



**AGRISOURCE**

PRODUCTS FOR AGRICULTURE

**TOXIC**  
**KEEP OUT OF THE**  
**REACH OF CHILDREN**  
**CORROSIVE**  
**ECOTOXIC**

# REGULATE

**Plant growth regulator for application to oats, wheat and perennial  
ryegrass seed crops**

*Contains 720g/litre chlormequat – chloride\* in the form of a soluble concentrate*

**FREE RECYCLING**



**AGRECOVERY**

[www.agrecovery.co.nz](http://www.agrecovery.co.nz)

\* CAS No. 999-81-5

**NET CONTENTS**  
**20 Litres**

# READ LABEL COMPLETELY BEFORE USE

**HSNO CLASSIFICATIONS: 6.1C, 6.9B, 8.1A, 9.1D, 9.3B**

## APPROVED HANDLER

This product must be under the personal control of an approved handler or during use.

## TRACKING

Location and movement of this product must be recorded at each stage of its lifecycle.

## TOXIC

This substance may be fatal if swallowed, inhaled or absorbed through the skin. May cause organ damage from repeated oral exposure at high doses.

## ECOTOXIC

Harmful to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Harmful to terrestrial vertebrates.

## CORROSIVE

This product may be corrosive to metal.

## HANDLING PRECAUTIONS

**Personal Protection:** When mixing, loading or applying this product, wear Full Personal Protective Equipment (PPE). Chemical resistant coveralls, chemical resistant gloves, chemical resistant footwear plus socks, chemical resistant headgear and chemical resistant eyewear. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly 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.

**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:** Ensure unwanted product is by used 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.

**Safety Data Sheet:** Additional information is provided in the SDS available from your supplier.

## 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. If concentrate is splashed in the eyes, flush with running water immediately.

## EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade

## GENERAL INFORMATION

**Regulate** is a plant growth regulator absorbed mainly through the green parts of the plant, resulting in inhibiting cell elongation at the growing points of the treated plants. Energy normally directed to the growing point is redirected, resulting in modification of the growth habit.

In cereals **Regulate** stimulates root and secondary development, stem length is reduced, and stem walls thicken. Responses vary according to rate of use, species and timing.

For optimum results **Regulate** must be applied at the correct growth stage of the crop and not compromised when applying in mixtures. **Regulate** can be used on crops undersown with grasses and clovers.

## MIXING

Half fill spray tank with water, with agitation running, add the required amount of **Regulate**, top up with water and agitate thoroughly before use. When mixing with foliar fertilisers, add **Regulate** to the tank first and well agitate.

## DIRECTIONS FOR USE

The addition of **Arma** at label rates is recommended to improve uptake of **Regulate**. For aerial application, water rates can be reduced to 25 - 60L/ha. Don't apply with cyanazine.

CROP	TIMING	RATE	REMARKS
Oats	Kadok's G.S. 32 Feekes G.S. 7 (second node just visible)	1.040 - 2.080L/ha in 200 - 350L of water	Use higher rate on crops growing on heavy soils and on varieties susceptible to lodging.
Perennial Ryegrass Seed Crops	Immediately when first swelling at the base stem is detectable. (Double Ridge stage)	4.160 L/ha in a 200 - 350L of water	To promote seed yield increases as a result of improved tiller growth, development and tiller survival. This treatment will not prevent lodging of the crop.
Wheat - both Spring & Autumn sown	Zadock's G.S. 30 -32 Feekes G.S. 5-7 (Prior to first node and before second node visible)	1.040 - 2.080L/ha in a 200 - 350 L of water	Use higher rate on crops growing on heavy soils, and on crops where protection against eyespot and lodging are required. Lower rate may be used as a management tool where higher nitrogen rates or higher seeding rates are used and to assist with drought resistance. Don't exceed 1.040L/ha on Domino wheat.

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.

## WITHHOLDING PERIODS

For ryegrass seed crops remove stock before treatment. Do not graze for 42 days after application.

## 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.

Registered pursuant to the ACVM Act 1997, No. P9464  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to HSNO Act 1996, No. HSR000758  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

## REGISTRANT

Agri Solutions Ltd  
Level 1, 26 Crummer Road,  
Grey Lynn, Auckland 1021

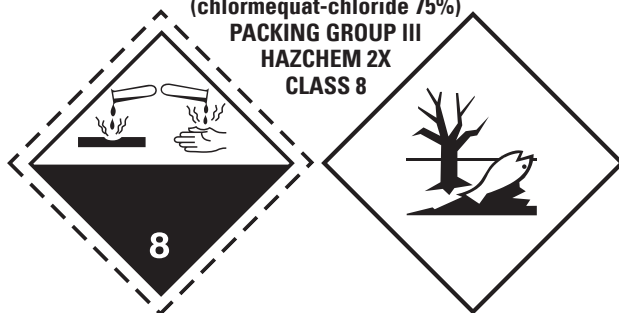
## DISTRIBUTOR

Agrisource (2000) Ltd  
45 Kitchener Road, Pukekohe 2120  
09 237 0422 - [www.agrisource.co.nz](http://www.agrisource.co.nz)

DATE OF  
MANUFACTURE:

BATCH NO:

UN1760  
CORROSIVE LIQUID, N.O.S.  
(chlormequat-chloride 75%)  
PACKING GROUP III  
HAZCHEM 2X  
CLASS 8



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