



OPTIMUS

MAPP 18817

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

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.

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

Pack size: 1 – 5 L

Batch No.: XXXXX

Authorisation Holder & Marketing Company

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Technical Helpline telephone number 01274 694714
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PROTECT FROM FROST



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, face protection, eye 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 so. Continue rinsing.

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.

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

**IMPORTANT INFORMATION
FOR PROFESSIONAL USE ONLY AS A PLANT GROWTH REGULATOR**

Crop	Maximum Individual Dose (L product/ha)	Maximum Total Dose (L product/ha/crop)	Maximum number of treatments:	Latest Time 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	-	-	Before flag leaf sheath extending stage (GS 41)
Spring barley	0.7	0.7	-	Before third node detectable (GS 33)
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.

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.

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.

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.

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.

GENERAL INFORMATION

OPTIMUS is a growth 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

- 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.

CROP SPECIFIC INFORMATION

WINTER WHEAT

Application Rate: 0.6 L/ha
Maximum Total Dose: 0.6 L/ha
Application Timing: Between tillers erect stage and the flag leaf fully emerged stage (GS 30-39)

SPRING WHEAT

Application Rate: 0.6 L/ha
Maximum Total Dose: 0.6 L/ha
Application Timing: Between tillers erect stage and the second node detectable stage (GS 30-32)

WINTER BARLEY

Application Rate: 0.6 L/ha or 0.9 L/ha
Maximum Total Dose: 0.9 L/ha
Application Timing: **At 0.6 L/ha:** between tillers erect stage and second node detectable stage (GS 30-32)
At 0.9 L/ha: Between flag leaf just visible and flag leaf fully emerged stages (GS 37-39)

SPRING BARLEY

Application Rate: 0.7 L/ha
Maximum Total Dose: 0.7 L/ha
Application Timing: Between tillers erect stage and the second node detectable (GS 30-32)

WINTER AND SPRING OATS

Application Rate: 0.6 L/ha
Maximum Total Dose: 0.6 L/ha
Application Timing: Between tillers erect stage and the first node detectable (GS 30-31)

DURUM WHEAT, RYE AND TRITICALE

Application Rate: 0.6 L/ha
Maximum Total Dose: 0.6 L/ha
Application Timing: Between tillers erect stage and the second node detectable stage (GS 30-32)

RYEGRASS SEED CROPS

Application Rate: 1.1 L/ha
Maximum Total Dose: 1.1 L/ha
Application Timing: Between tillers erect stage and the first node detectable (GS 30-31)

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 AND SPRAYING

For use by tractor mounted/trailed sprayers only.
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.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on use of the product

ACKNOWLEDGMENTS

OPTIMUS is a registered trademark.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but (as we cannot exercise any control over their mixing or use) all conditions and warranties, statutory or otherwise, as to the quality and fitness for any purpose of our goods are excluded, except in so far as such exclusion is prevented by law, and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack. Use in any other circumstances is entirely at users risk.