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ALBAUGH ALTHYLAZINE 875 WG HERBICIDE

DIRECTIONS FOR USE
RESTRAINTS:
DO NOT apply by aircraft.
DO NOT apply to waterlogged soil.
DO NOT apply to fields where the slope exceeds 3%.
DO NOT apply if heavy rains or storms that are likely to cause surface runoff are forecast within two days of application.
DO NOT irrigate to the point of runoff for at least 2 days after application.
DO NOT use as a pre-emergence application in sorghum during the wet season in the Northern Irrigation areas of Western Australia.
DO NOT apply more than 1.2 kg/ha per crop.

SPRAY DRIFT RESTRAINTS
Specific definitions for terms used in this section of the label can be found at www.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 **Coarse** spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section) are observed.

Buffer zones for boom sprayers

Application rate kg/ha	Mandatory downwind buffer zones	
	Natural aquatic areas	Vegetation areas
1.20	60 m	30 m

CROP	SITUATION	WEEDS	RATE kg/ha	CRITICAL COMMENTS
Chickpeas, Faba beans, Field peas, Lupins	Pre-Sowing Post-Sowing, Pre Emergence (PSPE). Apply to the soil within 2 days after sowing.	Burr medic, Black bindweed, Corn gromwell (White iron weed, Sheep weed), Dead nettle, Indian hedge mustard, Long haired poppy, Mint weed, Ox tongue, Prickly lettuce, Shepherd's purse, Sow thistle, Toadrush, Turnip weed, Wild gooseberry, Wild turnip, Wireweed/Hogweed	0.86 to 1.20 0.60 to 0.86	Albaugh Althylazine 875 WG Herbicide can be used Pre-Sowing or PSPE. Ensure the crop is sown with at least 3 cm and preferably 5 cm of soil. Refer to the application section of the label. Use the lower rate on light soils (sandy loams to loamy sands) and the higher rate on heavier soils (loam, silt plus clay 40-60%). The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. In Pulse crops DO NOT use rates higher than 0.86 kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. **NOTE:** Some early crop phytotoxicity may be observed particularly on light soils. Heavy, intense rainfall following application may cause crop damage. At the higher rates, avoid.
Canola (TT or Triazine Tolerant varieties	Pre-Sowing Post-Sowing, Pre Emergence (PSPE). Apply to the soil within 2 days after sowing.	**Suppression of:** Annual ryegrass, Doublegee/Spiny emex, Wild oats, Wild radish, Phalaris, Silver grass	0.86 to 1.20 0.60 to 1.20	
	Early Post Emergence	Wild radish, Dead nettle. **Suppression of:** Annual ryegrass, Doublegee/Spiny emex, Wild oats, Phalaris	0.60 to 1.20	Apply when weeds are actively growing. Apply to the 6 leaf stage of canola. Use the higher rate on weeds 6-8 true leaves at time of application. Always add Hasten* at 500 mL/100 L water. DO NOT add any other herbicide adjuvant or wetter.
Lentils, Vetch (not irrigated only)	Pre-Sowing (IBS only)	Burr medic, Black bindweed, Corn gromwell (White iron weed, Sheep weed), Dead nettle, Indian hedge mustard, Long haired poppy, Mint weed, Ox tongue, Prickly lettuce, Shepherd's purse, Sow thistle, Toadrush, Turnip weed, Wild gooseberry, Wild turnip, Wireweed/ Hogweed. **Suppression of:** Annual ryegrass, Doublegee/Spiny emex, Phalaris, Silver grass, Wild oats, Wild radish.	0.86 to 1.20	Apply pre-sowing and Incorporate By Sowing (IBS) using knife points and press-wheels only. Ensure the seed is covered with at least 3 cm and preferably 5 cm of soil. Refer to the APPLICATION section of the label. Do not use on light soils (i.e., sandy loams to loamy sands, less than 40% clay). Use the lower rate on light weed infestations. Do not use rates higher than 0.86 kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30 mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. **NOTE:** Some early crop phytotoxicity may be observed at the high rate. Heavy, intense rainfall following application may cause crop damage. Avoid overlapping sprays and spraying out corners.
Sorghum	Pre-Sowing AND Post-Sowing Pre-emergence	Bladder ketmia, Caltrop (yellow vine), Dwarf amaranth, Milk thistle (sow thistle) and Pigweed.	1.20	Apply to soil pre-sowing or post-sowing. Refer to the APPLICATION section below.
	Post-emergence	Boggabri weed, Noogoora burr, Sow thistle (Milk thistle), Turnip weed, Wild gooseberry. All weeds above plus Annual ground cherry, Apple of Peru, Bathurst burr, Bladder ketmia, Caltrop (yellow vine), Cow vine (peach vine), Dwarf amaranth, Giant (black) pigweed, Pigweed (red), Thorn apples (Datura spp).	1.20 0.95 PLUS 500 - 750 mL/ha fluroxypyr (200 g/L)	Always add Hasten at 500 mL/100 L water. Apply up to the 5 - 7 leaf stage of sorghum. Refer to the fluroxypyr label for complete directions and rate selection.
Application to fallows prior to planting mung beans, soybeans, barley oats and wheat as directed in the Fallows section of the label (NSW and QLD only)	Pre-emergence	African turnip weed, Burr medic, Black bindweed, Corn gromwell (White iron weed, Sheep weed), Dead nettle, Indian hedge mustard, Flax leaf fleabane, Long haired poppy, Mint weed, Ox tongue, Prickly lettuce, Shepherd's purse, Sow thistle/Milk thistle, Toadrush, Wild gooseberry, Wild radish, Wild turnip, Wireweed/Hogweed (*Polygonum aviculare*). **Suppression of:** Annual ryegrass, Bladder ketmia, Boggabri weed, Caltrop/yellow vine, Doublegee/ Spiny emex, Dwarf amaranth, Phalaris, Pigweed, Wild oats, Wild radish.	0.86 - 1.20	Apply to moist soil or when rain is imminent and prior to germination of weeds. Use the higher rate where the soil is covered by more than 50% trash/stubble/weeds, for heavy weed pressure or for longer weed control. If weeds are present, cultivate or apply a knockdown herbicide prior to applying Albaugh Althylazine 875 WG Herbicide. Albaugh Althylazine 875 WG Herbicide may also be tank-mixed with certain knockdown herbicides. See Compatibility section of the label. Avoid spray overlap and double spraying on headlands and corners. Refer to the Fallows section of the label for plantback instructions.
Cereals (wheat, oats, barley)	Pre-Sowing (IBS only)	Burr medic, Black Bindweed, Corn gromwell (White iron weed, Sheep weed), Dead nettle, Indian hedge mustard, Long haired poppy, Mint weed, Ox tongue, Prickly lettuce, Shepherd's purse, Sow thistle, Toadrush, Turnip weed, Wild gooseberry, Wild turnip, Wireweed. **Suppression of:** Annual ryegrass, Doublegee/Spiny emex, Phalaris, Silver grass, Wild oats, Wild radish.	0.86 to 1.20	Apply pre-sowing and Incorporate By Sowing (IBS) using knife points and presswheels only. Ensure the seed is covered with at least 3 cm and preferably 5 cm of soil. Refer to the APPLICATION section of the label. Use the lower rate on light soils (sandy loams to loamy sands) and the higher rate on heavier soils (loams, silt plus clay 40-60%). Do not use rates higher than 0.86 kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30 mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. **NOTE:** Some early crop phytotoxicity may be observed particularly on light soils. Heavy, intense rainfall following application may cause crop damage. At the higher rates, avoid over-lapping sprays and spraying-out corners.
Wheat and barley		All Cereals weed claims above plus control of Annual ryegrass	0.86 to 1.20 plus 2 L/ha of a 480 g/L trifluralin product.	
		All Cereals weed claims above plus control of wild oats	0.86 - 1.20 plus 2 L/ha of a 500 g/L triallate product.	

