

# SOLO 500SC

MAPP 17662

Suspension Concentrate (SC) containing 500 g/l diflufenican.

Selective contact and residual herbicide in wheat, barley, rye & triticale for the control of annual dicotyledons.

## WARNING



**Very toxic to aquatic life with long lasting effects**

- Avoid release to the environment.
- Collect spillage.
- Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for empty, triple-rinsed containers which can be disposed of as non-hazardous waste.

IMPORTANT: the (COSHH) Control of Substances Hazardous to Health regulations may apply to use of this product at work. **FOR 24 HOUR EMERGENCY INFORMATION TELEPHONE 01763 212 100.**

Contains 1,2-benzisothiazolin-3-one. May cause an allergic reaction.

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

**SIPCAM UK LTD CONDITIONS OF SUPPLY** - All goods supplied by us are of high grade and suitable for use. Since we cannot control the conditions of storage, handling or use or the weather conditions before or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality of fitness of our goods are excluded. We cannot therefore accept any responsibility for any failure in performance, damage or injury whatsoever, arising from storage, handling, application or use.

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HERBICIDE

## FOR PROFESSIONAL USE ONLY

### FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	Maximum individual dose: (L product/hectare)	Maximum total dose per crop: (L product/hectare)	Latest time of application	Aquatic buffer zone distance (m)
Winter wheat, Winter barley	0.25 L/ha Or 0.2 L/ha	0.25 L/ha 0.2 L/ha	Before end of February in year of harvest Before 2nd node detachable stage (BBCH 32)	6
Rye and Triticale	Or 0.2 L/ha	0.2 L/ha	Pre-emergence	6
Spring barley	0.25 L/ha	0.25 L/ha	Pre-emergence	6

**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 code of practice for using plant protection products.**

## 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 GLOVES** when handling the concentrate or contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. **WHEN USING DO NOT EAT, DRINK OR SMOKE.**

**WASH HANDS/EXPOSED SKIN** before eating and drinking/smoking/after work.

### Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone of 6 m to surface water bodies and use 3-star drift reduction technology (75% drift reduction).

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

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Scan to view the Safety Data Sheet

Alternatively, download the Safety Data Sheet from [sipcamuk.co.uk](http://sipcamuk.co.uk) or contact your supplier.

Chemicals Regulation Directorate'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.

Avoid release to the environment.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/avoid contamination via drains and farmyards and roads).

### Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF THE REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

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

Collect spillage

## 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.

SOLO 500SC can be used pre- emergence in winter wheat, winter barley, spring barley, rye and triticale and early post-emergence in winter wheat and winter barley.

This product is taken up by the shoots of germinating seeds and seedlings. Susceptible weeds germinate but show immediate yellowing often followed by a distinctive discolouration, thereafter the plants become necrotic and die back.

Effectiveness using three star drift reduction technology may be reduced.

### 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 SOLO 500SC 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.

## WEED CONTROL

SOLO 500SC should be applied pre-weed emergence. Weeds susceptible pre-emergence:

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		

### Crops

For use pre or post-emergence on winter wheat and winter barley and for use pre-emergence on rye and triticale.

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

### Rate of Use and Timing

Apply 0.25 l/ha SOLO 500SC pre- or post-crop emergence, up to the end of February on wheat and barley.

On winter wheat or winter barley a reduced dose of 0.2 l/ha may be applied before 2nd node detectable (before GS32). Apply 0.25 l/ha SOLO

500SC pre-crop emergence on spring barley.

DO NOT treat undersown cereals or those due to be undersown. See 'Following Crops' section for further information

Apply 0.2 l/ha SOLO 500SC pre-crop emergence on rye and triticale.

### Water Volume

Apply as a MEDIUM spray in 200-300 litres/water/ha.

### 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 25mm ensuring 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.

#### **Crop Failure & Following Crops**

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

In the event of a crop failure winter wheat or winter barley may be re-drilled, 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.

In the autumn following a normal harvest, only drill winter cereals, oilseed rape, field beans, leaf brassicas, sugar beet seed crops and winter onions.

In the spring following a normal harvest, only the spring crops listed above (under 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 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**

Before spraying ensure the sprayer is clean and in good working order. Half fill the sprayer with clean water and begin to agitate.

Add the required quantity of SOLO 500SC and complete filling. Continue to agitate during spraying.

Apply in 200-300 litres/ha water as a medium spray.

Increase the water volume where weed infestation is heavy or the crop cover is dense. Complete coverage of weeds is essential.

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

#### **Tank cleaning**

After using SOLO 500SC empty the tank completely and drain the whole system. Thoroughly wash inside the tank with a pressure hose. Quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles, then drain. Quarter fill the tank again, add a suitable detergent and circulate through the system for at least 15 minutes. Drain, remove filters and nozzles and clean separately. Rinse inside the tank thoroughly using a pressure hose and flush system with clean water.

#### **SHAKE WELL BEFORE USE.**