

deflect

MAPP: 18236

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

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

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



WARNING

HAZARDOUS TO THE AQUATIC ENVIRONMENT – CHRONIC 1

Very toxic to aquatic life with long-lasting effects.

KEEP OUT OF REACH OF CHILDREN.

Avoid release to the environment.

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.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic skin reaction.

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL AGRICULTURAL HERBICIDE

Crops	Maximum individual dose (litres product /hectare):	Maximum total dose (litres product /hectare/crop):	Latest time of application.	Aquatic buffer zone (metres)
Barley, wheat	0.25	0.25	Before end of February in the Year of harvest	6
OR				
	0.2	0.2	Before 2 nd node detectable stage	
Durum wheat	0.25	0.25	Before end of February in the Year of harvest	6
Rye, triticale	0.2	0.2	Pre-emergence	6

Other specific restrictions:

Do not apply via hand-held equipment.

Buffer zones of more than 5m cannot be reduced under the local Environment Risk Assessment for pesticides (LERAP) scheme.

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 30m from the top of the bank of any surface water bodies. Protect from frost. Store above 5°C. Ensure adequate ventilation in confined spaces.

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.

Contents: 1L (high density polyethylene container)

Batch number: XXXX

Approval holder: Sharda Cropchem Ltd.

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1 L

SAFETY DATA SHEET

Operator Protection

WASH CONCENTRATE from skin or eyes immediately

AVOID ALL CONTACT BY MOUTH

DO NOT BREATHE SPRAY

WASH HANDS/EXPOSED SKIN before eating and

drinking/smoking/after work

Environmental Protection

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 REDUCING TECHNOLOGY FOR ALL USES.

Low drift sprays 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 30m 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 1m of the top of a ditch which is dry at the time of application.

Spray must be aimed away from water.

BUFFER ZONES OF MORE THAN 5M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENTAL 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 REACH OF CHILDREN

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

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 OTHER PURPOSE.

ENSURE ADEQUATE VENTILATION IN CONFINED SPACES.

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.

1. Restrictions or Warnings

DO NOT apply if crop is stressed due to water logging, drought, nutrient deficiency or pest infestation.

DO NOT apply during prolonged periods of frosty weather. Frost following application may cause crop damage.

DO NOT apply if heavy rain is expected within 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 DEFLECT 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.

2. Weed Control

DEFLECT is a selective residual herbicide effective against the following weeds:

- Charlock (*Cinapis arvensis*)
- Common poppy (*Papaver rhoeas*)
- Corn spurry (*Spergula arvensis*)
- Field mouse-ear (*Cerastium arvense*)
- Field forget-me-not (*Myosotis arvensis*)
- Fluxweed (*Descurainia Sophia*)
- Henbit dead-nettle (*Lamium amplexicaule*)
- Ivy-leaved speedwell (*Veronica hederifolia*)
- Parsly-piert (*Aphanes arvensis*)
- Red dead-nettle (*Lamium purpureum*)
- Shepherd's purse (*Capsella bursa-pastoris*)

•Treatcud (Erysimum cheiranthoides)

•Volunteer oilseed rape (*Brassica napus*)

•Wild radish (*Raphanus raphanistrum*)

Application should be made pre-emergence (see 'Crop specific information' section for more specific information).

Effectiveness using three star drift reduction technology may be reduced.

3. Crop specific information

Pre or post emergence use on winter wheat, winter barley and spring barley.

Low drift sprays 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 30m 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 1m of the top of a ditch which is dry at the time of application.

Spray must be aimed away from water.

BUFFER ZONES OF MORE THAN 5M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENTAL 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.

3.1 Winter wheat, winter barley and spring barley (excluding durum wheat)

Option 1	
Rate	0.25 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Pre or post emergence, up to the end of February

Option 2	
Rate	0.2 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Before 2 nd node detectable (GS32)

3.2 Durum wheat

Rate	0.25 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Apply post-crop emergence up to the end of February

3.3 Spring wheat

Option 1	
Rate	0.25 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Post-emergence up to the end of February

Option 2	
Rate	0.2 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Before 2 nd node detectable (GS32)

3.4 Rye and triticale

Rate	0.2 L/ha
Water volume	Apply as a MEDIUM spray (BCPC) in 200-250 litres water/ha
Timing	Pre-emergence

4. Soil condition

Prepare a firm fine seedbed for best results, with clods no more than 100mm in size.

The crop should be sown to the normal depth of 25mm. It is important to ensure that the seed is well covered. Good weed control depends on burying and dispersing 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 BS 85 system) or very gravelly or stony soils due to risk of crop damage.

5. 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).

5.1 Following crops after 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 below (under 'in the event of crop failure') can be drilled.

Occasionally seedlings of brassica crops may exhibit slight discolouration 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 when 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.

5.2 In the event of 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.

6. Mixing and Spraying

Ensure the sprayer is clean and in good working order. Calibrate according to the sprayer manufacturers recommendations.

Half fill the spray tank with clean water and begin agitation. Add the required quantity of DEFLECT to the tank and complete filling. Continuous agitation must be maintained until spraying is complete.

All application equipment must be thoroughly cleaned using a wetting agent or proprietary tank cleaner prior to storage or use on another crop.

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

The following does not form part of the product label under the UK Plant Protection Products Regulations.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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