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

WITHHOLDING PERIODS:
Harvest:
NOT REQUIRED WHEN USED AS DIRECTED.
Grazing
Chickpeas, Faba beans, Field peas, Lentils, Vetch, Lupins and Canola: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.
Sorghum: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.
Fallows: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.
Cereals (wheat, barley, oats): DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS
Albaugh Althylazine 875 WG Herbicide can be used to selectively control weeds in the crops listed in the directions for use table and on fallows prior to establishing crops as directed in Fallows section below.
When applied pre-emergence, the product is mainly absorbed via the roots. Weeds buried by cultivation may not be effectively controlled. Heavy rainfall on light soils may cause movement of the herbicide out of the weed seed zone, resulting in reduced weed control. Do not apply to recently burnt stubble/trash. After burning, rainfall or cultivation is required to allow Albaugh Althylazine 875 WG Herbicide to reach the soil and not be irreversibly bound by ash. Sufficient rainfall (20 to 30 mm either as rainfall or irrigation) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application to make the product effective. Weeds may germinate and emerge before being controlled by Albaugh Althylazine 875 WG Herbicide. A delay in rainfall beyond 3 weeks may result in weeds germinating from depth and surviving.
Where soil has a high potential for leaching, heavy rainfall between application and crop emergence may result crop damage from movement of herbicide into the crop seed zone. In flood or furrow irrigation situations, complete and continued activation of the product may not occur due to a thin band of dry soil on the surface during or after irrigation. Mechanical incorporation after application, using light harrows to incorporate the product into the soil not more than 4 cm deep is required to ensure the irrigation water activates the product. Always apply the product to an even un-ridged seedbed.
Dense weed populations and multiple germinations (especially Wild radish) may require both a pre-emergent and post-emergent herbicide treatment (only one being Albaugh Althylazine 875 WG Herbicide) to give acceptable control.

