

**SUNFIRE**

**PCS 05497**

**Batch number;**

**Date of manufacture:- Please refer to packaging**

A suspension concentrate containing 500 g/litre flufenacet. SUNFIRE is a residual herbicide for use in winter sown cereals for the control of black-grass, annual meadow grass, loose silky bent and other annual grass weeds.

**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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WHEN USING, DO NOT EAT DRINK OR SMOKE.

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

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

CONTAINS FLUFENACET. MAY PRODUCE AN ALLERGIC REACTION.

AVOID CONTACT WITH SKIN.

Treated crops should not be re-entered before spray deposits on leaf surfaces have completely dried.

**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).

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

To protect aquatic organisms respect an unsprayed buffer zone of 5 meters to surface water bodies.

**Storage and Disposal**

KEEP OUT OF THE REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

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

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.  
DO NOT RE-USE CONTAINER FOR ANY PURPOSE

Protect against frost. Keep away from heat and direct sunlight

FOR PROFESSIONAL USE ONLY.

### IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops/Situations	Maximum Individual Dose (litres product/ha)	Maximum Total Dose (litres product/ha/crop)	Latest Time of Application
Winter Cereals, wheat, barley, triticale and rye.	0.48	0.48	Up to third tiller detectable stage (GS 23)

**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.**

### SUNFIRE

A suspension concentrate containing 500 g/litre flufenacet and 1,2-benzisothiazolin-3-one.



Warning

Harmful if swallowed

May cause damage to organs through prolonged or repeated oral exposure

Very toxic to aquatic life with long lasting effects.

Do not breathe mist/spray  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves and protective clothing  
IF SWALLOWED: Call a POISON CENTRE or a doctor/ physician if you feel unwell.  
Collect spillage  
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed 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.

Do not contaminate water with the product or its container.

*Contains flufenacet and 1,2-benzisothiazolin-3-one. May produce an allergic reaction*  
PCS 05497

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**For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777**

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#### **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. SUNFIRE is a herbicide with residual activity for the control of black-grass, loose silky bent and annual meadow grass in winter sown cereals.

#### **CROP SPECIFIC INFORMATION**

##### **CEREALS**

SUNFIRE can be used on all varieties of winter sown wheat, barley, triticale and rye. Apply from the pre-emergence up to third tiller stage (GS 23) of the crop in the Autumn.

### **WEEDS CONTROLLED**

Susceptibility of weeds to single application of SUNFIRE.

Weeds are controlled both pre-emergence and post-emergence.

Weed susceptibility	l/ha Pre-emergence use	Pre-emergence	l/ha Post-emergence use	Post-emergence
Black-grass	0.48	MS	0.48	MS
Loose Silky Bent	0.36	S	0.36	S
Annual Meadow Grass	0.36	S	0.36	S

S= Susceptible

MS = Moderately susceptible

MT = Moderately tolerant

### **RESTRICTIONS**

Soil moisture must be present for SUNFIRE to work.

Best results will be obtained if rainfall occurs within 7 days of application. Residual control may be reduced under prolonged dry conditions, on soils with a high kd factor, where organic matter exceeds 6%, and in soils where the ash content is high. Do not disturb the soil after SUNFIRE has been applied as this will result in reduced weed control.

Do not use in windy conditions in order to avoid the risk of drift onto other crops.

Avoid spraying during periods of prolonged or severe drought or frost.

Where there is very wet weather before and after application and particularly where soils become water-logged, reduction in crop vigour which may result in yield reductions may occur.

### **Soil Types**

SUNFIRE may be used on all mineral soil types. Do not use on soils with more than 10% organic matter. On stony or gravelly soils, crop damage could occur, particularly if heavy rain follows treatment. Control of black-grass may be reduced on soils with a high clay content. Do not use on waterlogged soils or soils prone to water logging.

### **Seedbed preparation**

Trash and straw should be incorporated evenly to a depth of 15 cm during seedbed preparation. Seedbed must have a fine, firm tilth. Consolidate loose or cloddy seedbeds before use.

Following pre-emergence applications, unconsolidated clods, if they are larger than 7.5cm in diameter may reduce the level of weed control and cause seed to be inadequately covered, which could result in crop damage.

### **Crop Safety**

Extreme caution must be taken to avoid spray drift onto non target crops.

Do not use on crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed preparation or previous chemical treatment.

Seed should be covered with a minimum of 3.2 cm of settled soil.

Shallow drilled crops should be treated post-emergence.

Do not soil incorporate. Do not spray undersown crops.

### **MIXING AND APPLICATION**

Half-fill the spray tank and start the agitation. Shake the product several times before opening to ensure thorough mixing and add the required amount of SUNFIRE to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is complete. When using tank mix partners, carefully follow the instructions on the partner

product. Each product should be added separately to the spray tank and fully dispersed before the addition of any further product.

Ensure that all packaging is rinsed thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add washings to the spray tank at the time of filling and dispose of container safely.

When applying the product, ensure even spray cover of the target weeds by using a suitable nozzle type.

Apply SUNFIRE in 200-400 L/ha of water.

For tractor-mounted or trailed sprayers a travel speed of 6-8 km/h is advised to avoid the risk of uneven cover due to excessive boom whip and bounce.

The slower speed is recommended where the target is in a thick crop or weed cover and the ground conditions are rough.

### **COMPATIBILITY**

SUNFIRE may be tank mixed with a variety of plant protection products providing that the application timing is correct for both SUNFIRE and the partner(s) in the mixture.

When tank mixing with other products use a sufficient water volume. Any use restrictions of products in the mixture should be observed. For further information on possible tank-mixes, consult your dealer representative.

### **RESISTANCE MANAGEMENT**

Strains of some annual grasses (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted.

Populations of black-grass and Italian rye-grass with high levels of enhanced metabolism resistance will not be fully controlled.

Maximise the use of cultural control measures wherever possible (e.g. crop rotation etc.)

Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.

For the control of herbicide resistant grass weeds, always use SUNFIRE in tank mix or sequence with other effective graminicides with different modes of action.

Apply pre-emergence of weeds wherever possible. If applications are delayed, apply post-emergence products/mixtures to small actively growing weeds if high levels of resistance are suspected and to reduce the risk of resistance development.

### **FOLLOWING CROPS**

#### **After normal harvest:**

There are no restrictions on following crops after the use of SUNFIRE. Plough to at least 150 mm before planting of all monocotyledon crop types, with the exception of wheat, barley, triticale, rye or maize.

Amended 26<sup>th</sup> July 2019 MJM

**In the event of crop failure:**

Plough to at least 150 mm. The following crops may then be sown; wheat, barley, triticale or rye with no restriction and any spring planted broad-leaved crop type following a minimum period of 8 weeks after application.

**Please refer to the following crop recommendations of any possible tank-mix or sequence partner products.**

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END OF LABEL TEXT

**Company Advisory Information**

This section is not part of the Product Label under Regulation 1107/2009. It provides additional advice on product use at the discretion of the applicant.

**Material Safety Data Sheet**

To access the Safety Data Sheet for this product, scan the QR code or use the web link below

URL: <https://cutt.ly/rviN7v>



Alternatively, contact your supplier