</b>				
Cotton irrigation banks, channels and drains	Barnyard grass, silvertop grass (brown beetle grass)	Qld, NSW only	3.3 to 6.5 L/ha	Use the lower rate when short term control is required. Apply in late winter or early spring after regrading or clearing channels. The soil should be loose and free of large clods. If 25-50 mm of rainfall has not fallen within 14 days of application the channel should be filled with water and allowed to stand for 1 day. The water in the channel should then be drained off and used to pre-irrigate cotton fields. Do NOT use water in channel to irrigate or pre-irrigate susceptible crops.
			4.4 L/ha plus diuron at 8.1 kg ac/ha	Use this mixture where long term control is required or a broader weed spectrum is present. See diuron label for details. Water in the channel should NOT be used to irrigate or pre-irrigate susceptible crops. Tank mix: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix.

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

**WITHHOLDING PERIOD**

**HARVEST**

**ALL USES [Except garlic]:** NOT REQUIRED WHEN USED AS DIRECTED

**GARLIC [Field Grown]:** NOT REQUIRED WHEN USED AS DIRECTED

**GARLIC [Covered Or Protected Grown/Treated]:** DO NOT ALLOW TREATED GARLIC GROWN IN COVERED OR PROTECTED SITUATIONS, SUCH AS, GLASSHOUSES, GREENHOUSES OR PLASTIC TUNNELS TO BE MADE AVAILABLE FOR HUMAN OR ANIMAL CONSUMPTION.

**GRAZING**

**ALL USES [Except Industrial Hemp and Hops]:** NOT REQUIRED WHEN USED AS DIRECTED

**INDUSTRIAL HEMP:** DO NOT GRAZE LIVESTOCK ON TREATED AREA OR CUT FOR FORAGE OR FODDER FOR 28 DAYS AFTER SPRAY APPLICATION.

**HOPS:** DO NOT GRAZE HOP FIELDS OR CUT FOR STOCKFEED FOR 8 WEEKS AFTER APPLICATION.

**WEED TABLES**

**A. IN COTTON, COW PEAS, MUNG BEANS, NAVY BEANS, PEANUTS, PIGEON PEAS, SOYBEANS, - with pre-plant incorporated treatment (double incorporation)**

The following weeds are controlled:

Barnyard grass	<i>Echinochloa</i> spp.	Native millet	<i>Panicum decompositum</i>
Button grass	<i>Dactyloctenium radulans</i>	Pale pigeon grass	<i>Setaria glauca</i>

Common heliotrope	<i>Heliotropium europeum</i>	Paspalidium (Brigalow grass)	<i>Paspalidium</i> spp.
Crested goosefoot	<i>Chenopodium cristatum</i>	Pepper grass	<i>Panicum whitei</i>
Crowsfoot grass	<i>Eleusine indica</i>	Pigweed	<i>Portulaca oleracea</i>
Dwarf amaranth	<i>Amaranthus macrocarpus</i>	Queensland blue grass	<i>Dichanthium sericeum</i>
Early spring grass	<i>Eriochloa</i> spp.	Red Flinders grass	<i>Iseilema vaginiflorum</i>
Fat hen	<i>Chenopodium album</i>	Scarlet pimpernel	<i>Anagallis arvensis</i>
Green amaranth	<i>Amaranthus viridis</i>	Small burr grass	<i>Tragus australianus</i>
Liverseed grass	<i>Urochloa panicoides</i>	Stink grass	<i>Eragrostis cilianensis</i>
Mexican clover (white eye)	<i>Richardia brasiliensis</i>	Weeping love grass	<i>Eragrostis parviflora</i>
Mossman River grass	<i>Cenchrus echinatus</i>	Wireweed	<i>Polygonum aviculare</i>

Useful suppression of the following weeds is also obtained:

Blackberry nightshade	<i>Solanum nigrum</i>	Mintweed	<i>Salvia reflexa</i>
Caltrop	<i>Tribulus terrestris</i>	Peppergrass	<i>Lepidium</i> spp.
Common verbena	<i>Verbena officinalis</i>	Stagger weed	<i>Stachys arvensis</i>

