

# WARNING

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# *TWISTER*®

220307

## HERBICIDE

**Contains:** 500 g/litre isoproturon in the form of a suspension concentrate

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

	<b>GHS CLASSIFICATION</b> Skin sensitisation Cat. 1 Specific target organ toxicity (repeated exposure) Cat. 2  Hazardous to soil organisms Hazardous to the aquatic environment acute & chronic Cat. 1	<b>HAZARD STATEMENT</b> May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.  Toxic to the soil environment. Very toxic to aquatic life, with long lasting effects.
	<b>FIRST AID:</b> IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF exposed or if you feel unwell: Call the National Poisons Centre 0800 POISON (0800 764 766) or doctor/physician. <b>PERSONAL PROTECTION:</b> Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke while using this product. Contaminated work clothing should not be allowed out of the workplace. <b>STORAGE:</b> Store locked up. Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. <b>DISPOSAL:</b> Avoid contamination of any water supply with product or empty container. Triple rinse empty container placing rinse water in the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved landfill or disposal facility. <b>SPILLAGE:</b> Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill. <b>SAFETY DATA SHEET:</b> Additional information is listed in the Safety Data Sheet available from Arxada NZ Limited or www.arxada.co.nz <b>QUALIFICATION REQUIREMENTS:</b> Persons mixing, loading, applying, or otherwise handling Twister must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.	

**PLEASE READ THE ENTIRE LABEL BEFORE USE. SHAKE OR STIR WELL BEFORE USE.**

**GENERAL INFORMATION:** Twister is a herbicide with residual activity, that is absorbed into susceptible plants via the leaves and roots where it interferes with photosynthetic electron transport.

**SUSCEPTIBLE WEEDS:** Chamomiles, charlock, chickweed, fathen, groundsel, nettle, annual poa, shepherds purse, and spurrey (yarr). Wild oats (suppression only) and ryegrass seedlings (post emergence only).  
 Weeds not controlled: Black nightshade, cleavers, fumitory, henbit, sow thistles, and speedwells.

**DIRECTIONS FOR USE:**  
 For weed control in winter and spring sown wheat and winter sown barley. Do not apply to oats or durum wheat.

RATE /HA	CRITICAL COMMENTS
2 to 3 litres	Apply between early post-emergence and first node. Best control will be achieved with application to actively growing weeds at the 1-2 leaf stage. Use the higher rate on heavy soils or soils high in organic matter. May be tank mixed with Quantum (diflufenican), bromoxynil, mecoprop or chlorsulfuron to give improved control of certain weeds.

**MIXING:** Pour the correct amount of Twister into the partly filled tank, and while agitating add the remainder of the water. Maintain agitation during spraying and any stoppages. Only mix sufficient spray for immediate use and avoid storing.

**ADJUVANTS:** Wetting agents are not normally required and should be avoided when tank mixing with other herbicides especially emulsifiable concentrates.

**COMPATIBILITY:** Twister is compatible with Quantum (diflufenican), chlorsulfuron, bromoxynil and mecoprop. Tank mixtures with other herbicides may result in crop damage. May be used in mixtures with commonly used insecticides and fungicides.

**APPLICATION:** Apply Twister via conventional boom spraying equipment that is well maintained and calibrated and set up to achieve complete coverage of all weeds. Use an appropriate water rate for the weeds present but use a minimum of 150 litres/ha. Avoid overlapping as this can cause crop injury. 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 reduced, 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 water-logging 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 particularly in barley. This is temporary and will not affect subsequent crop growth or yield.

Twister should not be applied; to cereals under sown 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, especially of leaf activity.

**SPRAYER CLEAN-UP:** Always completely wash all traces of Twister from spray equipment before spraying any other crop type.

**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.**

**WITHOLDING PERIOD:** Do not apply after jointing of the crop.

**RESISTANCE MANAGEMENT:** **GROUP 5 HERBICIDE** Twister contains a herbicide from the urea chemical group with the inhibition of photosynthesis at photosystem II mode of action. Certain individual biotypes may become resistant to this and other group 5 herbicides. To minimise the risk of these weeds dominating the population use strictly in accordance with the label directions and use herbicides from alternative mode of action groups at other times.

**NOTICE TO BUYER:** The manufacturer and vendors of Twister warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

**REGISTERED TO:** Arxada NZ Limited, Hudson Rd,  
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BATCH NO:  
  
D.O.M:



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