

HURRICANE® SC

MAPP 16027

A herbicide for the control of certain germinating broad-leaved weeds in wheat, barley, rye, durum wheat and triticale.

A suspension concentrate formulation containing 500 g/l (42% w/w) diflufenican.



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

FR R3.3.4 JUN19



Warning

Very toxic to aquatic life with long lasting effects. Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Keep out of reach of children.

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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This leaflet is part of the approved label.

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 total dose (litres product per hectare/crop)	Latest time of application	Aquatic buffer zone distance (metres)
Wheat, barley, durum wheat	0.25	0.25	Before end of February in year of harvest	6
OR				
Wheat, barley	0.2	0.2	Before 2nd node detectable stage (up to BBCH 31)	6
Rye, triticale	0.2	0.2	Before 3 leaves unfolded	6

Other specific restrictions:

This product must not be applied 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.

SAFETY PRECAUTIONS

Operator Protection

WASH CONCENTRATE FROM skin or eyes immediately.

AVOID ALL CONTACT BY MOUTH.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental Protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated

in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years.

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.

Storage and Disposal

KEEP OUT OF THE REACH OF CHILDREN.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY empty washings into spray tank and dispose of safely.
DO NOT RE-USE CONTAINER for any purpose.

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.

HURRICANE® SC is a selective herbicide for use pre- or post-emergence up to BBCH 31 in winter wheat, winter barley and spring barley; pre- or post-emergence up to BBCH 13 in rye and triticale; early post-emergence in durum wheat and post-emergence on spring wheat up to BBCH 31. The product is taken up by germinating seedlings through the shoot and partially by the roots, with little translocation in larger plants.

RESTRICTIONS

DO NOT apply if crop is stressed due to waterlogging, drought, nutrient deficiency, pest infestation etc.
DO NOT apply during prolonged periods of frosty weather. Frost following application may cause crop damage.

DO NOT apply if heavy rain is expected with 4 hours.
DO NOT overlap spray swaths.

Crops may suffer some transient damage such as bleaching which is normally outgrown without affecting yield.

DO NOT direct drill autumn sown broad-leaved crops following application of HURRICANE SC in the previous crop.

DO NOT treat broadcast crops.

DO NOT roll autumn treated crops until the spring.

DO NOT harrow the crop at any time following application.

DO NOT apply to soils with greater than 10% organic matter.

DO NOT treat undersown cereals or those due to be undersown.

See 'Following Crops' section for further information.

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

WEED CONTROL

Weed	Pre-emergence	Up to 2 leaves
Charlock	✓	-
Common chickweed	✓	✓
Common field speedwell	✓	✓
Common poppy	✓	-
Corn spurrey	✓	-
Field mouse-ear	✓	-
Field forget-me-not	✓	-
Field pansy	✓	-
Flixweed	✓	-
Henbit dead-nettle	✓	✓
Ivy-leaved speedwell	✓	-
Parsley piert	✓	-
Red dead-nettle	✓	-
Shepherd's purse	✓	✓
Treacle mustard	✓	-
Volunteer oilseed rape	✓	✓
Wild radish (Runch)	✓	-

Effectiveness using three star drift reduction technology may be reduced.

CROP SPECIFIC INFORMATION

Pre-or post-emergence use on winter wheat, winter barley, spring barley, rye and triticale; early post-emergence on durum wheat and post-emergence on spring wheat.

Do not treat undersown cereals or those due to be undersown.

Avoid spray drift onto neighbouring crops.

RATE OF USE AND TIMING

Apply 0.25 L/ha HURRICANE SC pre- or post-crop emergence, up to the end of February on winter wheat, winter barley and spring barley. Alternatively, a lower dose of 0.2 L/ha may be applied before 2nd node detectable (up to BBCH 31) on winter wheat (excluding durum wheat), winter barley and spring barley.

Apply 0.25 L/ha HURRICANE SC post-crop emergence, up to the end of February on durum wheat.

Use on spring wheat post-emergence is allowed up to the end of February at the dose of 0.25 L/ha or at the lower dose of 0.2 L/ha before 2nd node detectable stage (up to BBCH 31).

For rye and triticale apply pre- and post-crop emergence (up to BBCH 13).

WATER VOLUME

Apply as a MEDIUM spray (BCPC category) in 200-250 litres water/ha. Qualified recommendation: Lower water volumes of 100 L/ha may also be used, however these have not been supported by effectiveness or crop safety data.

