

TOXIC ECOTOXIC
KEEP OUT OF REACH
OF CHILDREN

zelam

TWISTER™

**Selective post-emergence herbicide for
grass and broadleaf weed control in
wheat and winter sown barley**

H E R B I C I D E

NET CONTENTS: 5 LITRES

™ Trademark of Tapuae Partnership, NZ.

Registered Pursuant to the ACVM Act 1997, No. P6095. See www.nzfsa.govt.nz/acvm/ for registration conditions

ACTIVE INGREDIENT: Contains 500 g/litre isotopron in the form of a suspension concentrate.

APPROVED HANDLER: This product must be under the control of an approved handler during use.

RECORD KEEPING: Records of use must be kept under certain circumstances. See MSDS for details.

WARNING: May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation and skin sensitisation from prolonged skin contact. Avoid contact with eyes and skin and inhalation of spray mist. May cause organ damage from repeated oral exposure at high doses.

FIRST AID: If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin. If splashed in eyes, wash out immediately with water for at least 15 minutes. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

PERSONAL PROTECTION: Avoid contact with skin or inhalation of spray mist. Gloves should be worn at all times. Wear eye protection when handling the concentrate. Ensure adequate ventilation when handling the concentrate. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Do not eat, drink or smoke while using this product.

STORAGE: Do not store this product for long periods. Use in the season purchased. Store in a cool, dry place.

DISPOSAL: For containers of 20 litres or less, triple rinse container and add residue to working tank. Dispose of container at an approved landfill or other approved facility.

SHELF LIFE: When stored appropriately, this product should show no significant degradation for 1 year from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

ECOTOXIC: Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Not toxic to earthworms.

MATERIAL SAFETY DATA SHEET: Additional information is listed on the MSDS available from Zelam Ltd or www.zelam.com

ERMA NEW ZEALAND: Additional information is available from the ERMA NZ website: www.ermanz.govt.nz Approval Code: HSR000246

PLEASE READ ALL LABEL INSTRUCTIONS BEFORE USE

WEEDS CONTROLLED:

SUSCEPTIBLE: Annual poa, chamomiles, charlock, chickweed, fathen, groundsel, lesser canary grass, nettle, penny cress, shepherd's purse, spurrey.

MODERATELY SUSCEPTIBLE: Ryegrasses, wild oats.

TOLERANT: Cleavers, black nightshade, fumitory, henbit, sow thistles, speedwells.

CROP	USE RATES	DIRECTIONS
WHEAT - winter and spring sown	2 - 3 litres/ha	Apply between early post-emergence and first node. Best control will be achieved with application to weeds at the 1-2 leaf stage.
WINTER SOWN BARLEY Do not apply to oats or durum wheat		May be tank mixed with chlorsulfuron to give improved control of certain weeds. Use the higher rate on heavy soils or soils which are high in organic matter.

Twister should be applied to actively growing weeds at the 1-2 true leaf stage. Susceptible weeds germinating after application will be controlled by residual activity. If prolonged dry weather follows application made onto dry soil, the speed of action will be slow and the overall level of weed control reduces, especially in the spring. Overall weed control may be reduced if the seedbed is coarse or if there is excess organic matter. Do not use on soils with an organic matter content over 10%. Do not apply to waterlogged soils, or those prone to waterlogging after heavy rain, as weed control may be reduced.

To avoid run-off, DO NOT use **Twister** where soils are cracked or excessively dry. **Twister** may be used on all varieties of wheat at any growth stage up to jointing although it may cause slight crop yellowing under cool wet conditions or on light soils. This is temporary and will not affect subsequent crop growth or yield.

Twister should not be applied to cereals undersown with grass or clover; to oats, triticale, or durum wheat, rye or other cereals not listed; under drought conditions; or if severe frosts are expected.

SOIL RESIDUES: After harvest thoroughly cultivate soil before sowing subsequent crops. In the event of a winter crop failure through drought or disease, replant in the spring only with wheat after thorough cultivation.

RAINFALL: Rainfall within 6 hours following treatment may reduce effectiveness.

COMPATIBILITY: Compatible in tank mixtures with bromoxynil, chlorsulfuron and mecoprop.

CAUTION: Tank mixtures with other herbicides may result in crop damage.

APPLICATION: Half fill the spray tank with clean water and begin agitating. Add the required quantity of **Twister** to the spray tank and add the remaining water. Continue agitation until spraying is complete. Ensure the sprayer and all measuring equipment is thoroughly cleaned after use with water and a wetting agent. Do not leave the sprayer standing with mixture in it. Apply in a water volume of 150-300 litres of water/ha. Avoid overlapping as this can cause crop injury.

NOTICE TO BUYER: The manufacturers and vendors of **Twister** warrant the formulation to contain the specified ingredients within accepted tolerance when packed but make no warranty of any kind on the use of this material and accept no responsibility for results, whether the material is used in accordance with the directions or not.

REGISTERED TO: Tapuae Partnership,
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Tel: 06 755 9234, Fax: 06 755 1174

EMERGENCY PHONE NUMBER:

0800 CHEMCALL - 0800 243 6225

BATCH NO:
Twister

D.O.M:

