

PRO★STAR



GROUP 3 HERBICIDE

MAPP 19238 PROSULFOCARB 800 G/L

For the control of annual grass weeds and annual broad-leaved weeds in winter barley, winter wheat and early and maincrop potatoes.

An emulsifiable concentrate containing 800 g/l prosulfocarb.

Safety Data Sheet for this product scan the QR code or use the weblink: <https://bit.ly/367KDN5>
Alternatively, contact your supplier.



FOR PROFESSIONAL USE ONLY

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

IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

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.

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.

**PROTECT FROM FROST
SHAKE WELL BEFORE USE**

Transport Information

UN 3082 ADR/RID Class: 9 Packaging Group: III

net contents
10L e

Marketing Company Authorisation Holder
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crophthetics

08/21

PRO★STAR



GROUP 8 HERBICIDE

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crothetics



For advice on medical emergencies, fires or major spills telephone the
National Chemical Emergency Centre on 01865 407333

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (litres product per hectare)	Maximum number of treatments per crop	Latest time of application
Winter wheat, and Winter barley	5 litres pre-emergence OR 3 litres up to GS 21	1	Pre-emergence only Early tillering (GS 21)
Potatoes	5	1	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 USING PLANT PROTECTION PRODUCTS.

THE (COSHH) CONTROL OF SUBSTANCES
HAZARDOUS TO HEALTH REGULATIONS MAY
APPLY TO THE USE OF THIS PRODUCT AT WORK.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective clothing.

WEAR SUITABLE PERSONAL 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 thoroughly after use, especially the insides of gloves.

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 a 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 any 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 Environment 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 drift onto non-crop plants outside of the target area.



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.

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.

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 winter cereals, seed must be covered by 3 cm of soil and for the 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

GRASS WEEDS CONTROLLED

Susceptible

Rough stalked meadow-grass: Pre-emergence

Moderately susceptible

Annual meadow-grass: Up to 3 leaves

Loose silky bent: Pre-emergence

PRO-STAR used pre-emergence will reduce black-grass and Italian rye-grass populations. It should only be used as part of an appropriated 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: Up to cotyledon stage

Black nightshade: Pre-emergence

Chickweed: Up to 2 true leaves

Forget-me-not: Pre-emergence

Cranesbill: Pre-emergence

Red dead nettle: Pre-emergence

Common field speedwell: Up to cotyledon stage

Green field speedwell: Up to cotyledon stage

Wall speedwell: Pre-emergence

Moderately susceptible

Cleavers: Up to 1 whorl

Resistant

Field pansy: 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 HGCA, CPA, your distributor, crop adviser or product manufacturer.

PRO-STAR 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

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

TIMING

Winter Cereals

PRO-STAR can be either used at pre-emergence of the crop, or at post-emergence of the crop up to GS 21. One application per crop.

Early and Maincrop Potatoes

PRO-STAR may be applied pre-emergence up to at emergence of the crop (soil rising over emerging potato shoots). Complete ridge formation before application of PRO-STAR 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 GS 21

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

Early and Maincrop Potatoes up to GS 11

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

Do not sow

Field beans
Broad beans

With ploughing

Carrots
Lettuce
Onions
Sugar beet
Potatoes

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 PRO-STAR and continue agitation whilst adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying.

Spraying

Apply PRO-STAR in a water volume of 200-400 L/ha.

Apply PRO-STAR 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 bar is recommended.

PRO-STAR 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 2-3 times with clean water until the foam and all traces of product have been removed.

CONDITIONS OF SUPPLY

All goods supplied are manufactured to our usual standard of quality, but all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of the goods are excluded and no liability (save as to the liability to replace defective goods herein provided) will be accepted by us for any damage, loss or injury whatsoever arising out of or in connection with the goods or drums or other containers thereof, or from the storage, handling, applications or use thereof. In the case of alleged defects in the manufacture of the goods proved by the customer to our satisfaction we will at our expense replace or otherwise remedy the defective goods. In particular liability in tort arising in or out of the manufacture, distribution, sale or use of the product is hereby expressly excluded. All our goods are sold and supplied on the terms contained in our standard Conditions of Sale (of which the above is part) which shall prevail over any other terms and which may be inspected on request.

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