## B. IN COTTON, SUNFLOWERS, MAIZE and TEATREE - with post-plant pre-emergence surface treatment (STOMP Xtra alone)

The following weeds are controlled:

Barnyard grass	<i>Echinochloa</i> spp.	Pale pigeon grass	<i>Setaria glauca</i>
Button grass	<i>Dactyloctenium radulans</i>	Paspalidium (Brigalow grass)	<i>Paspalidium</i> spp.
Common heliotrope	<i>Heliotropium europeum</i>	Pepper grass	<i>Panicum whitei</i>
Crested goosefoot	<i>Chenopodium cristatum</i>	Pigweed	<i>Portulaca oleracea</i>
Crowsfoot grass	<i>Eleusine indica</i>	Queensland blue grass	<i>Dichanthium sericeum</i>
Dwarf amaranth	<i>Amaranthus macrocarpus</i>	Red Flinders grass	<i>Iseilema vaginiflorum</i>
Early spring grass	<i>Eriochloa</i> spp.	Scarlet pimpernel	<i>Anagallis arvensis</i>
Green amaranth	<i>Amaranthus viridis</i>	Small burr grass	<i>Tragus australianus</i>
Liverseed grass	<i>Urochloa panicoides</i>	Stink grass	<i>Eragrostis cilianensis</i>
Mexican clover (white eye)	<i>Richardia brasiliensis</i>	Weeping love grass	<i>Eragrostis parviflora</i>
Mossman River grass	<i>Cenchrus echinatus</i>	Wireweed	<i>Polygonum aviculare</i>
Native millet	<i>Panicum decompositum</i>		

Useful suppression of the following weeds is also obtained:

Caltrop	<i>Tribulus terrestris</i>	Mintweed	<i>Salvia reflexa</i>
Common sowthistle	<i>Sonchus oleraceus</i>	Peppergrass	<i>Lepidium</i> spp.
Common verbena	<i>Verbena officinalis</i>	Stagger weed	<i>Stachys arvensis</i>



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**C. IN MAIZE - with post-plant pre-emergence surface treatment of STOMP Xtra plus tank mix with atrazine.**

The following weeds are controlled in addition to those controlled by STOMP Xtra alone:

Bathurst burr	<i>Xanthium spinosum</i>	Noogoora burr	<i>Xanthium pungens</i>
Caltrop	<i>Tribulus terrestris</i>	Paddy melon	<i>Cucumis</i> spp.
Mintweed	<i>Salvia reflexa</i>	Thornapple	<i>Datura</i> spp.

The following weeds are not controlled by STOMP Xtra or the mixture with atrazine:

Bindweed	<i>Convolvulus</i> spp.	Nut grass	<i>Cyperus rotundus</i>
Wandering jew	<i>Commelina</i> spp.		

**D. IN CARROTS, PROCESSING PEAS, FRENCH BEANS, INDUSTRIAL HEMP, PARSNIP, RADISH, BRASSICA LEAFY VEGETABLES, ROCKET, BRUSSELS SPROUTS, TRANSPLANTED CABBAGE, CAULIFLOWER, BROCCOLI, LETTUCE, PROCESSING TOMATOES - with pre-emergence surface treatment after planting or before transplanting as directed and incorporated by spray irrigation.**

The following weeds are controlled:

Awnless barnyard grass	<i>Echinochloa colona</i>	Fat hen	<i>Chenopodium album</i>
Bittercress	<i>Coronopus didymus</i>	Green fat hen	<i>Chenopodium murale</i>
Bladder ketmia	<i>Hibiscus trionum</i>	Pigweed	<i>Portulaca oleracea</i>
Chickweed	<i>Stellaria media</i>	Prickly lettuce	<i>Lactuca serriola</i>
Deadnettle	<i>Lamium amplexicaule</i>	Shepherd's purse	<i>Capsella bursa-pastoris</i>
		Wireweed	<i>Polygonum aviculare</i>

Useful suppression only of the following weeds at the lower rates. Higher rates or tank mixtures are required for complete control (see Directions for Use table).

