



GROWTH REGULATOR

# MepiPal

**A growth regulator to improve the resistance  
of Barley, Ryecorn and Triticale to lodging**

Contains 305 g/litre mepiquat chloride plus  
155 g/litre chlorethephon in the form of a soluble concentrate

**DANGER // ECOTOXIC**  
Keep out of the reach of children

Net Contents **10 LITRES**



[agrisource.co.nz](http://agrisource.co.nz)



## GENERAL INFORMATION

**MepiPal** is a plant growth regulator, which shortens and stiffens straw of barley, ryecorn and triticale. **MepiPal** is mainly taken up through the green parts of plants. **MepiPal** should only be applied to vigorously growing crops, which have an adequate supply of nutrient and moisture, and which are free from any stress prior to and following treatment. Optimum results are obtained when **MepiPal** is applied during the recommended stages of crop development. The main effect is to shorten and thicken the stem between the internodes, on those parts that are undergoing stem elongation at, or following, treatment. Early treatment therefore provides the greatest protection against basal lodging, and later treatments are more effective at reducing straw and neck break.

Advantages of treatment:

- 1) **MepiPal** improves the resistance of vigorous crops to lodging.
- 2) Yield losses associated with lodging, straw and neck break are reduced.
- 3) Harvest is made easier.
- 4) Fertiliser inputs can be aimed at optimum yields, rather than be limited, to avoid lodging.
- 5) Tall growing, high yielding cultivars may be grown in high fertility areas, where lodging would normally preclude their use.

## APPLICATION

Remove livestock from target area and observe withholding periods. Only use ground-based application methods. Apply with well-maintained and calibrated equipment.

DO NOT store or use in equipment with aluminium fittings.

DO NOT spray over, or allow drift over, surface water such as ponds, waterways or drains.

DO NOT allow spray drift to occur outside the target area. Clean out application equipment thoroughly after use.

DO NOT contaminate water when disposing of equipment wash waters.

DO NOT apply directly into or onto water.

**Note 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.**

Registered pursuant to the ACVM Act 1997 No. P9812  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSN0 Act 1996 No. HSR101134  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

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## REGISTRANT

Agri Solutions Ltd  
45 Kitchener Road  
Pukekohe 2120

## DISTRIBUTOR

Agrisource (2000) Ltd  
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09 237 0442 · [www.agrisource.co.nz](http://www.agrisource.co.nz)

BATCH NO:

DATE OF  
MANUFACTURE:

## DIRECTIONS FOR USE

### CAUTIONS

DO NOT apply **MepiPal** if rain or frost is expected, nor if the crop is wet.

Avoid spray drift on to neighbouring crops.

DO NOT apply **MepiPal** to crops on soils of low fertility, unless fertilizer and moisture are made available to the crop.

DO NOT use on crops on light soils that are likely to suffer from moisture stress.

DO NOT apply **MepiPal** at temperatures above 21°C.

DO NOT apply to crops suffering damage or physical stress, e.g. frost, hail or herbicide damage, water logging, drought or nutrient stress.

CROP	RATE	GROWTH STAGE	REMARKS
Autumn Barley Ryecorn Triticale	1.0 - 1.5 litres per hectare in approx. 200 litres of water.	Zadoks GS 37-49 Flag leaf just visible on the majority of tillers.	Use the higher rate where lodging/straw and neck-break pressure is high. Early application will give greater lodging control. Later sprays give better straw and neck break control.
Spring Barley	1.0 - 1.5 litres per hectare in approx. 200 litres of water.	Zadoks GS 39-49 Flag leaf ligule just visible to first awns visible on the majority of tillers.	Use the higher rate on stress free crops, where lodging/straw and neck-break pressure is high.
Triumph Barley	1.0 litre per hectare in approx. 200 litres of water.	Zadoks GS 49 first awns visible on the majority of tillers	To prevent neck break. Use only on healthy crops. Avoid use on crops with uneven tiller
<b>The addition of a suitable non-ionic surfactant is recommended</b>			

## NOTES

- 1) Secondary tillering may be pronounced in the wheel tracks where ground spraying equipment is used in the absence of tramlines.
- 2) Secondary tillering may be induced by early treatment and this effect will be more noticeable on crops that come under stress following treatment, or in crops growing on light soils.
- 3) **MepiPal** may be applied to crops under sown with clovers

## MIXING

Add the required amount of **MepiPal** to the partly filled spray tank with agitation running. Complete filling the spray tank. Maintain agitation during application.

## COMPATIBILITY

**MepiPal** is compatible with commonly used fungicides and insecticides. When used in mixture, add **MepiPal** last to the spray tank and use immediately. DO NOT mix with herbicides.

## CONDITIONS OF SUPPLY

All goods supplied by us are produced under rigid quality control procedures which assure the purchaser that at the time of sale they are physically suitable for use in the manner stated. However, to the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Agri Solutions Ltd as registrant, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

# READ LABEL COMPLETELY BEFORE USE

**HSNO CLASSIFICATIONS: 6.1D (Oral), 6.9B, 8.2C, 8.3A, 9.1C, 9.2B, 9.3B**

## PCBU RESPONSIBILITIES

A PCBU with management and control of the place to where this product is being used, handled, manufactured, stored or applied must ensure that every worker who handles it, is provided with adequate information, training and instruction. This includes provision and training in the use of any personal protective equipment to be used.

## QUALIFICATIONS REQUIRED FOR USE OF THIS CLASS 9 PRODUCT

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.



### DANGER

Corrosive to skin. Causes severe skin burns and eye damage. Causes serious eye damage.

### WARNING

This substance is harmful if swallowed or inhaled. May cause damage to kidneys or nervous system through single or repeated exposure at high doses.

### ECOTOXIC

Harmful to aquatic life. May cause long lasting harmful effects to aquatic life. Toxic to the soil environment. Certain plants may be damaged through uptake of this product. Toxic to terrestrial vertebrates.

## HANDLING PRECAUTIONS

**Personal Protection:** When mixing or applying, avoid contact with skin and eyes. Wear full protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

**Equipment:** Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Flush spray equipment thoroughly with water after use.

**Storage:** Store in original container tightly closed and in a locked, dry, cool, well ventilated area away from fertilisers, feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with NZ 8409 Management of Agrichemicals.

**Shelf Life:** When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**Spillage:** Move non-essential people from the area. Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Sweep up solids without creating dust. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

**Product Disposal:** Dispose of unwanted product by use by another operator strictly in accordance with label directions.

**Container Disposal:** Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.

**Transport:** DO NOT carry this product on a passenger service vehicle.

**Safety Data Sheet:** Additional information is provided in the SDS available from your supplier or [www.agrisource.co.nz](http://www.agrisource.co.nz)

## FIRST AID

If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 Poison (0800764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If concentrate is splashed in the eyes, flush with running water immediately. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

## EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade

**24 HOUR EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)**