

## **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 get a safe and successful use of this product. PADAWAN plant growth regulator reduces straw length and gives higher resistance to lodging. PADAWAN may improve ease of harvest in crops of winter and spring barley, rye, triticale and winter wheat with high lodging risk. PADAWAN treatment will be efficient on healthy and non-stressed crops which have received adequate inputs. It is recommended to apply PADAWAN before lodging occurs. The best response to PADAWAN plant growth regulator is obtained when the crop is growing vigorously and under conditions of high fertility. Only winter and spring barley, rye, triticale and winter wheat crops at risk from lodging should be treated with PADAWAN. Thin crops and particularly those on soils of low fertility are less likely to lodge, and in addition such crops may ripen prematurely.

## **RESTRICTIONS**

Stress factors reduce crop growth and may also lead to secondary tillering and small grains. PADAWAN if used under stress conditions may lead to more secondary tillering and more small grains. Cereals can be susceptible to drought stress. Do not spray when soil is very dry. Do not use within ten days of any or liquid fertilizer treatment or herbicide. Do not spray crops heavily diseased or suffering from pest damage, nutrient deficiency or herbicide stressed. Do not spray during cold weather or periods of night frosts. Do not spray where crop is wet or rain is imminent. Avoid overlapping spray bouts, and drift of spray to adjoining crops. Do not re-use container of any purpose.

## **PREPARATION FOR USE**

Shake the container well before use. Half fill the spray tank with clean water and add the required amount of PADAWAN. On emptying the container, rinse 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 container safely. Begin spray tank agitation and top up to the required volume with clean water. Maintain agitation until spraying is completed. Do not leave the sprayer filled with the spray solution standing for long periods. Wash out the sprayer thoroughly after use with a wetting agent or proprietary tank cleaner.

## **CROP SPECIFIC INFORMATION**

Use on winter and spring varieties of barley and on winter varieties of wheat, rye and triticale.

### **Winter barley**

PADAWAN can be applied at 1.0 L/ha on winter barley when the second node is detectable (GS32) up to before 1st spikelet of inflorescence just visible stage (GS 49). For maximum crop height reduction application is recommended between GS37 and GS39. It is recommended to apply PADAWAN on crops having been drilled early and which are likely to suffer from severe lodging. Crops suffering from stress or likely to be stressed, for example due to soil conditions, should not be treated because undesirable side effects may occur, such as secondary tillers, trapped heads or shrivelled grains.

### **Spring barley**

PADAWAN can be applied at 0.5 L/ha on spring barley when the second node is detectable (GS32) up to before 1st spikelet of inflorescence just visible stage (GS 49). For the greatest reduction in crop height apply at the flag leaf fully extended stage (GS39). It is recommended to apply PADAWAN on crops having been drilled early and which are likely to suffer from severe lodging. Crops suffering from stress or likely to be stressed, for example due to soil conditions, should not be treated because undesirable side effects may occur, such as secondary tillers, trapped heads or shrivelled grains.

### **Winter wheat**

PADAWAN can be applied at 0.75 L/ha on winter wheat when the flag leaf is detectable (GS37) up to and including the boots swollen stage (GS 45). It is recommended to apply PADAWAN on crops having been drilled early and which are likely to suffer from severe lodging. Crops suffering from stress or likely to be stressed, for example due to soil conditions, should not be treated because undesirable side effects may occur, such as secondary tillers, trapped heads or shrivelled grains. For the greatest reduction in crop height use a sequential program of an approved chlormequat product followed by PADAWAN. Apply the chlormequat product at GS30, at a dose equivalent to 900 g chlormequat/ha \*. Follow this by PADAWAN at 0.5 litres product /ha from the flag leaf just visible stage (GS 37) of crop growth up to and including the boots swollen stage (GS 45). \*NB Only if this can be applied in accordance with the chlormequat product label

### **Winter triticale**

PADAWAN may be applied at 1.0 L/ha from the 'flag leaf just visible' stage of crop growth (GS 37) up to and including the 'boots swollen' stage (GS 45). Do not spray crops where the leaf sheaths have split and the ears are visible.

### **Winter rye**

Apply PADAWAN at a maximum of 1.0 L/ha from the 'flag leaf just visible' stage of crop growth (GS 37) up to before 1st spikelet of inflorescence just visible stage (GS 49).

## **SPRAY VOLUME, PRESSURES AND QUALITY:**

Apply through a conventional field crop sprayer and use medium nozzles at a pressure of 2-3 bar.

Good spray coverage is essential. Ensure the sprayer is correctly calibrated before applying and adjusted to give optimal and even coverage of the top leaves. Spray immediately after mixing.

PADAWAN should be applied as a medium spray (BCPC category). Water volume recommended: 200-400 l/ha

## **SOILS AND WEATHER CONDITIONS:**

A moist soil during and after the application is necessary to give the best results. Do not apply to dry, cracked or waterlogged soils. Speed of activity is usually dependent on temperature and growing conditions, then, activity can be slow under cool conditions. Application should not be made to frosted crops: Severe frosts following application may cause crop scorch.

## **SPRAY DRIFT**

Avoid spray drift to neighbouring crops and plants.

## **TANK MIXES**

PADAWAN may be applied as a tank-mix with a range of products. Contact SFP Europe for compatibility information on specific tank-mixes.

Full manufacturer's instructions must be followed for each tank-mix component. Apply in mixture with other chemicals only if any requirements or restrictions on the partner product label do not conflict with the requirements for PADAWAN.