

CAUTION

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

CHEMAG COMMANDER CEREAL HERBICIDE

ACTIVE CONSTITUENTS:
420g/L MCPA present as potassium salt
26g/L PICLORAM present as potassium salt

GROUP I HERBICIDE

For the control of climbing buckwheat, common sowthistle, skeleton weed, capeweed, doublegee and other broadleaf weeds in winter cereals and linseed crops.

**IMPORTANT: READ THE LABEL AND
LEAFLET THOROUGHLY BEFORE USE.**

APVMA Approval No: 59473/0306

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DIRECTIONS FOR USE

RESTRAINTS:

DO NOT apply to crops or weeds which are not actively growing or to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT use in high winds.

DO NOT spray if rain is likely to occur within four hours.

DO NOT apply close to, or on areas, containing roots of desirable vegetation, where treated soil may be washed into areas growing, or to be planted to, desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted to, susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

Table 1: NEW SOUTH WALES and QUEENSLAND only

| CROP | CROP GROWTH STAGE | WEEDS CONTROLLED | WEED GROWTH STAGE | RATE /ha | CRITICAL COMMENTS |
|--|--|---|--|----------|---|
| Barley, Canary grass, Oats, Triticale, Wheat | Apply from early tillering (When the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30)). | Climbing buckwheat (black bindweed) | Up to 6 leaf | 1L | For best control of climbing buckwheat apply at early tillering as this weed becomes increasingly difficult to control as it becomes larger. To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage. |
| | | Common Sowthistle Doublegee (spiny emex) Mustard Saffron thistle Skeleton weed Turnip weed Variegated thistle Wild radish Wild turnip | Young rosette or seedling plants up to 8 true leaves | | |
| | | N.Z spinach ¹ Wireweed ¹ | Up to 4 leaf | | |

continued ... Table 1:

NEW SOUTH WALES and QUEENSLAND only

| CROP | CROP GROWTH STAGE | WEEDS CONTROLLED | WEED GROWTH STAGE | RATE /ha | CRITICAL COMMENTS |
|--------------------------------|--|--|---|------------------------|--|
| Barley, Triticale, Wheat | Apply from early tillering (When the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30)). | Common Sowthistle NZ spinach Wireweed | Apply up to 4 leaf stage | 800 mL + 5g Ally | Add a 100% concentrate non-ionic surfactant at the rate of 100mL/100L water |
| Linseed Linola | Apply when crop is 8-20 cm high. | Climbing buckwheat (black bindweed) Doublegee (spiny emex) Mustard Saffron thistle Skeleton weed Variegated thistle Wild radish Wild turnip | Young rosette or seedling plants up to 4 true leaves. | 670 to 840 mL | Use the higher rate when climbing buckwheat is present or weed growth is advanced. |
| | | NZ spinach ¹ Wireweed ¹ | Up to 2 leaf | | ¹ Suppression only – Spray early |

Table 2: WESTERN AUSTRALIA only

| CROP | CROP GROWTH STAGE | WEEDS CONTROLLED | WEED GROWTH STAGE | RATE /ha | CRITICAL COMMENTS |
|--|--|--|---|----------|--|
| Barley, Canary grass, Oats, Triticale, Wheat | Apply from 3 leaf to early tillering (When the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (First node (Z30)). | Capeweed Doublegee Saffron Thistle Turnip Weed Wild mustard Wild turnip | Young rosette or seedling plants up to 4 true leaves. | 600mL | To avoid possible crop damage DO NOT spray outside the early tillering to early jointing stage. Caution: DO NOT use this product where the land to be treated will be sown to lupins or peas the following year or where a volunteer medic or subclover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated. ¹ Suppression only – Spray early |
| | | Capeweed Doublegee Saffron Thistle Turnip weed Wild mustard Wild turnip | Young rosette or seedling plants up to 6 true leaves. | 750mL | |
| | | Wireweed ¹ | Up to 4 leaf | | |
| | Apply from early to mid- tillering | Docks Sorrel | Active Growth | 1L | |

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

WITHHOLDING PERIOD

- DO NOT GRAZE OR CUT CROPS OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION
- HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

MINIMUM RECROPPING PERIODS

- Picloram, one of the active constituents in this product, remains active in the soil for extended periods depending on rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter.
- **DO NOT** plant susceptible broadleaf crops within 12 months of applying the product. Cereal crops and grasses can be sown safely after using Commander Cereal Herbicide for in crop weed control.

GENERAL INSTRUCTIONS

MIXING

- Commander Cereal can be mixed with water only.
- Mix only sufficient chemical for each days use and avoid storing mix.
- Half fill the spray tank with water and add the required quantity of Commander Cereal and complete filling. Agitate continuously to ensure thorough mixing before and during application.
- **Tank mixtures:** Wettable powder or dry flowable formulations (e.g. water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations (e.g. Rockstar 200). Add spraying oils and surfactants (wettors) last, if required.