MIXING
Do not mix or load within 20m of any well, dam, intermittent or perennial stream. Partially fill the spray tank with water and maintain agitation while adding the required quantity of Albaugh Althylazine 875 WG Herbicide. Agitation should continue after filling and during spraying. If spray is allowed to stand, agitate thoroughly before resuming spraying.

APPLICATION
Pre-Sowing
Albaugh Althylazine 875 WG Herbicide can be applied to either cultivated or un-worked soil up to 7 days prior to sowing. If cultivated, the soil should be relatively level before spraying and after sowing. Incorporation By Sowing (IBS) Best results are achieved when Incorporated By Sowing, using minimum-tillage sowing equipment (fitted with knife points or blades less than 12 mm wide and minimum 20 cm tyne spacing) followed by press wheels. Do not use a combination of press wheels plus harrows or chains when sowing. A high level of trash (greater than 50% ground cover) may reduce weed control and hamper the sowing operation. For crop safety, maintain slow to moderate speed to avoid leaving deep furrows and avoid throwing soil into adjacent furrows. Deep furrows may also lead to reduced weed control in the crop row.
Post Sowing Pre Emergence (PSPE)
Apply within 2 days of sowing to soil which is relatively flat after the sowing operation. This may require trailing harrows, prickle chain or a separate rolling operation to leave the soil in an un-ridged condition after sowing and before the application.
Post Emergence
Albaugh Althylazine 875 WG Herbicide can be applied to weeds growing in Triazine Tolerant canola up to 6-leaf stage and sorghum up to 5-7 leaf stage of the crop. Always add Hasten at 500 mL/100 L water.
Fallow Application
Albaugh Althylazine 875 WG Herbicide can be applied to a fallow to provide pre-emergence control of certain weeds emerging prior to sowing nominated crops below. Apply to moist soil or when rain is imminent and prior to germination of weeds. If weeds are present, cultivate or apply a knockdown herbicide prior to applying Albaugh Althylazine 875 WG Herbicide. Albaugh Althylazine 875 WG Herbicide may also be tank-mixed with certain knock-down herbicides.
Observe the following plant-back intervals between the date of application and the intended planting date of the following crop thus:

Following crop after application to fallow	Albaugh Althylazine 0.86 kg/ha	Albaugh Althylazine 1.2 kg/ha
Mung beans, Soybeans	3 months	4 months
Barley, Oats, Wheat	4 months	5 months

These plant-backs are based on average seasonal rainfall. Under dry conditions, the breakdown of Althylazine in the soil may take longer and further advice should be sought from Albaugh Australia Pty Ltd.

CROP SAFETY
The safety of Albaugh Althylazine 875 WG Herbicide to cereals and Pulse crops is due to both physically placing seed below the treated soil and to biological tolerance. A crop which is slow to germinate, emerge and grow due to frost, waterlogging, insects or disease will be less tolerant of any herbicide uptake. The following factors are most important for crop safety –
- In cereals and Pulse crops ensure the seed is covered with at least 3 cm and preferably 5 cm of soil.
- In cereals and Pulse crops, do not use rates higher than 0.86 kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur.

Heavy rain after application onto ridged soil in particular may cause crop damage from Albaugh Althylazine 875 WG Herbicide washed into the seed furrow. At the higher rates, avoid over-lapping sprays and spraying-out corners.
- Avoid soils which are prone to water logging or where the furrows are likely to collapse after sowing.
- Avoid using fungicide seed treatments known to reduce seedling vigour, particularly if mixing Albaugh Althylazine 875 WG Herbicide with other herbicides.
- Sowing with disc seeders may lead to an acceptable crop damage in cereals and Pulse crops.

RESISTANT WEEDS WARNING
GROUP 5 HERBICIDE
Albaugh Althylazine 875 WG Herbicide is a member of the triazines group of herbicides. Albaugh Althylazine 875 WG Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management Albaugh Althylazine 875 WG Herbicide is a Group C herbicide.
Some naturally occurring weed biotypes resistant to Albaugh Althylazine 875 WG Herbicide and other triazine 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 Albaugh Althylazine 875 WG Herbicide or any other Group C herbicides.
Since the occurrence of resistant weeds is difficult to detect prior to use, Albaugh Australia Pty Ltd accepts no liability for any losses that may result from the failure of Albaugh Althylazine 875 WG Herbicide to control resistant weeds.

