

# ADAMA Optimus<sup>®</sup>



**MAPP 15249 PCS 04704**

A growth regulator for reduction of crop height, which can lead to control of lodging and yield protection in winter and spring wheat, winter and spring barley, winter and spring oats, durum wheat, rye, triticale and ryegrass seed crops.

An emulsifiable concentration formulation containing 175 g/l (17.2% w/w) trinexapac-ethyl.



## Warning

**Causes skin irritation.**

**May cause an allergic skin reaction.**

**Causes serious eye irritation.**

**Harmful to aquatic life with long lasting effects.**

Keep out of reach of children.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

UK only: Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty, clean containers which can be disposed of as non-hazardous waste.

Ireland only: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed, empty containers which can be disposed of as non-hazardous waste.

**To avoid risks to human health and the environment, comply with the instructions for use.**

**MAPP 15249 PCS 04704**



1 litre e

To access the Safety Data Sheet for this product scan the QR code or use the weblink: <http://goo.gl/B1lwLx> - Alternatively, contact your supplier.

Scan for  
Safety Data  
Sheet



## This leaflet/booklet is part of the approved label.

For advice on medical emergencies, fires or major spills telephone  
the UK National Chemical Emergency Centre on +44 (0)1865 407333

### IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL PLANT GROWTH REGULATOR

Crop	Maximum individual dose (L product/ha)	Maximum total dose (L product/ha)	Latest timing of application*
Winter wheat	0.6	0.6	Before flag leaf sheath extending stage (GS 41)
Spring wheat	0.6	0.6	Before third node detectable (GS 33)
Winter barley	0.9	0.9	Before flag leaf sheath extending stage (GS 41)
Spring barley	0.7	0.7	Before third node detectable (GS 33)
Winter & spring oats	0.6	0.6	Before second node detectable (GS 32)
Rye, triticale, durum wheat	0.6	0.6	Before third node detectable (GS 33)
Grassland (seed crop)	1.1	1.1	Before second node detectable (GS 32)

#### Other Specific Restrictions

This product must not be used on grass seed crops that will be grazed by livestock or cut for fodder.

Treated grassland must not be grazed or cut for fodder.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

\*See the CROP SPECIFIC INFORMATION section for details of the earliest and latest time of application for each recommendation.

UK only: The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

# SAFETY PRECAUTIONS

## Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD)** when handling the concentrate.  
**WEAR SUITABLE PROTECTIVE GLOVES** when handling contaminated surfaces.

UK only: However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

## Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

## Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK OR ANIMAL FEEDINGSTUFFS.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer at the time of filling and dispose of safely.

## CROP SPECIFIC INFORMATION

Crop	Rate of use (L/ha)	Timing
Winter wheat	0.6	Between tillers erect stage and the flag leaf fully emerged stage (GS 30-39)
Spring wheat	0.6	Between tillers erect stage and the second node detectable stage (GS 30-32)
Winter barley	0.6 OR 0.9	<b>At 0.6 litres product/ha.</b> Between tillers erect stage and second node detectable stage (GS 30-32) <b>At 0.9 litres product/ha.</b> Between flag leaf just visible and flag leaf fully emerged stages (GS 37-39)
Spring barley	0.7	Between tillers erect stage and 2nd node detectable (GS 30-32)
Winter and spring oats	0.6	Between tillers erect stage and 1st node detectable (GS 30-31)
Durum wheat, rye and triticale	0.6	Between tillers erect stage and 2nd node detectable (GS 30-32)
Ryegrass seed crops	1.1	Between tillers erect stage and 1st node detectable (GS 30-31)

# DIRECTIONS FOR USE

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

OPTIMUS® is a growth regulator for crop height reduction, which can lead to control of lodging and yield protection in all varieties of winter and spring wheat, winter and spring barley, winter and spring oats, rye, triticale, durum wheat and ryegrass seed crops.

## RESTRICTIONS

### Crop Cautions

Avoid spray drift onto neighbouring crops.

Only use on crops at risk of lodging.

Do not apply if rain or frost is expected or if the crop is wet.

Do not spray crops under stress or to crops suffering from water logging, pest attack, disease or frost.

Take particular care to avoid overlapping of sprayed strips.

Treatment may lead to cereal ears remaining erect through to harvest.

## MIXING AND APPLICATION

For use by tractor mounted/trailed sprayers only.

### Water volume

Apply OPTIMUS in 200-400 L/ha water. The higher water volume may be used if the crop is dense and increased penetration of spray is required. Apply as a MEDIUM (BCPC definition) quality spray.

### Mixing

Half-fill the spray tank with water and begin agitation. Add the required quantity of OPTIMUS. Add the remainder of the water and continue agitation until spraying is complete.

### Spray tank cleaning

Thoroughly wash all spraying equipment and measuring equipment with water and a wetting agent using an integrated pressure rinsing device or manually rinsing three times immediately after use.

## DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

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OPTIMUS® is a registered trademark of a company of the Adama Group.

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## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL PLANT GROWTH REGULATOR

**Crops:** Winter and spring wheat, winter and spring barley, winter and spring oats, rye, triticale, durum wheat and grasslands (seed crop).

**Maximum individual dose (L product/ha)**

**Maximum total dose (L product/ha)**

**Latest time of application**

**Other specific restrictions**

Full details are given in the information box within the attached leaflet.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

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## PROTECT FROM FROST

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Batch No.: see packaging

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