



Firebird[®]



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Herbicide

For use only as an agricultural herbicide.

A contact and residual herbicide for pre and post-crop emergence use against a range of annual grasses and broad leaved weeds in winter wheat and winter barley

A suspension concentrate formulation containing 90 g/L diflufenican, 240 g/L flufenacet and 70 g/L metribuzin

Authorisation holder

Bayer CropScience Ltd.
230 Cambridge Science Park
Milton Road
Cambridge
CB4 0WB
United Kingdom

Freephone: 1800 818534

For 24hr Emergency Information contact

Bayer CropScience Limited
Telephone: 00800 1020 3333

Marketing company

Bayer CropScience Ltd.
Bayer Ltd.
The Atrium
Blackthorn Road
Sandyford, Dublin 18

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Safety information

FIREBIRD MET

A suspension concentrate formulation containing 90 g/L diflufenican, 240 g/L flufenacet and 70 g/L metribuzin l.



WARNING

May cause damage to organs (nervous system) through prolonged or repeated exposure if swallowed.

Very toxic to aquatic life with long lasting effects.

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician. 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 flufenacet, 1,2-benzisothiazolin-3-one and 5-chloro-2-methyl-isothiazol-3-one/2-methyl-isothiazol-3-one. May produce an allergic reaction.

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

PCS No. 06550

IE8721706a rA1



SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND GLOVES when handling the product and when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) during application.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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 of 10 m* to surface water bodies. Do not allow direct overspray of static or flowing surface waters.

* To reduce this buffer zone please refer to PRCD Guidance – STRIPE (Surface water Tool for Reducing the Impact of Pesticides in the Environment).

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Use appropriate containment to avoid environmental contamination.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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.

DO NOT RE-USE CONTAINER for any purpose.

READ ALL INSTRUCTIONS CAREFULLY BEFORE USE

For professional use only.



firebirdmetiesds

To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.bayercropscience.ie/sds/firebirdmet.pdf

or alternatively contact your supplier

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Bayer

Crop	Maximum individual dose	Maximum total dose	Latest time of application
Winter wheat, winter durum wheat, winter barley	1.0 L/ha	1.0 L/ha/crop	Before end of November

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.

RESTRICTIONS

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

Avoid treating crops suffering from stress as a result of drought, waterlogging, grazing, pests or disease attack, nutrient deficiency, soil compaction or other factors reducing crop growth.

Adverse crop effect (paling, reduction in vigour and biomass reduction) may occur when there is very wet weather before and after application, particularly on crops grown on light, free-draining soils or where soils become waterlogged. These effects are typically transient in nature and will normally have no adverse effect on crop yield.

Avoid use on waterlogged soils or on crops subject to temporary waterlogging by heavy rainfall, as there is a risk of transitory chlorosis and biomass reduction.

DO NOT use on sands or very light soils (ADAS 85 classification) or very stony or gravelly soils as there is a risk of crop damage.

Shallow drilled crops must only be treated post-emergence.

DO NOT treat broadcast crops as uncovered seed may be damaged.

DO NOT soil incorporate.

Avoid spraying during periods of prolonged or severe frosts as sharp or severe frosts following application may cause transitory discoloration or scorch from which the crop will normally recover.

DO NOT use on soils containing more than 10% organic matter.

DO NOT disturb the soil after application (e.g. by harrowing or rolling).

WEEDS CONTROLLED

developed resistance to herbicides which may lead to poor control. 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 Teagasc, your distributor, crop advisor or product manufacturer.

Key aspects of the Firebird Met Resistance Management Strategy are:

- ALWAYS follow WRAG guidelines for preventing and managing herbicide resistant weeds
- DO NOT use Firebird Met as a stand-alone treatment for black-grass control. Use only in tank mix or sequence with effective herbicides with alternative modes of action
- DO NOT use Firebird Met as the sole means of grass weed or broad-leaved weed control in successive crops
- ALWAYS use grass and broad-leaved weed herbicides with alternative modes of action throughout the cropping rotation
- ALWAYS monitor weed control effectiveness and investigate any odd patches of poor grass or broad-leaved weed control. If unexplained, contact your agronomist who may consider a resistance test appropriate.