Annual nettles	<i>Urtica</i> spp.	Indian hedge mustard	<i>Sisymbrium orientale</i>
Blackberry nightshade	<i>Solanum nigrum</i>	Turnip weed	<i>Rapistrum rugosum</i>
Common sowthistle	<i>Sonchus oleraceus</i>	Wild radish	<i>Raphanus raphanistrum</i>
Fumitory	<i>Fumaria</i> spp.	Winter grass	<i>Poa annua</i>

**GENERAL INSTRUCTIONS**

STOMP Xtra Herbicide is a selective herbicide for the control of most annual grasses and certain broadleaved weeds. STOMP Xtra controls weeds by inhibiting seedling development; it will not control established weeds. For best results, seedbeds should be free of weeds, trash and clods at the time of application. Soils containing a high percentage of organic matter can result in poor control. It is recommended that application to soils containing a high percentage of organic matter (greater than 6%) be avoided.

Crop injury may result if cold, wet weather follows planting or if STOMP Xtra is applied to a poorly prepared seedbed. With the return of favourable growing conditions (warm weather), the crop will usually recover and resume normal growth.



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Caution: Prolonged periods of rainfall and/or excessive soil moisture at or following application may delay breakdown of STOMP Xtra capsules, resulting in reduced weed control.

STOMP Xtra may stain (yellow) any objects it contacts. Keep all objects, etc. that are not to be stained well clear of the product and spray.

### **MIXING**

Shake, invert or roll container several times before use. Put half the required volume of water in spray tank and start agitation. When using STOMP Xtra alone, add STOMP Xtra to partially filled tank and then add the remainder of the water. Mix thoroughly.

When using STOMP Xtra in tank mixes with products such as atrazine or diuron, mix these products as indicated on the relevant label and add the STOMP Xtra last, then complete filling of the tank. Maintain good agitation at all times until spraying is completed. If the spray mixture is allowed to settle, thorough agitation is essential to re-suspend the mixture before spraying is resumed. Note that when tank mixing STOMP Xtra with paraquat and glyphosate herbicides, the STOMP Xtra should be thoroughly mixed in the spray tank first, before adding a paraquat or glyphosate product.

Tank mix: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix.

### **APPLICATION METHOD**

**Ground Application:** Use conventional sprayers with either mechanical or by-pass agitation. Flat fan nozzles should be used. Spray equipment should be correctly calibrated to ensure proper application. If applying STOMP Xtra in tank mix combination with atrazine or diuron, nozzle screens must be no finer than 50 mesh. Apply the recommended quantity of STOMP Xtra in 50-200 litres of water per hectare. Where pre-emergence surface treatment is used, the higher rates of water are recommended.

#### **Aerial Application:**

Pre-plant soybeans, cotton, sunflowers, peanuts, navy beans, cow peas, mung beans, pigeon peas Apply the recommended quantity of STOMP Xtra in 25-60 litres of water per hectare. It is essential that the equipment is correctly calibrated and an even spray pattern is obtained. It is essential that markers be used and an accurate swath width is maintained. Do NOT apply if wind speed is greater than 16 km/hour. Always spray with a cross wind in accordance with recommended flying practice.

Do NOT apply STOMP Xtra Herbicide by aerial spraying in eucalypt forestry situations.

### **INCORPORATION:**

(a) STOMP Xtra works best if thoroughly mixed with soil either mechanically or by irrigation or rainfall. The aim of incorporation is to produce an even band of herbicide to intercept germinating weed seeds.

(b) Post-plant pre-emergence surface applications of STOMP Xtra alone, or as a tank mixture, are most effective in controlling weeds when adequate rainfall occurs or irrigation is applied as soon as possible and within 3-5 days after treatment to achieve incorporation. If no rain or irrigation is received within 3-5 days, light mechanical incorporation is required for optimum weed control, except when used on maize, carrots and rice, or on sugarcane, if water incorporation is used.

(c) Maize is tolerant to STOMP Xtra either alone or in mixtures with atrazine if the seed germinates below the chemically treated band. Maize, carrots and rice are NOT tolerant to STOMP Xtra if it is in direct contact with the seed.

