

SPINNAKER®

MAPP 18855

A herbicide 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 (79.0% w/w) prosulfocarb. Also contains solvent naphtha, calcium dodecylbenzene sulphonate and 2-ethylhexan-1-ol.



ADAMA



Scan for Safety Data Sheet or use weblink:
<https://bit.ly/2Ei6JkT>

FR R3.0:1 AUG19



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.

Avoid breathing vapours/spray.

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

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

Do NOT induce vomiting.

If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty, triple rinsed 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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SPINNAKER®

MAPP 18855

PROTECT FROM FROST SHAKE WELL BEFORE USE

DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

Marketing company: Adama Agricultural Solutions UK Ltd
Third Floor East, 1410 Arlington Business Park, Theale, Reading RG7 4SA
Telephone: 01635 860555 | **Technical Helpline:** 01635 876622
www.adama.com | ukenquiries@adama.com
Authorisation holder: Syngenta UK Limited
CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
**For advice on medical emergencies, fires or major spills telephone
the National Chemical Emergency Centre on 01865 407333**
**The (COSHH) Control of Substances Hazardous to Health
Regulations may apply to the use of this product at work.**

OPEN HERE ►

SAFETY PRECAUTIONS

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 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 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, or 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 either a LERAP must be carried out in accordance with HSE's published guidance or 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.

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 PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops: Wheat (winter), barley (winter) and early and maincrop potatoes.

Maximum individual dose (litres/product/ha)

Maximum number of treatments

Latest time of application

Other specific restrictions

Full details are given in the information box within this leaflet.

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.

BK R3.0.1 AUG19

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This leaflet is part of the approved label.

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the National Chemical Emergency Centre on 01865 407333

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disposed of as non-hazardous waste.

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

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	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 GS 21)		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.

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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, or 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 either a LERAP must be carried out in accordance with HSE's published guidance or 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.

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 carefully read in order to obtain safe and successful use of this product.

WEED RESISTANCE

Strains of some annual grasses (e.g. blackgrass, wild oats, and Italian ryegrass) 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 AHDB, CPA, your distributor, crop adviser or product manufacturer.

SPINNAKER® 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.

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 3 cm 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 meadowgrass	Pre-emergence
Moderately susceptible	
Annual meadowgrass	Up to 3 true leaves
Loose silky-bent	Pre-emergence

SPINNAKER 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
Crane's bill	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

CROP SPECIFIC INFORMATION

Winter cereals

SPINNAKER 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 SPINNAKER in mixture with either RETRO or 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.

Time of application

Winter cereals

SPINNAKER 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

SPINNAKER may be applied pre-emergence, or at emergence of the crop (soil rising over emerging potato shoots). Complete ridge formation before application of SPINNAKER 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
With ploughing
Carrots
Lettuce
Onions
Sugar beet
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 SPINNAKER to the spray tank and continue agitation whilst adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying.

Spraying

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

Apply SPINNAKER 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.

SPINNAKER is rainfast after 1 hour.

Crops should not be re-entered until spray residues are dry.

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

This section is not part of the Product Label under Regulation (EC) 1107/2009 and provides additional advice on product use.

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 @ 50 cm above target.

Apply at 200 L water/ha.

Wind < 4 m/s.

Do not apply in still wind conditions (Force 0).

DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use of the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

Marketed by

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