SOIL CONDITION

Prepare a firm fine seedbed for best results, with clods no more than fist size. The crop should be sown to the normal depth of 25 mm. It is important to ensure that the seed is well covered. Good weed control depends on burying and dispersing of any trash or burnt straw before or during seedbed preparation.

For best results apply to a moist seedbed. Do not apply to dry, cracked or waterlogged soils.

Do not use on sands (Soil Texture [85] System) or very stony or gravelly soils due to risk of crop damage.

FOLLOWING CROPS

Plough to 150 mm and thoroughly mix the soil before drilling or planting any following crops (either after crop failure or normal harvest).

CROP FAILURE: If a crop fails for any reason, only re-drill with winter wheat or winter barley, after ploughing. A period of 12 weeks must lapse after ploughing before spring crops of wheat, barley, oilseed rape, peas, field beans, sugar beet, potatoes, carrots, edible brassicas or onions may be drilled.

NORMAL HARVEST: In the autumn following normal harvest, only drill winter cereals, oilseed rape, field beans, leaf brassicas, sugar beet seed crops and winter onions. In the spring following normal harvest, only the spring crops listed above (under CROP FAILURE) can be drilled.

Occasionally seedlings of brassica crops may exhibit slight discoloration of the cotyledons, which is normally outgrown without affecting subsequent growth.

Where diflufenican containing products are applied to successive cereal crops, levels of diflufenican will build up in the soil. Even with ploughing to 150mm and thorough mixing of the soil, there may still be a risk of damage to following crops of onions, leeks, other allium crops and clover. As a precaution, users who rent out their land to growers of these crops should not use diflufenican containing products in successive years before renting out that land.

MIXING AND SPRAYING

Ensure the sprayer is clean and in good working order. Calibrate according to the sprayer manufacturer's recommendations.

Half-fill the spray tank with clean water and begin agitation. Add the required quantity of HURRICANE SC to the tank and complete filling. Continue agitation until spraying is complete.

Do not leave the sprayer standing with the spray mixture in it for a long period of time.

Wash out the sprayer thoroughly after use, using a wetting agent or a proprietary tank cleaner.

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 or 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.

Approval holder and marketing company

Third Floor East, 1410 Arlington Business Park
Theale, Reading RG7 4SA
Telephone: 01635 860555
Technical Helpline: 01635 876622
www.adama.com
Email: ukenquiries@adama.com

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EXTENSIONS OF USE

This extension of the authorised use provides for the use of HURRICANE SC in respect of crops and situations, other than those included on the product label (above). Neither the efficacy or the phytotoxicity of the product for which this extension of authorisation has been granted have been assessed and, as such, the user bears the risk in respect of failures concerning its efficacy and phytotoxicity.

Crop:	Maximum individual dose: (litres product/ha)	Maximum total dose: (litres product/ha/year)	Maximum number of treatments	Latest time of application	Aquatic buffer zone distance (metres)
Oats*	0.25	-	1	Before end of February in year of harvest	6
OR					
Oats*	0.2	-	1	Before 2nd node detectable stage	6
Grassland (seed crop)	0.25	-	1	Before end of February in year of harvest	6
Outdoor crops of crops grown for game cover, forest nursery, ornamental plant production	0.25	0.25	-	Before end of February in year of application	6

OR

Outdoor crops of crops grown for game cover, forest nursery, ornamental plant production	0.2	0.2	-	Before end April in year of application	6
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* for the control of broad-leaved weeds and annual meadowgrass.

Other specific restrictions:

This product must only be applied in accordance with the terms of this extension of authorisation, the product label and/or leaflet and any additional guidance on extensions of use.

This product must not be applied by hand-held equipment except for the specific conditions as permitted for ornamental plant production (outdoor) and crops grown for game cover (outdoor) under the Extension of Authorisation no. 3440 of 2018.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

Treated grass seed crops must not be grazed or cut for fodder.

For use on crops grown for game cover, the seed or any part of treated plants, must not be used for human or animal food or feed (except game birds).

For use on crops grown for ornamental plant production, the seed or any part of treated plants, must not be used for human or animal food or feed.

Application should be made via a conventional hydraulic sprayer in 200 litres of water per hectare. It is advisable to test a small area prior to treating the whole crop.