

# Operandi®



*[Signature]*  
13/05/2021

**A plant growth regulator to reduce the risk of lodging in Wheat, Barley and Oats and to promote seed yield increases in Ryegrass seed crops**

*Contains 250g/litre trinexapac-ethyl in the form of an emulsifiable concentrate*

## **WARNING**

Keep out of the reach of children

Net Contents

**10 Litres**



**AGRISOURCE**  
PRODUCTS FOR AGRICULTURE



# READ LABEL COMPLETELY BEFORE USE

HSNO CLASSIFICATIONS: 3.1D, 6.1E, 6.3B, 6.4A, 9.1B, 9.2D



## WARNING

### TOXIC

May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.

### ECOTOXIC

Toxic to aquatic life with long lasting effects. Harmful to the soil environment

### FLAMMABLE

Combustible liquid

## HANDLING PRECAUTIONS

**Personal Protection:** Avoid contact with eyes and skin. Avoid inhalation of spray mist. Wear protective gloves, protective clothing and face and eye protection. Wash hands and face thoroughly after handling. Do not eat drink or smoke when using this product. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**Use Precautions:** Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Keep away from open flames and hot surfaces. In case of fire use mist, foam or CO2.

**Equipment:** Apply with well-maintained and calibrated spray equipment. **Operandi** can be applied with conventional ground or aerial spraying equipment.

**Equipment Cleaning:** Flush spray equipment thoroughly with clean water after use.

**Storage:** Store in the original, tightly-closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. Store in accordance with NZS 8409 Management of Agrochemicals. Secondary containment and emergency response plans are required where 100 L or more of this product are stored.

**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.

**Spillage:** Prevent material from entering waterways. Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely, according to local Council regulations.

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

**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.

**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, rinse mouth. DO NOT induce vomiting. Get medical advice/attention if you feel unwell. 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 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 DIRECTIONS

**Operandi** is absorbed by the stems and leaves of ryegrass and cereals. **Operandi** does not have root or soil activity.

**Operandi** is absorbed quickly into the plant tissue and rapidly translocated to the growing parts where the elongation of stem internodes is inhibited thereby reducing the stem height. This reduction in stem height reduces the risk of lodging in ryegrass and cereals. In ryegrass **Operandi** shortens the stem height, increases seed set and the time of lodging of crops is delayed.

**Operandi** is rainfast within 2 hours of application. The addition of a surfactant is NOT necessary.

Do not apply to amenity grass or turf.

## MIXING

Add the required amount directly into partly filled spray tank with agitation operating. Complete filling and maintain agitation until spraying is complete.

## COMPATIBILITY

**Operandi** 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 **Operandi** may not be optimal for weed control. As formulations of other manufacturer's products are beyond.

CROP	SITUATION	RATE	CRITICAL COMMENTS
Ryegrass seed crops (annual and perennial).	To promote seed yield by increasing s seed set.	400 – 800 ml in 200 – 400 litres of water/ha.	Apply at the GS31-32 growth stage; i.e. when the 2 <sup>nd</sup> node is visible on the main tillers and the majority of the other tillers have the 1 <sup>st</sup> node detectable above ground level. The higher rate of 800 ml is recommended on high fertility paddocks where there is no moisture stress e.g. under irrigation. <b>Operandi</b> should be applied to actively growing ryegrass NOT suffering from disease, drought stress or insect damage.
Wheat, Barley, Oats.	To reduce the risk of lodging.	400 ml in 200 litres of water/ha.	Apply at the beginning of stem elongation, as the 1 <sup>st</sup> node becomes visible – (GS31). <b>Operandi</b> should be applied to actively growing cereal crops NOT suffering from disease, drought stress, insect damage or nutrient deficiency. NOTE: The recommended dose of <b>Operandi</b> may cause severe stunting in oats, however final yield should be unaffected.

**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 PERIODS

Ryegrass..... 42 days

## 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.

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See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to HSNO Act 1996 No. HSR101220  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

## REGISTRANT

Agri Solutions Ltd  
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## DISTRIBUTOR

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BATCH NO:

13/05/2021

DATE OF

MANUFACTURE:

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