COMPATIBILITY

Commander Cereal Herbicide is compatible with the following:

(Read and follow all label directions, restraints, plant-back periods, withholding periods and safety directions on the partner label as well as those on the Commander Cereal Herbicide label.)

Broadleaf Herbicides

| | | |
|-------------------|----------------------------|--------------------|
| Eclipse Herbicide | ChemAg Rally 300 Herbicide | MCPA amine |
| MCPA LVE | Rockstar 200 Herbicide | Metsulfuron Methyl |
| 2,4D Amine | | |

Grass Herbicides

ChemAg Diclofop Methyl 375
Topik 240 EC (Wild oats and phalaris only)

Adjuvants

Wetter 1000 (When mixed with Metsulfuron Methyl)
Uptake Spraying Oil (When mixed with Topik 240 EC)

Insecticides

Omen 290 Dimethoate 300g/l EC

Commander Cereal Herbicide is not compatible with zinc products (such as Zinc dextrase and Zinc heptahydrate), copper salts (such as sulphate) and manganese sulphate. Do not use with hard water or water clarified with alum.

APPLICATION METHODS

A. Ground Application (Boom)

- Apply Commander Cereal Herbicide with an accurately calibrated boom sprayer, in at least 50L/ha water.
- Flat fan nozzles are recommended using pressures in the range 200 to 300 kPa.
- Set the boom at a height to ensure a double overlap of the nozzle pattern.

B. Aerial Application

- Apply in a minimum volume of 35 L/ha water.
- Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter) of 200-250 microns.
- **DO NOT** apply when the temperature is above 30°C, when there is no wind or when the wind is blowing towards susceptible crops.

CLEANING SPRAY EQUIPMENT

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

- Rinsing: After using Commander Cereal Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain, and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the tank as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- **Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):** Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (eg liquid SURF, OMO or DRIVE) at 500mL/100L of water or the powder equivalent at 500g/100L and circulate throughout the system for at least 15 minutes.
- Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

RESISTANT WEEDS WARNING

GROUP I HERBICIDE

Commander Cereal Herbicide contains members of the pyridine and phenoxy groups of herbicides. The product has the disruptors of plant cell growth mode of action. For weed resistance management, the product is a Group I Herbicide.

Some naturally-occurring weed biotypes resistant to the product and other Group I Herbicide 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 this product or other Group I herbicides.

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

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Imtrade Australia Sales Representative.

PROTECTION OF CROPS, NATIVES AND OTHER NON-TARGET PLANTS

- **DO NOT** apply under weather conditions, or from spraying equipment, that may cause spray drift onto nearby susceptible crops and plants, cropping lands or pastures.
- Crops and plants susceptible to Commander Cereal Herbicide include, but are not limited to clovers, medics, lupins, peas and other legumes, cotton, flowers, hops, grape and kiwi fruit vines, ornamentals, potatoes, safflower, shade trees, sugar beet, tobacco, tomatoes, tree fruits and vegetables.
- **DO NOT** use on land to be cultivated for growing susceptible crops within 12 months of applying Commander Cereal Herbicide. Susceptible crops and plants can be damaged by soil residues during both growing and dormant periods. In the season following application of this product the regeneration of establishment of sensitive legumes (clover, medics, peas, lupins) may be adversely affected by soil residues. Cereal crops and grasses can be sown safely after using Commander Cereal Herbicide.
- This product will kill legumes (clovers, medics) present in the crop at the time of spraying.
- **DO NOT** apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, or to be planted to desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing or to be planted to susceptible crops or plants.
- **DO NOT** move soil, which may have been sprayed, to areas where susceptible crops or plants are to be grown.
- Cereal crops may be reduced in height following use of this product. This height reduction is a normal response and does not represent any yield loss.
- **DO NOT** apply Commander Cereal Herbicide to crops or pastures, which are to be used for the production of compost or mulches for use with susceptible crops or plants. The use of straw, hay or other plant material treated with Commander Cereal Herbicide for composting or mulching susceptible crops may damage these 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 cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
- **DO NOT** store near food, feedstuffs, fertilisers or seed.
- Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
- For 110L refillable containers empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SMALL SPILL MANAGEMENT

Wear protective equipment (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary wash the spill area with an alkali detergent and water and absorb as above the wash liquid for disposal as described above.

SAFETY DIRECTIONS

- Harmful if swallowed
- Attacks eyes.
- Will irritate the skin.
- Avoid contact with eyes and skin.
- If product in eyes, wash it out immediately with water.
- DO NOT inhale spray mist.
- When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and goggles.
- 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, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information (Phone Australia 13 11 26)

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet for Commander Cereal Herbicide which is available from Imtrade on request.

Call Customer service on 1800 171 799.

CONDITIONS OF SALE

The use of ChemAg Commander Cereal Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Imtrade Australia Pty Ltd. 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 Imtrade Australia Pty Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.