### **CEREAL SEED DRESSINGS**

SOME FUNGICIDAL SEED DRESSINGS CAN SHORTEN COLEOPTILE LENGTH AND THIS CAN AFFECT EMERGENCE PARTICULARLY IF SEED IS SOWN TOO DEEP. WHEN THESE CEREAL SEED DRESSINGS



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ARE USED IN STOMP XTRA TREATED AREAS IT IS VERY IMPORTANT TO ENSURE THERE IS GOOD SEED DEPTH CONTROL AND TO SOW JUST BELOW (1 CM) THE CHEMICALLY TREATED BAND. CONSULT YOUR LOCAL DEPARTMENT OF AGRICULTURE AGRONOMIST FOR FURTHER ADVICE.

### WEATHER CONDITIONS AT PLANTING

Crop injury may result if cold weather follows planting. With the return of favourable growing conditions (warm weather), crops usually recover and resume normal growth. In cereals, prolonged cold wet conditions during germination and emergence can result in wheat or barley coleoptiles remaining in the treated band for an extended period. This can reduce emergence.

### COMPATIBILITY

Physical compatibility of STOMP Xtra has been tested with the following herbicides: atrazine, simazine, Imazapic (ammonium salt) prometryn, fluometuron, fluometuron plus prometryn, ametryn, paraquat, propanil, linuron, glyphosate, Ramrod\*, Logran\* and triallate. If tank mixing, observe the directions under mixing.

### FOLLOWING CROPS

In the event of crop failure the soil should be cultivated to a minimum depth of 15 cm to ensure any residues are evenly dispersed throughout the soil. If a maize crop fails due to weather conditions or some other reason, maize can be replanted the same year without adverse effects but seeding depth must be below the retilled area.

**The following crops may be sown after a minimum interval of 2 months after application of STOMP Xtra:** carrots, parsnips, parsley, celery, potatoes, peas, French beans, transplanted brassicas, transplanted lettuce, transplanted tomatoes, transplanted capsicums.

**The following crops may be sown after a minimum interval of 5 months after application of STOMP Xtra:** turnips, lettuce, radish, Brussels sprouts, cabbage, cauliflower, broccoli, onions, leeks, sweetcorn, pumpkins, squash, melons, cucumbers.

**The following crops may be sown after a minimum interval of 12 months after application of STOMP Xtra:** redbeet (beetroot), spinach, silverbeet, poppy.

### HERBICIDE RESISTANCE WARNING

#### GROUP 3 HERBICIDE

STOMP Xtra Herbicide is a member of the dinitroaniline group of herbicides. STOMP has the inhibition of tubulin formation mode of action. For weed resistance management, STOMP is a Group 3 herbicide. Some naturally-occurring weed biotypes resistant to STOMP and other Group 3 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 STOMP or other Group 3 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of STOMP to control resistant weeds.

### PRECAUTION

#### Re-entry period

Do NOT allow entry into treated areas for 12 hours. When 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.





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### **PROTECTION OF CROPS, NATIVE 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 pastures.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish and other aquatic life.

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

DO NOT apply or allow spray to drift onto adjacent aquatic areas (ponds, streams, lakes, rivers and waterways).

Allow sufficient buffer distances between downwind water bodies and the sprayed area.

### **STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of 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 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.

#### **100 L, 110 L ONLY**

Store in the closed, original container in a cool, well-ventilated area.

Do NOT store for prolonged periods in direct sunlight. Empty container by pumping through the dry-break Micro Matic connection system. Do NOT attempt to unscrew the Micro Matic valve or breach the locked filling point. Do NOT contaminate the container with water or other foreign material. Ensure that the Micro Matic coupler, pump, meter and hoses are disconnected, triple rinsed with clean water and drained after each use. When empty, or contents no longer required, return the container to the point of purchase. Do NOT dispose of undiluted chemicals on-site.

#### **1000L, BULK ONLY**

Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. Do NOT dispose of undiluted chemicals on-site.

### **SAFETY DIRECTIONS**

Will irritate the eyes. Avoid contact with eyes. Wash hands after use. When preparing and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. 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 76

### **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet available from your supplier.

### **CONDITIONS OF USE**

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non-excludable conditions or warranties of



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the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval Number: 52757/135800

Batch No:

Date of Manufacture:

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