INTEGRATED WEED MANAGEMENT STRATEGY FOR TT CANOLA
The use of this product in TT canola is subject to the current approved Integrated Weed Management Strategy for the use of triazine herbicides in TT canola' The Strategy encompasses: Integrated Weed Management; the specific management of crop plant volunteers and outcrossing to other plants; and triazine herbicide residue management (agronomic and environment).
Compliance with registered label directions and adoption of the principles outlined in the Strategy will assist with implementation of crop management practices that minimise the development of herbicide resistance in treated weeds; reduce the levels of triazine residues in the environment; and manage volunteer plants and outcrossing. Copies of the Strategy are available from Albaugh Australia Pty Ltd.
Where specific information and farm management assessment is required to assist with application of Integrated Weed Management programs on-farm, particularly in adapting strategies to local conditions, then specific expert advice should be obtained from an appropriate agronomist, consultant, chemical supplier or Departmental adviser.
To minimise herbicide resistance:
- Avoid dry sowing in heavily weed infested paddocks. Wait for weed germination after the opening rains in weedy paddocks. Use a pre-plant knockdown or cultivation. No weeds should be allowed to survive at this stage.
- DO NOT use Albaugh Althylazine 875 WG Herbicide if the area to be treated had a triazine herbicide applied to it last season.
- Watch for escapes, especially in paddocks with a long history of Group C herbicide use.
- DO NOT use Group 5 herbicides in consecutive years.

Resistant Weeds Reporting
Growers should collect plant or seed samples where weeds that are normally susceptible to atrazine, simazine and terbuthylazine may be resistant; get them tested and seek professional advice.

RE-ENTRY PERIOD
Do not allow entry into treated areas for 8 days. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist over normal clothing and Chemical resistant gloves.
Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with the product or used containers. After application of Albaugh Althylazine 875 WG Herbicide, DO NOT irrigate crop to the point of run-off, unless it can be retained on farm.

TT canola:
DO NOT use or apply this product post-emergence on raised beds or where furrows have been created in the soil for the purpose or holding or channelling water.
DO NOT use in channels or drains.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS
DO NOT apply or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.
DO NOT apply on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted with susceptible crops or plants.
DO NOT plant crops other than those recommended on this label for at least 6 months following the most recent application of up to 1.2 kg per hectare.

STORAGE AND DISPOSAL
Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake bag contents into spray tank until the bag is empty. Do not dispose of undiluted chemicals on site. Puncture or shred 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 containers or product.

SAFETY DIRECTIONS
May irritate the eyes. Avoid contact with eyes and skin.
When opening the container, mixing, loading and preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and half facepiece respirator with dust cartridge or canister.
When preparing product for use for boomspray equipment wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and half facepiece respirator with dust cartridge or canister.
When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). In addition, when using the prepared spray by lay-by application equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and half facepiece respirator with dust cartridge or canister.
If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 13 11 26; New Zealand 0800 764 766.

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS) which is available from the supplier and accessible from the Albaugh website albaugh.com/au

TERMS AND CONDITIONS OF SUPPLY, SALE AND USE
Many factors can affect or influence the activity of this product, including, but not limited to: weather and soil conditions, crop variety, treatment timing, water volume, application rates, spraying techniques, crop rotation, regional factors, and the occurrence and development of strains resistant to the active ingredient. Under certain circumstances, changes in activity or crop damage can occur. The manufacturer or supplier is unable to accept liability in these circumstances. All goods supplied by us are of a high grade and we believe them to be suitable for the purpose for which we expressly supply them but we cannot exercise any control over their mixing, use or application which may affect the performance of the goods. All conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application, or use. These conditions cannot be varied by our staff, agents, or the re-sellers of the product whether or not they supervise or assist in the use of such goods.
APVMA Approval Number: 96554/149849

Additional statements required by the WHS Regulations
Harmful if swallowed. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.
Wash contacted areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye/face protection. Do not breathe dust. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Dispose of contents/container as per container label, in accordance with local/ state/territory government regulations.

Batch No:

Date of Manufacture:

IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

ALBAUGH ALTHYLAZINE 875 WG HERBICIDE

Face

Live Copy Area

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

ALBAUGH ALTHYLAZINE 875 WG HERBICIDE

ACTIVE CONSTITUENT: 875 g/Kg TERBUTHYLAZINE

GROUP 5 HERBICIDE

For the control of weeds in cereals (barley, oats, wheat), chickpeas, faba beans, fallows, field peas, lentils and vetch, lupins, sorghum and triazine tolerant canola as per the Directions for Use table.
IMPORTANT: READ THE LABEL INSTRUCTIONS AND DIRECTIONS FOR USE BEFORE OPENING AND USING.

Net Contents
15 Kg

SELECTIVE HERBICIDE

ALBAUGH AUSTRALIA PTY LTD
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ALBAUGH® your alternative

ALBAUGH ALTHYLAZINE 875 WG HERBICIDE

PMS 371 PMS 652

ALTHYLAZINE 875 WG_15kg

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