

CAUTION

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

Platinum[®] Xtra 360

Herbicide

ACTIVE CONSTITUENT: **360 g/L CLETHODIM**

SOLVENT: 534 g/L LIQUID HYDROCARBONS

GROUP 1 HERBICIDE

For the control of certain grass weeds in beetroot, cabbage, canola, celery, cotton, forestry, lettuce, non-bearing fruit trees, onions, ornamentals, peanuts, pulses (including adzuki beans, broad beans, chickpeas, faba beans, field peas, lentils, lupins and mung beans), potatoes, soybeans and pasture legume (lucerne, clover and medic), seed crops (and pastures) as per the Directions for Use table

Formulation type
Emulsifiable Concentrate EC



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CONTENTS: 1 L to 1000 L

DIRECTIONS FOR USE

RESTRAINTS: DO NOT apply without the addition of an adjuvant.

DO NOT apply to plants that are stressed by moisture or temperature extremes.

DO NOT apply if rain is expected within one hour of application.

DO NOT apply PLATINUM[®] XTRA 360 Herbicide more than once to any one crop.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS	
Canola Pulse crops (including adzuki beans, broad beans, chickpeas, faba beans, field peas, lentils ^{..} , lupins [#]) Pasture legume (lucerne, clover and medic) Seed Crops and Pastures¹ (including pastures containing chicory and plantain).	Canola: DO NOT APPLY after flower buds become visible (green buds) Adzuki beans: DO NOT APPLY after first flower buds are visible. Chickpeas: DO NOT APPLY beyond full flowering	Annual ryegrass (<i>Lolium rigidum</i>), Annual phalaris (<i>Phalaris minor</i>)	100 to 330	2-leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, SA, WA only	Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. ^{..} Application up to 7-node/early branching crop growth stage only. [#] NOT Qld ¹ See use of PLATINUM [®] XTRA 360 Herbicide in pastures under General Instructions.	
		Barley grass (<i>Hordeum leporinum</i>), Brome grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)	115 to 330				
	Faba beans, broad beans: DO NOT APPLY beyond full flowering Field peas: DO NOT APPLY beyond full flowering Lentils: Apply up to the 7 node/early branching stage of crop growth Lupins: DO NOT APPLY after 80% of flowers have opened	Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>)	130 [^] to 330 [^] (115 to 330 in WA only)				
		Volunteer barley (<i>Hordeum vulgare</i>)	330				
	Silver grass (<i>Vulpia bromoides</i>) -suppression only	165 to 330	2 to 5-leaf stage				NSW, ACT, Vic, Tas only
	Paradoxa grass (<i>Phalaris paradoxa</i>)	165 to 250					
		250 to 330	2-leaf to fully tillered	Qld, NSW, ACT only			

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Cotton (Qld, NSW and NT only), Peanuts, Mung beans, Soybeans, Pasture legume (lucerne, clover and medic) Seed Crops and Pastures ¹ (including pastures containing chicory and plantain).	Cotton: DO NOT APPLY after full flowering (mid bloom) Peanuts: DO NOT APPLY after the pod fill stage of crop development Mung beans: DO NOT APPLY after first flower buds are visible Soybeans: DO NOT APPLY after first flower buds are visible	Barnyard grass (<i>Echinochloa</i> spp.), Blown grass (<i>Agrostis avenacea</i>), Crowfoot grass (<i>Eleusine indica</i>), Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass ² (<i>Sorghum halepense</i>), Summer grass (<i>Digitaria</i> spp.), Volunteer sorghum (<i>Sorghum</i> spp.)	165 to 250	2 to 5-leaf stage	Qld, NSW, ACT, Vic, WA, NT only	Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. ¹ See use of PLATINUM® XTRA 360 Herbicide in pastures under General Instructions. ² Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoots.
			250 to 330	5-leaf to fully tillered		

