



**SAFETY PRECAUTIONS****(a) Operator Protection**

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES when handling the concentrate and handling contaminated surfaces.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and after work.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

**(b) 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.

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

**(c) Storage and disposal**

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

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

**IMPORTANT INFORMATION**

FOR USE ONLY AS AN PROFESSIONAL HERBICIDE

Crops	Maximum individual dose (litres/product/ha)	Maximum number of treatments	Latest time of application
Wheat (winter), barley (winter)	5 litres (pre-emergence) OR	One per crop	Pre-emergence
	3 litres (up to GS21)		Early tillering (GS 21)
Potatoes	5 litres	One per crop	At emergence (soil rising over emerging potato shoots)

Other specific restrictions:

Do not apply by hand-held equipment.

**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 PRACTISE FOR PLANT PROTECTION PRODUCTS.**

## DIRECTIONS FOR USE

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

### RESTRICTIONS

Do not apply to crops under stress or to crops suffering from waterlogging, pest attack, disease, frost or the effects of high diurnal temperature changes. Transient yellowing can occur although crops fully recover.

For cereals, seed must be covered by 3cm of soil and for best results apply to a firm, moist seedbed free of clods.

DO NOT sow field beans or broad beans within 12 months of application.

### WEEDS CONTROLLED

<b>GRASSWEEDS CONTROLLED</b>	
<b>Susceptible</b>	
Rough stalked meadow grass	Pre-emergence
<b>Moderately susceptible</b>	
Annual meadow grass	Up to 3 true leaves
Loose silky bent	Pre-emergence

DEFY® used pre-emergence will reduce blackgrass and Italian ryegrass populations. It should only be used as part of an appropriate management strategy involving sequences with products of alternative modes of action and the use of cultural techniques.

<b>BROAD-LEAVED WEEDS CONTROLLED</b>	
<b>Susceptible</b>	
Ivy leaved speedwell	Susceptible at cotyledon stage
Black nightshade	Pre-emergence
Chickweed	Susceptible at up to 2 true leaves
Forget Me Not	Pre-emergence
Cranesbill	Pre-emergence
Red dead nettle	Pre-emergence
Common field speedwell	Susceptible at cotyledon stage
Green field speedwell	Susceptible at cotyledon stage
Wall speedwell	Pre-emergence
<b>Moderately susceptible</b>	
Cleavers	Moderately susceptible at 1 whorl
<b>Resistant</b>	
Field pansy	Resistant at emergence

### Weed Resistance

Strains of some annual grasses (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to a range of herbicides which may lead to poor control from one or more product or mode of action.

A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

DEFY should only be used for control of herbicide resistant strains of annual grasses as part of an appropriate management strategy, including sequences with herbicides of alternative modes of action and the use of cultural techniques.

## **CROP SPECIFIC INFORMATION**

### **Winter Cereals**

DEFY applied pre-emergence may infrequently slow crop emergence. This effect is transient and has been demonstrated not to adversely affect yield.

### **Potatoes**

For control of a wider spectrum of weeds use DEFY in mixture with an approved formulation of products containing the active ingredient metribuzin, only as a pre-emergence application. Please consult company literature for specific product and best use guidelines. Always observe full label restrictions for any tank mix partner.

### **Timing**

#### **Winter Cereals**

DEFY can either be used at pre-emergence of the crop (5 l/ha) or at post-emergence of the crop up to GS 21 (3 l/ha). One application per crop.

#### **Early and Maincrop Potatoes**

DEFY may be applied pre-emergence or at emergence of the crop (soil rising over emerging potato shoots). Complete ridge formation before application of DEFY and do not disturb treated soil after application.

### **Rates of Use**

#### **Winter Cereals pre-emergence**

5 litres of product per hectare. One application per crop.

OR

#### **Winter Cereals early post-emergence up to GS21**

3 litres of product per hectare. One application per crop.

#### **Early and Maincrop Potatoes up to emergence (soil rising over emerging potato shoots)**

5 litres of product per hectare. One application per crop.

## **FOLLOWING CROPS**

### **Winter Cereals, Early and Maincrop Potatoes**

Do not sow field beans or broad beans within 12 months of application.

In the case of winter cereal crop failure, Winter Wheat or Winter Barley may be sown immediately in the autumn.

The following crops may be sown in the spring after winter cereal crop failure

<b>Without ploughing</b>
Sunflowers
Maize
Flax

**Without ploughing**

Spring oats  
Spring barley  
Spring wheat  
Spring peas  
Spring oilseed rape  
Soya beans

**With ploughing**

Carrots  
Lettuce  
Onions  
Sugar beets  
Potatoes

**Do not sow**

Field beans  
Broad beans

The following crops may be sown in the autumn after potato crop failure or normal harvest:

**Without ploughing**

Winter oats  
Winter barley  
Winter wheat

**MIXING AND SPRAYING****MIXING**

Fill the spray tank with half the required volume of clean water and start agitation.

Add the required amount of DEFY and continue agitation whilst adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying.

**SPRAYING**

Apply DEFY in a water volume of 200-400 litres per hectare.

Apply DEFY using a conventional fan nozzle producing a medium spray quality as Defined by the British Crop Protection Council. A spray pressure of 2.0-3.0 bars is recommended.

DEFY is rainfast after 1 hour.

**WASHING OUT PROCEDURE**

Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles two to three times with clean water until the foam and all traces of product have been removed.

**COMPANY ADVISORY INFORMATION**

Apply with a Droplet Spectrum of Coarse to Very Coarse, use minimum 75% Drift Reduction Nozzles at correct drift reduction operating pressures.  
Keep forward speeds < 12km/hr.

Ensure Boom height is maintained @ 50cm above target.  
Apply at 200 l water/ha.  
Wind < 4 m/s.  
Do not apply in still wind conditions (Force 0)

To access the Safety Data Sheet for this product, scan QR code:



Alternatively, contact your supplier

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