WEED SUSCEPTIBILITY TO FIREBIRD MET

	At 0.5 L/ha		At 1.0 L/ha	
	Pre-emergence	Post-emergence	Pre-emergence	Post-emergence
Grass weeds				
Black-grass	-	-	Moderately resistant (MR)	Moderately resistant (MR) up to and including GS 13 (3 leaf stage)
Meadow-grass, annual	Susceptible (S)	Susceptible (S) up to and including 2 leaf stage (GS 12)	-	-

	At 0.5 L/ha		At 1.0 L/ha	
	Pre-emergence	Post-emergence	Pre-emergence	Post-emergence
Broad-leaved weeds				
Chickweed, common	-	Susceptible (S) up to and including early branching stage (GS 22)	Susceptible (S)	Susceptible (S) up to and including early branching stage (GS 22)
Cleavers	-	-	Moderately susceptible (MS)	-
Dead-nettle, red	Susceptible (S)	Susceptible (S) up to and including 4 leaf stage (GS 14)	-	-
Groundsel	Moderately susceptible (MS)	-	Susceptible (S)	Moderately susceptible (MS) up to and including GS 14 (4 leaf stage)
Pansy, field	Susceptible (S)	Susceptible (S) up to and including 4 leaf stage (GS 14)	-	-
Scented mayweed	Moderately susceptible (MS)	Moderately susceptible (MS) up to and including 4 leaf stage (GS 14)	Susceptible (S)	Susceptible (S) up to and including GS 14 (4 leaf stage)
Speedwell, common field	Susceptible (S)	Susceptible (S) up to and including 6 leaf stage (GS 16)	-	-

Established perennial grasses and broad leaved weeds growing from rootstocks will not be controlled by Firebird Met. Speed of activity can be slow and is dependent on temperature and growing conditions. Activity can be slow under cool conditions and the final level of weed control may take some time to appear. Some soil moisture is required for Firebird Met to be activated. Moist soil at and after application is required to give the best results. Best results will be obtained if rain falls within 7 days of application. Residual control may be reduced under prolonged dry conditions.

CROP SPECIFIC INFORMATION

Good weed control depends on burying any trash or straw before or during seedbed preparation.

Seed beds must have a firm, fine tilth. Loose or cloddy seed beds must be consolidated otherwise crop damage may result due to inadequate seed cover. For pre-emergence treatments, seed should be covered with a minimum of 32 mm of settled soil.

Use at a rate of 0.5 or 1.0 litres of product/ha according to weeds present and growth stage. Apply via a horizontal boom sprayer. Apply in 100 400 L/ha as a MEDIUM spray (BCPC category). Use the higher volume where crop or weed foliage is dense. A spray pressure of at least 2 bars is advised. Good, even spray coverage of soil and weeds is essential. Take extreme care to avoid overlapping spray swaths, particularly when applying pre-emergence, or damage may occur and this may result in yield reductions in some cases, To prevent damage, extreme care must be taken to avoid drift onto neighbouring crops.

Chlorosis or stunting of the crop may be observed, particularly where applications are made to crops grown on light free draining soils. This effect is transitory in nature and there will normally be no adverse impact on grain yield.

Apply pre or post-emergence of the crop, up to and including the fifth tiller stage (GS 25).

FOLLOWING CROPS and CROP FAILURE

Crops which can be established in the autumn following harvest of a treated cereal crop:

Winter oilseed rape, mustard and edible brassicae where soil is ploughed or cultivated to at least 15 cm and soil is thoroughly mixed before planting

Wheat, durum wheat and barley can be established without any cultivation requirements.

Crops which can be established in the spring following harvest of a treated cereal crop:

Spring wheat, spring barley, spring oilseed rape, sugar beet, mustard, peas, sunflowers and maize can be established without any special cultivations.

In the event of crop failure, for any reason, spring wheat and spring barley can be established after an interval of 5 months has elapsed between an application of Firebird Met and replacement crop establishment. An interval of 6 months should elapse between treatment and subsequent sowing of maize or sunflowers.

Where Firebird Met and other products containing diflufenican are applied to successive cereal crops, levels of diflufenican (DFF®) will build up in the soil. Ploughing or cultivation, with complete inversion of the furrow, must take place before planting any following non-cereal crop, except potatoes. Even where ploughing or cultivation is carried out there may still be a risk of damage to following crops of onions, leek and related species, or clover. As a precaution, users who rent out their land to growers of these crops should not use DFF-containing products in successive years before renting out the land.

MIXING

Half fill the spray tank with clean water and add the required amount of Firebird Met. Wash out the container and add the washings to the spray solution, before topping up with clean water. Maintain continuous agitation of spray solution during mixing and loading and until spraying is complete. Do not leave the sprayer filled with the spray solution standing for long periods. Wash out the sprayer thoroughly after use using a wetting agent or proprietary tank cleaner with two rinses.

COMPATIBILITY

Firebird Met may be applied as a tank-mix with a range of products. Contact Bayer Crop Science for compatibility information on specific tank-mixes. Full manufacturer's instructions must be followed for each tank-mix component.



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