

orion AGRISCIENCE



ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

Chlor-BackTM

75WG

HERBICIDE

Selective herbicide for the control of annual grasses and many broadleaf weeds in ONIONS, FOREST NURSERIES and ORNAMENTALS.

Active Ingredient:

750 g/kg chlorthal-dimethyl in the form of a Water Dispersible Granule.



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10KG

PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATION: 6.3B, 6.4A, 6.9B, 9.1B

WARNING: ECOTOXIC

Harmful. May cause eye and mild skin irritation. Toxic. May cause organ damage from repeated ingestion at high doses. Toxic to aquatic organisms with long lasting effects.

PRECAUTIONS

STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a secure place. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this. **PERSONAL PROTECTION:** Avoid contact with eyes and skin. Avoid inhalation of dust or spray mist. When mixing or applying, wear overalls, boots, gloves and eye protection. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT: Apply with well maintained and calibrated spray equipment.

DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Dispose of packaging to a suitable landfill. Do not burn. Do not use packaging for any other purpose.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur. Thoroughly wash equipment after use with clean water and detergent.

First Aid

If swallowed, do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. If granules have split, moisten to prevent dusting and sweep up. If liquid, absorb spill with inert material such as soil, sand, etc. Place in waste container. Wash area with water, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz.

MANDATORY DIRECTIONS

As Chlor-Back 75WG contains minute quantities of HCB, a compound that can be taken up by grazing stock to give unacceptable residues in meat and milk, the following restrictions on the use of this product must be observed. Do **NOT** feed any part of a treated crop to stock. Do **NOT** use Chlor-Back 75WG where grass pasture is an essential part of crop rotation. Do **NOT** sow grass pasture until at least one crop has followed the use of Chlor-Back 75WG.

GENERAL INFORMATION

Chlor-Back 75WG is a selective herbicide for use in onions, forest nurseries and ornamentals. Residual control of many weed seedlings is provided for two to three months after treatment.

Weeds Controlled

Annual Grasses: Annual poa, barnyard grass, crowfoot grass, smooth witchgrass, yellow bristlegrass

Annual Broadleaves: Black nightshade, chickweed, fathen, nettle, redroot, wild portulaca, wireweed

Weeds not controlled include: Clover, fumitory, mustards, prairie grass, shepherds purse, twinseed, wild turnip.

DIRECTIONS FOR USE

Apply to a moist, finely prepared seedbed, free from trash and clods, either immediately after sowing or just before crop emergence. If weed seedlings have germinated at the time of treatment, apply Chlor-Back 75WG in combination with a suitable non-residual knockdown herbicide as a tank mix. Chlor-Back 75WG is activated by soil moisture.

15 to 20 mm of rainfall or overhead irrigation should follow 2 to 3 days after application.

Under extremely dry conditions, shallow incorporation, to a depth of not more than 15mm, may improve results. Follow up treatments of Chlor-Back 75WG at reduced rates, 8 to 10 weeks after the first application has been made, are recommended to extend control of later germinating weed seedlings.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Batch No:

Date of manufacture:

CHLOR BACK 75WG

RATES OF APPLICATION

Use 10 – 14 Kg/ha of Chlor-Back 75WG in 250 – 400 litres of water.

Use the higher rate on heavy loam or clay soils, and those high in organic matter. Use the lower rate on lighter soils. For small applications, mix 100 – 140 g in sufficient water to cover an area of 100 square metres.

APPLICATION TIMING

CROP	TIMING	Critical Comments
Onions	Pre-Emergence – Apply soon after sowing to freshly cultivated soil.	Use in a programme with suitable onion herbicides for weeds not controlled by Chlor-Back 75WG.
	Advance Emergence	Apply a repeat application using 6 – 10 Kg/ha 8 to 10 weeks after sowing to extend residual weed control.
Forest Nurseries Pinus species Cupressus Macrocarpa Cryptomeria Japonica Eucalyptus Botryoides	Apply to the nominated species at the time of sowing.	To provide extended summer weed control, apply again 3 weeks after crop emergence and repeat at 6 to 8 week intervals.
Ornamentals* and container grown plants*	Apply to freshly cultivated soil following re-potting or lining out.	Repeat application at 8 to 10 week intervals for extended weed control.

*See Notes below

APPLICATION METHODS

Chlor-Back 75WG is non-corrosive and can be applied through all standard ground spraying equipment. Do not use strainers finer than 380 microns as blockages may occur.

MIXING

Add the required quantity of Chlor-Back 75WG to spray tank partly filled with water, and maintain agitation through filling and spraying. Keep mechanical agitator or bypass running while filling, during spraying and before recommencing spraying after a stoppage. Unused spray mixture will settle out.

NOTES - ORNAMENTALS

Tolerant Species include: Ageratum, alyssum, ash, aster, azalea, barberry, birch, camellia, candytuft, chrysanthemum, coleus, cotoneaster, crab-apple, cypress, dahlia, delphinium, eleagus, elm, forget-me-knot, forsythia, geranium, gladiolus, holly, honeysuckle, hydrangea, iris, ivy, lantana, lavender, lilac, lily, magnolia, marigold, peony, petunia, pittosporum, podocarpus, poplar, privet, rhododendron, rose, salvia, snapdragon, sunflower, sweet pea, sycamore, verbena, violet, willow, yarrow, zinnia.

Intolerant Species. Do NOT apply to: Carnation, gypsophila, mesembryanthemum, pansy, phlox, sweet William, telanthera.

RESISTANCE MANAGEMENT

GROUP	K1	HERBICIDE
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Chlor-Back 75WG contains chlorthal-dimethyl, a member of the benzenedicarboxylic acids chemical family with the microtubule assembly inhibition mode of action. Some naturally occurring weeds may become resistant when excessive use of the same herbicide group occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P8676

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, No. HSR000646

See www.epa.govt.nz for approval conditions.

™ Chlor-Back is a Trade Mark of Orion Agriscience Ltd.

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