CROP	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS	
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	Barnyard grass (<i>Echinochloa</i> spp.), Blown grass (<i>Agrostis avenacea</i>), Crowfoot grass (<i>Eleusine indica</i>), Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Paradoxa grass (<i>Phalaris paradoxa</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass (<i>Sorghum halepense</i>) ¹ , Summer grass (<i>Digitaria</i> spp.), Volunteer sorghum (<i>Sorghum</i> spp.)	165 to 250	2 to 5-leaf stage	All states	Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150 L/ha when spraying dense grass populations. ¹ Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoots.	
		250 to 330	5-leaf to fully tillered			
	Annual ryegrass (<i>Lolium rigidum</i>), Annual phalaris (<i>Phalaris minor</i>)	100 to 330	2-leaf to fully tillered			Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150 L/ha when spraying dense grass populations.
	Barley grass (<i>Hordeum leporinum</i>), Brome grass (<i>Bromus diandrus</i>), Wild oats (<i>Avena</i> spp.)	115 to 330				
	Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>)	130 [^] to 330 [^] (115 to 330 in WA only)				
	Volunteer barley (<i>Hordeum vulgare</i>)	330				
	Silver grass (<i>Vulpia bromoides</i>) - suppression only (not Qld, WA)	165 to 330				
	Winter grass (<i>Poa annua</i>)	330				

CROP	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Forestry, Non-bearing Fruit Trees and Ornamentals	Annual ryegrass (<i>Lolium rigidum</i>), Annual phalaris (<i>Phalaris minor</i>), Barley grass (<i>Hordeum leporinum</i>), Barnyard grass (<i>Echinochloa</i> spp.), Blown grass (<i>Agrostis avenacea</i>), Brome grass (<i>Bromus diandrus</i>), Crowfoot grass (<i>Eleusine indica</i>), Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Paradoxa grass (<i>Phalaris paradoxa</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass (<i>Sorghum halepense</i>) ¹ , Silver grass (<i>Vulpia bromoides</i>), - suppression only (not Qld, WA), Summer grass (<i>Digitaria</i> spp.), Volunteer sorghum (<i>Sorghum</i> spp.), Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>), Volunteer barley (<i>Hordeum vulgare</i>), Winter grass (<i>Poa annua</i>)	330	2-leaf to fully tillered	All States	Apply after plants have recovered from transplant shock and are showing signs of active growth. Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. Use a spray volume of 150 L/ha when spraying dense grass populations. DO NOT use on Gymnosperms (pines, conifers, etc) unless a prior test has been conducted to check safety on the relevant species. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for particular species. ¹ Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoots.

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

WITHHOLDING PERIODS

HARVEST:

PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES:
NOT REQUIRED WHEN USED AS DIRECTED.

CANOLA, COTTON, PEANUTS, PULSES (ADZUKI BEANS, BROAD BEANS, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS) AND SOYBEANS:
NOT REQUIRED WHEN USED AS DIRECTED.

FORESTRY:
NOT REQUIRED WHEN USED AS DIRECTED.

BEETROOT, CABBAGE: DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.
ONIONS: DO NOT APPLY LATER THAN 14 DAYS BEFORE HARVEST.
LETTUCE, POTATOES: DO NOT APPLY LATER THAN 4 WEEKS BEFORE HARVEST.
CELERY: DO NOT APPLY LATER THAN 9 WEEKS BEFORE HARVEST.

GRAZING:

PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES:
DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.

CANOLA, PEANUTS, PULSES (ADZUKI BEANS, BROAD BEANS, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS) AND SOYBEANS:
DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION.

COTTON: DO NOT GRAZE OR CUT COTTON FORAGE OR STUBBLE FOR STOCK FEED.

GENERAL INSTRUCTIONS

CLEANING SPRAY EQUIPMENT

Before using PLATINUM® XTRA 360 Herbicide -

Ensure that the recommended clean-out procedure for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

After using PLATINUM® XTRA 360 Herbicide -

Empty the tank and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean all filters in the tank, pump line and nozzles. Use of a household detergent will aid in cleaning the equipment. Add detergent to the part-filled spray tank and thoroughly circulate through pumps, hoses and nozzles. Drain the system and thoroughly rinse twice with clean water.

Rinse water should be discharged onto a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and water sources.

MIXING

To ensure even mixing, half-fill the spray tank with clean water and add the required amount of product. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

APPLICATION

Ground Application:

PLATINUM® XTRA 360 Herbicide should be applied with calibrated spray equipment producing MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application:

PLATINUM® XTRA 360 Herbicide can be applied through aircraft fitted with boom or Micronair equipment. A spray volume of 20 to 30 L/ha is recommended and equipment should be adjusted to produce MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles.

