

# WARNING



## **OPTIMUS<sup>®</sup> 175 EC** **PLANT GROWTH REGULATOR**

**A plant growth regulator to reduce the risk of lodging in wheat, barley and oats and promote seed yield increases in ryegrass seed crops**

***READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING***

### **Active Ingredient:**

Contains 175 g/L TRINEXAPAC-ETHYL in the form of an emulsifiable concentrate

ADAMA New Zealand Limited  
Level 1, 93 Bolt Road  
Tahunanui, Nelson 7011  
PO Box 1799, Nelson 7040  
New Zealand  
Telephone 03 543 8275  
[www.adama.com](http://www.adama.com)

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1 L, 5 L,  
10 L, 20 L

# ADAMA

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****HAZARD CLASSIFICATIONS: 6.3A, 6.4A, 6.5B, 9.1D, 9.2A****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES**

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

**RECORD KEEPING**

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.*

**WARNING**

**Causes skin irritation.**

**Causes serious eye irritation.**

**May cause an allergic skin reaction.**

**ECOTOXICITY**

**Toxic to aquatic life. Do not apply onto or into water.** Avoid contamination of any water supply with product or empty container.

**Very toxic to the soil environment.**

**HANDLING PRECAUTIONS**

Do not eat, drink or smoke while using.

Avoid breathing spray mist or vapours.

Wash exposed skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective clothing as described in the personal protection section.

**EQUIPMENT**

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

**STORAGE**

Store in the original, tightly-closed container in a cool, dry place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

**SHELF LIFE**

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 any product that is older than this.

**PERSONAL PROTECTION**

When mixing or applying wear protective clothing, including overalls, gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear

appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

**DISPOSAL**

**Container Disposal** - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

**Product Disposal** - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

**FIRST AID**

**If medical advice is needed, have product container or label at hand.**

**For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.**

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**CONDITIONS OF SALE**

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



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Approved pursuant to the HSNO Act 1996, Approval No. HSR100710  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Optimus is a registered trademark of an ADAMA Group Company.



**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New  
Zealand

**0800 734 607**

In a Transport Emergency

Phone 111

Police or Fire

Date of Manufacture:

*Bar code:*

Batch Number

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**PRODUCT INFORMATION**

OPTIMUS 175 EC is absorbed by the leaves and stems of cereals and ryegrass. OPTIMUS 175 EC has no root or soil activity. OPTIMUS 175 EC is absorbed quickly into the plant tissue and rapidly translocated to the growing parts where the elongation of the stem internodes is inhibited, thereby reducing the straw height. This reduction in straw height reduces the risk of lodging in cereals and ryegrass. In ryegrass OPTIMUS 175 EC shortens the straw height, increases seed set and the time of lodging of the crop is delayed. OPTIMUS 175 EC is rainfast within 2 hours of application.

**DIRECTIONS FOR USE**

**It is an offence to use this product on animals.**

**TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.**

CROP	SITUATION	RATE	CRITICAL COMMENTS
Ryegrass seed crops (annual and perennial)	To promote seed yield by increasing seed set	575 mL to 2.3 L in 200-400 L of water/ha	GS31-32 growth stage, i.e. when the 2 <sup>nd</sup> node is visible on the main tiller and the majority of the other tillers have the 1 <sup>st</sup> node detectable above ground level. The higher rate is recommended on high fertility paddocks where there is no moisture stress e.g. under irrigation. OPTIMUS 175 EC should be applied to actively growing ryegrass NOT suffering from disease, drought stress or insect damage.
Barley Oats Wheat	To reduce the risk of lodging	575 mL in 200 L of water/ha	The addition of a surfactant is NOT necessary. Apply at the beginning of stem elongation, as the 1 <sup>st</sup> node becomes visible (GS31). OPTIMUS 175 EC should be applied to actively growing cereals NOT suffering from disease, insect damage, drought stress or nutrient deficiency.

			<b>Note:</b> The recommended rate of OPTIMUS 175 EC may cause severe stunting in oats, however final yield should be unaffected.
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**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 PERIOD

**Wheat, barley, oats, ryegrass: Do not graze or cut for stock food for 42 days after application.**

## EQUIPMENT

OPTIMUS 175 EC can be applied with conventional aerial and ground spraying equipment.

## COMPATIBILITY

OPTIMUS 175 EC is compatible with commonly used fungicides and herbicides in cereals.

**Note:** An increase in effect may occur if applied in mixture with triazole fungicides under conditions of rapid vegetative growth. The application timing of herbicides mixed with OPTIMUS 175EC may not be optimal for weed control. As formulations of other manufacturer's products are beyond the control of ADAMA New Zealand Limited, all mixtures should be tested prior to use.

## CONDITIONS OF SALE

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