

# K2™

## FOR USE AS AN AGRICULTURAL PLANT GROWTH REGULATOR FOR PROFESSIONAL USE ONLY

A soluble concentrate plant growth regulator formulation (pH buffered) containing 620 g/L (54%w/w) chlormequat and metabolic adjuvants for use on spring and winter wheat, spring and winter barley and spring and winter oats for improved yields and lodging control

### SAFETY INFORMATION

#### Hazard Statements

May be corrosive to metals

Harmful if swallowed

Harmful to aquatic life with long lasting effects

#### Precautionary Statements

IF SWALLOWED; call a POISON CENTRE or doctor/physician if you feel unwell

Absorb spillage to prevent material damage

Dispose of contents/container to a licensed hazardous 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 instructions for use



**WARNING**

PCS No.: 04742

Please see attached leaflet for product use details. Read accompanying instructions before use

#### APPROVAL HOLDER:



**Taminco bvba**  
Panterschipstraat 207  
9000 Gent, Belgium  
Tel : 00 32 9 254 1411  
Fax : 00 32 9 254 1410

#### DISTRIBUTOR:



DHM Agrochemicals  
Castle Lodge, Kilgobbin Road  
Dublin 18  
Ireland  
Tel. (01) 295 2377  
Fax. (01) 295 9399  
Email: info@dhm.ie



net contents

5 litre e

Batch No.: See container

Manufacturing date: See container

**PROTECT FROM FROST**

In case of emergency Tel : +32 9 254 1036 (outside office hours)

Poisons Information Centre of Ireland: Tel : 00 353 (0) 1 809 2566

Tel : 00 353 (0) 1 837 9964

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<b>K2</b>			
<b>Crop</b>	<b>Maximum Single Dose (L/ha)</b>	<b>Maximum Total Dose (L/ha/crop)</b>	<b>Latest time of application</b>
Winter Wheat	1.8	1.8	Before flag leaf fully unrolled (GS39)
Spring Wheat	0.9	0.9	Before flag leaf fully unrolled (GS39)
Winter Barley Oats Rye Triticale	2.3	2.3	Before flag leaf fully unrolled (GS39)
Spring Barley	1.25	1.25	Before four leaves unfolded (GS14)
<p><b>READ THE LABEL BEFORE USE, USING THE PRODUCT IN A MANNER WHICH IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE PRINCIPLES OF GOOD PLANT PROTECTION PRACTICE WHEN USING PLANT PROTECTION PRODUCTS</b></p>			

## **SAFETY PRECAUTIONS**

### **OPERATOR PROTECTION:**

Engineering control of operator exposure must be used where practicable in addition to personal protective equipment;

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES** when handling the concentrate or contaminated surfaces.  
**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS)** when applying the product.

**WASH CONCENTRATE** from skin or eyes immediately.

**DO NOT BREATHE SPRAY**

**WHEN USING DO NOT EAT, DRINK OR SMOKE**

**IF YOU FEEL UNWELL**, seek medical advice (show label where possible)

**WASH HANDS AND EXPOSED SKIN** before meals and after work.

### **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).

Extreme care must be taken to avoid spray drift on to non-crop plants outside of the target area.

### **STORAGE AND DISPOSAL:**

**KEEP IN ORIGINAL CONTAINER** tightly closed in a safe place

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

**DO NOT REUSE CONTAINER** for any purpose

**KEEP OUT OF REACH OF CHILDREN**

**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS**

## 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

The application of K2™ can result in yield increase and a reduction in early lodging from a spring application. This control of lodging is more consistent in wheat than in barley

## K2™ APPLICATION RATES AND TIMING

### Winter wheat

Single application	1.0 l/ha Apply K2™ at GS30–39 to reduce lodging and plant height and increase stem diameter
Split dose application	1.8 l/ha Use this rate where there is a high risk of lodging 0.8 to 1.0 l/ha followed by 0.8 to 1.0 l/ha Apply K2™ at up to GS39 ensuring that the maximum total dose of 1.8 l/ha is not exceeded.

### Winter barley

Single application	2.3 l/ha Apply K2™ at GS30–39 to reduce lodging and plant height and increase stem diameter
Split dose application	1.3 l/ha followed by 1.0 l/ha Apply 1.3 l/ha of K2™ at GS30-32 followed by further application of 1.0 l/ha of K2™ before GS39.

### Spring wheat

0.9 l/ha  
Apply K2™ during tillering but before the first node is detectable on half of the main stems. This will generally mean treating the crop between 15 and 35 days after 50% emergence, especially in late drilled spring crops.

### Spring barley

1.25 l/ha  
Apply K2™ at 2-4 leaves unfolded (GS12-14) for maximum possible yield increase.

### Winter and Spring oats

Single application	2.3 l/ha Apply K2™ from just before the beginning of stem elongation (GS 30) until no later than flag leaf sheath extended stage (GS 39)
Split dose application	1.15 l/ha followed by 1.15 l/ha Apply 1.15 l/ha K2™ from just before the beginning of stem elongation (GS 30) followed by a further application of 1.15 l/ha until no later than flag leaf sheath extended stage (GS 39)

### **APPLICATION VOLUME**

Apply the recommended rate of K2™ in at least 200 litres of water per hectare.

### **MIXING**

SHAKE WELL BEFORE USE. Add K2™ to a half-filled spray tank. Top up the tank to the required volume and ensure thorough mixing before and during spraying.

### **CLEANING APPLICATION EQUIPMENT**

After each days work, drain the sprayer, wash thoroughly with water and liquid detergent and spray out completely. Ensure that all liquid is removed from the spray tank, pump and hoses and ensure nozzles and nozzle filters are clean. Remove nozzles, open tank and drain pump to allow free access of air to all parts of the system.

### **APPLICATION CONDITIONS**

Do not apply K2™ to crops under significant stress from water-logging, drought or nutrient deficiency. In hot, dry weather a better result might be obtained from application in the early morning or evening.

### **UNDERSOWN CROPS**

K2™ may be used on crops undersown with clovers and grasses.

### **VARIETAL RESTRICTIONS**

There are no varietal restrictions on the use of K2™

### **CAUTION**

Although K2™ may be used under normal seasonal temperatures (down to 1°C) and ground conditions, it should not be sprayed onto plants covered with frost and requires two hours before rain or frost for a good effect to be obtained.

Do not allow K2™ to drift onto neighbouring crops.

The use of poultry manure or slurry on crops may significantly reduce the lodging control obtainable with K2™.

### **USE OF STRAW**

Do not use straw from K2™ treated cereals as a horticultural growth medium or as a mulch.

### **COMPATIBILITY**

Provided that all product recommendations are followed, K2™ is compatible with a range of commonly used plant protection products, including other plant growth regulators. For up to date details of compatible tank-mixes contact your distributor/the manufacturer/your agronomist.

When using K2™ with a foliar fertiliser, thoroughly mix K2™ before adding the fertilizer to the spray tank. Do not use in tank mixtures with liquid nitrogen fertilizer.

Most chelated or complexed forms of trace elements are compatible with K2™ but some inorganic forms, especially those of manganese (such as manganese sulphate), can cause problems in tank mixture.