Best results will be obtained when aerial applications are made in a light crosswind. Applications should not be made during temperature inversions or in conditions of very low relative humidity. Care should be taken to avoid drift damage to adjoining grass crops.

USE OF PLATINUM® XTRA 360 HERBICIDE ON PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES AND PASTURE HERBS

PLATINUM® XTRA 360 Herbicide has been demonstrated to be safe when applied to the following cultivars during early establishment.

Pasture Legumes: Clover (*Trifolium* spp.)

Annual: Subterranean clover (Dalkeith, Dalsa, Goulburn, Koala, Nungarrin, Riverina, Seaton Park and York A), Arrowleaf clover (Zulu II), Balansa clover (Enduromax, Frontier, Paradana), Berseem clover (Elite II), Gland clover (Prima), Persian clover (Prolific, Leeton), Rose clover (Hylon)

Perennial: Strawberry clover (Palestine), White clover (NuSiral)

Lucerne and Medics (*Medicago* spp.)

Lucerne (Aurora, Field, Genesis, Hunterfield, Multileaf, Salado, Sardi SEVEN, Sceptre and Venus), Barrel medic (Sephi, Jester Paraggio, Caliph), Burr medic (Scimitar, Santiago), Snail medic (Silver)

Serradella (*Ornithopus* spp.)

French or Pink serradella (Cadiz), Yellow serradella (Charano, Santorini)

Pasture Herbs:

Chicory (Puna II) and Plantain (Tonic)

Apply PLATINUM® XTRA 360 Herbicide when plants have reached 2-4 trifoliolate leaf stage, or after 40 days from sowing. Some pasture varieties may exhibit an initial reduction in crop vigour or biomass, however, these symptoms are transient and crops recover fully with no effect on yield.

COMPATIBILITY

PLATINUM® XTRA 360 Herbicide is compatible with the following grass herbicides: Targa*, Fusilade*, Verdict*, Sertin* and Correct*. (Refer to the Bayer Correct* label for detail on adjuvant recommendations for that product).

NOTE: In all situations where PLATINUM® XTRA 360 Herbicide is mixed with another grass herbicide, PLATINUM® XTRA 360 Herbicide should be used at the full label rate specified for the target weed species. PLATINUM® XTRA 360 Herbicide may also be applied in tank mixtures with one of the following products: esfenvalerate, alpha-cypermethrin and Le-Mat*.

PLATINUM® XTRA 360 Herbicide should not be applied in a tank mix with diflufenican, MCPA or Blazer*. Apply as separate applications. For information on compatibility of products not listed, please refer to Adama Australia.

RESISTANCE WARNING

PLATINUM® XTRA 360 Herbicide is a member of the cyclohexanedione group of herbicides.

GROUP	1	HERBICIDE
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PLATINUM® XTRA 360 Herbicide has the inhibition of acetyl coA carboxylase mode of action. For weed resistance management, PLATINUM® XTRA 360 Herbicide is a Group 1 Herbicide. Some naturally-occurring weed biotypes resistant to PLATINUM® XTRA 360 Herbicide and other Group 1 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 PLATINUM® XTRA 360 Herbicide or other Group 1 Herbicides. Since occurrence of resistant individuals is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of PLATINUM® XTRA 360 Herbicide to control resistant weeds.

CAUTION

Ornamentals and Trees - While PLATINUM® XTRA 360 Herbicide is generally selective to broadleaved plants (i.e. it is active against grasses), tests should always be made on a small number of plants not previously tested.

DO NOT use on Gymnosperms (pines, conifers, etc.) unless a prior test has been conducted to check safety on the relevant species.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply PLATINUM® XTRA 360 Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. PLATINUM® XTRA 360 Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift. Care should be taken to avoid damage to adjoining native grasses or grass crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Protect from frost. 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 for appropriate disposal 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 container or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate eyes and skin. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting. Give a glass of water.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for PLATINUM® XTRA 360 is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of PLATINUM® XTRA 360 Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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