



GROUP 15 HERBICIDE



Product registration number: MAPP 16202
UFI: RDC3-T007-900M-ECF2

Contains 800 grams per litre prosulfocarb as an emulsifiable concentrate formulation.

For the control of annual grass weeds and annual broad-leaved weeds in Winter Barley, Winter Wheat and Early and Maincrop Potatoes.

SAFETY PRECAUTIONS

(a) 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),
 SUITABLE PROTECTIVE GLOVES when handling the concentrate and 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.

WASH CONCENTRATE from skin or eyes immediately,
 WASH HANDS AND EXPOSED SKIN before eating and after work.
 WASH ALL PROTECTIVE CLOTHING throughly 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 to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, within 1 m of the top of a ditch which is dry at the time of application.

Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. Before each spraying operation from a horizontal boom sprayer a LERAP must be carried out in accordance with CRD's published guidance of the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years. Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

(c) Storage and disposal

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

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

PROTECT FROM FROST
SHAKE WELL BEFORE USE

In case of toxic or transport emergency ring +44 (0) 1484 538444 any time.

Syngenta UK Limited
 Jealott's Hill International Research Centre,
 Bracknell, Berkshire, RG42 6EY
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This product label is compliant with the
 CPA Voluntary Initiative (VI) guidance.



**The
 Voluntary
 Initiative**

L1131355 GBRI/12C PPE 4224196

10 litres

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An emulsifiable concentrate formulation containing 800 grams per litre prosulfocarb.



Danger

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

Do not eat, drink or smoke when using this product.

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

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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.

Do NOT induce vomiting.

Collect spillage.

Store in a well-ventilated place. Keep cool.

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

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL 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 PRACTICE 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

GRASSWEEDS CONTROLLED	
Susceptible	
Rough stalked meadow grass	Pre-emergence
Moderately susceptible	
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.

BROAD-LEAVED WEEDS CONTROLLED	
Susceptible	
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
Moderately susceptible	
Cleavers	Moderately susceptible at 1 whorl
Resistant	
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 approved formulations 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 GS11

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

Without ploughing
Sunflowers
Maize
Flax
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 3* LERAP (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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