

orion AGRISCIENCE

HARMFUL | ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



QuasarTM

HERBICIDE

A selective post-emergence herbicide for use in CEREALS, CLOVER, NEW and ESTABLISHED PASTURE and PEAS.

Active Ingredient:

200 g/L bentazone and 200 g/L MCPB as the sodium salts in the form of a soluble concentrate.



9 421004 533515

20 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATION: 6.1E, 6.3B, 6.4A, 6.5B, 6.8B, 6.9B, 9.1B, 9.2B

WARNING: TOXIC, ECOTOXIC

May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. May cause sensitisation from prolonged skin contact. May cause reproductive/development damage from repeated ingestion. May cause organ damage from repeated ingestion at high doses. Toxic to aquatic organisms and to some plant species (selective herbicide).

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 spray mist. When mixing or applying, wear overalls, boots, gloves and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

USE: 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. 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.

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 CHEMICAL (0800 243 6225)** (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a 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.

GENERAL INFORMATION

Quasar is a selective herbicide that will control a range of emerged broadleaf weeds in new pasture and other crops.

Weeds controlled as seedlings:

Black nightshade, buttercups (annual), chamomiles, charlock, chickweed, cleavers, cornbind, cut-leaved geranium, fathen, field madder, galinsoga, hedge mustard, mayweeds, nettle, nodding thistle, penny cress, redroot, scarlet pimpernel, scotch thistle, shepherds purse, sow thistle, spurrey, stinking mayweed, storksbill, thorn apple, twin cress, variegated thistle, wetted thistle, wild radish, wild turnip, willow weed, winged thistle

Moderately susceptible weeds:

Docks (seedling only), fumitory, wireweed

Resistant weeds:

Clovers, dandelion, dead nettle, field pansy, grasses (all), hawkbit, hawksbeard, henbit, sorrel, speedwells, yarrow. All deep rooted perennial weeds

DIRECTIONS FOR USE

Quasar is best applied after a period of warm, humid weather (more than 3 days), and when weeds are actively growing and still in the seedling stage (2 – 4 leaf). Do NOT apply onto foliage which is already wet, or apply if frost is expected. High water rates (as specified) must be used to ensure full coverage of the weeds.

APPLICATION METHODS

Boom spraying: In 300 – 500 litres water/ha. Low volume CDA application techniques are not recommended.

MIXING

Add the required quantity of Quasar to the spray tank partly filled with water, and maintain agitation through filling and spraying. Where a surfactant is added, add this last to minimise foaming.

Batch No:

Date of manufacture:

QUASAR

Application Rate

Crop	Rate	Timing	Critical Comments
Cereals	5 L/ha in 170 – 500 L of water	After crop have 4 true leaves and when weeds are small. If undersown with clover, apply after the clover has 2 true trifoliolate leaves.	Do NOT apply to crops undersown with lucerne. To reduce chances of root absorption, more than 50% of the ground must have complete vegetation cover. Use with a surfactant such as Synergy™ Wetter Sticker at label rates.
White Clover Seed Crops	5 – 6 L/ha in 500 L (min) of water	In spring or autumn after 2 trifoliolate leaves have formed and before flowering, and when weeds are small.	Use with a surfactant such as Synergy™ Wetter Sticker at label rates. Use the high water rate and large droplets to ensure penetration into the weed crown. For best results, spray during periods of warm humid weather. PQ200, applied at least 2 weeks prior to Quasar, will improve results provided that weeds are actively growing at the time of the Quasar treatment.
Pasture – New and Established	5 – 7.5 L/ha in 300 – 500 L of water	When clover has 1 – 2 trifoliolate leaves and weeds are at the 4 – 6 leaf stage.	Use with a surfactant such as Synergy™ Wetter Sticker at label rates.
Peas	5 L/ha in 300 – 500 L of water	When crop is at 5 – 7 node stage (8 – 18 cm high) and when weeds are at the 4 leaf stage.	Do NOT use a surfactant. Some twisting of the peas may occur, but the crop will grow out of this.

COMPATIBILITY

Do NOT mix Quasar with any other crop protection product or fertiliser. Do NOT add a surfactant unless specified.

RAINFALL

Do not spray if rainfall is expected within 8 hours of spraying.

WITHHOLDING PERIOD

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.

Poisonous plants can become more palatable after spraying. For animal safety reasons, stock should be kept away from treated areas for 2 weeks or until any poisonous plants have died down.

RESISTANCE MANAGEMENT

GROUP 01 HERBICIDE

GROUP C3 HERBICIDE

Quasar contains MCPB, a group O1 herbicide belonging to the phenoxy chemical family, and bentazone, a group C3 herbicide belonging to the benzothiadiazione chemical family. Some naturally occurring weeds may become resistant when excessive use of the same herbicide 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. P8615

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

Approved pursuant to the HSN0 Act 1996, No. HR0003374

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

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