

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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD)** when handling the concentrate. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. **DO NOT BREATHE SPRAY.** **WHEN USING DO NOT EAT, DRINK OR SMOKE.** **WASH CONCENTRATE** from skin and eyes immediately. **WASH HANDS AND EXPOSED SKIN** before eating and drinking, and after work.

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 to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. **DO NOT ALLOW DIRECT SPRAY** from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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

Storage and disposal:

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.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<http://uk.dowagro.com/wp-content/uploads/SPITFIRE-SDS.pdf>

Alternatively contact your supplier

Dow

Dow AgroSciences



HERBICIDE

Product Registration Number: MAPP 15101.

A suspension emulsion formulation containing 100 g ae/litre fluroxypyr and 5 g/litre florasulam.

A post-emergence herbicide for use on all varieties of WINTER AND SPRING WHEAT, BARLEY, OATS, RYE AND TRITICALE and these crops UNDERSOWN WITH GRASS for the control of BROAD-LEAVED WEEDS.

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

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

PROTECT FROM FROST.

SHAKE WELL BEFORE USE.

5 Litres e

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: (01462) 457272 Fax: (01462) 426605

24 Hour Emergency Telephone Number: +44 (0) 1553 761251

® Trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow

This label is compliant with the CPA Voluntary Initiative Guidance.



IMPORTANT INFORMATION.

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops:

Barley (winter and spring), barley (winter and spring, undersown with grass), wheat (winter and spring), wheat (winter and spring, undersown with grass), oats, oats (undersown with grass), rye (winter), rye (winter, undersown with grass), triticale, triticale (undersown with grass)

Maximum Individual Dose:

Maximum Number of Treatments:

Latest Time of Application:

Other Specific Restrictions:

} Full details are given in the Important Information box on the attached leaflet.

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.



Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 [CLP]: Spitfire®, Hydrocarbons, C9, aromatics

DANGER:

FLAMMABLE LIQUID AND VAPOUR. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Wear protective gloves/clothing/eye/face protection. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Do NOT induce vomiting. 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



P 0 0 3 4 8 5 9 4 1 6 0 9



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.

IMPORTANT INFORMATION.

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	Maximum Individual Dose	Maximum Total Dose	Latest Time of Application
Barley (winter), barley (winter, undersown with grass), wheat (winter), wheat (winter, undersown with grass)	1.0 litre product per hectare	1.0 litre product per hectare per crop	Up to boots swollen stage (up to Zadoks 45 inclusive)
Barley (spring), barley (spring, undersown with grass), wheat (spring), wheat (spring, undersown with grass)	1.0 litre product per hectare	1.0 litre product per hectare per crop	Before flag leaf sheath extended stage (up to Zadoks 39 inclusive)
Oats, oats (undersown with grass), rye (winter), rye (winter, undersown with grass), triticale, triticale (undersown with grass)	1.0 litre product per hectare	1.0 litre product per hectare per crop	Before second node detectable stage (up to Zadoks 31 inclusive)

Other Specific Restrictions:

For autumn planted crops a maximum total dose of 3.75 g of florasulam must be observed for applications made between crop emergence in the year of planting and February 1st in the year of harvest.

The total amount of florasulam applied to a cereal crop must not exceed 7.5 g.

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.

GENERAL INFORMATION

SPITFIRE is mainly absorbed through the foliage of weeds. The ideal timing for application is when the weeds are small and actively growing.

NOTES

Do not apply to crops containing or undersown with clover or other legume containing mixtures.

Do not spray when crops are under stress from cold, drought, pest damage, nutrient deficiency etc.

Do not roll or harrow 7 days before or after application.

Take extreme care to avoid drift onto crops and non-target plants outside the target area.

WEED RESISTANCE

SPITFIRE contains active ingredients with differing modes of action and therefore the risk of resistance building is reduced. However as florasulam is an ALS-inhibitor there is a risk of resistance building to this active ingredient and so precautions should be taken to minimise the risk. Therefore avoid using single mode of action herbicides, such as ALS herbicides in the same field over a number of years. Growers are advised to apply products containing herbicides with different modes of action or use sequences or tank mixtures where two or more components are active against the target weeds.

CROPS

SPITFIRE can be used on all varieties of winter and spring wheat, barley, oats, rye and triticale, and these crops undersown with grass.

SOIL

SPITFIRE may be used on all soil types.

TIMING

Winter wheat, winter barley

SPITFIRE should be applied from 3 leaves (Zadoks 13) up to boots swollen stage (Zadoks 45).

Spring wheat, spring barley

SPITFIRE should be applied from 3 leaves (Zadoks 13) up to and including before flag leaf sheath extending stage (Zadoks 39).

Winter oats, spring oats, winter rye, triticale

SPITFIRE should be applied from 3 leaves (Zadoks 13) up to and including before second node detectable stage (Zadoks 31).

Undersown cereal crops

SPITFIRE may be applied to winter and spring wheat, barley, oats, rye and triticale crops undersown with grass.

Application should be made when the grasses have at least 3 fully expanded leaves and when weeds are actively growing.

RATES OF USE, WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED

One application of SPITFIRE at 1.0 litre/ha will control all susceptible emerged weeds. A split application may be applied up to a maximum total dose of 1.0 litre/ha where weed germination takes place over an extended period.

For autumn planted crops the maximum total dose of SPITFIRE applied must not exceed 0.75 litre/ha for applications made between crop emergence in the year of planting and February 1st in the year of harvest.

Weed	Size Controlled
Cleavers ¹	Flowering
Chickweed ²	Flowering
Hedge mustard	100 mm
Scented mayweed	Flowering
Scentsless mayweed	Flowering

Weed	Size Controlled
Shepherd's purse	100 mm
Volunteer oilseed rape	Before flower buds visible
Wild radish (Runch)	100 mm

¹Cleavers which germinate after application will not be controlled.

²Will be controlled by an application of 0.75 litre/ha.

APPLICATION

SPITFIRE may be applied through tractor-mounted hydraulic sprayers providing they are in good working order and have been calibrated according to the manufacturers' recommendations and as advised by NROSO (National Register of Sprayer Operators).

Do not apply through CDA applicators.

WATER VOLUME

Apply SPITFIRE in 100 to 300 litres of water per hectare. The lower volume must only be used in open crops on small weeds.

FOLLOWING CROPS

Crops that can be sown in the year of treatment with SPITFIRE:

Cereals, oilseed rape¹, field beans, vegetable brassicas as transplants, grass.

¹Vigour reductions may be seen in following crops of oilseed rape after a dry summer. This will be outgrown and will not result in yield loss.

Crops that can be sown the calendar year following treatment with SPITFIRE:

Cereals, oilseed rape, field beans, carrots, vegetable brassicas as transplants grass, linseed, peas, sugar beet, potatoes, maize, clover (for use in grass/clover mixtures).

JOINT APPLICATION

A joint application is the use of a product in tank mixture or sequence with another product.

IMPORTANT NOTE: Joint applications should only be made within the label recommendations of every product in the application.

Only one other product with an ALS-inhibitor mode of action may be applied to a cereal crop treated with SPITFIRE. However a further application of SPITFIRE or another product containing florasulam may also be made **providing the maximum total dose of florasulam is not exceeded¹**.

SPITFIRE may be applied in joint application to the same cereal crop with one of the following ALS products:

Absolute	Jubilee SX
Alias	Lancer
Alias SX	Lexus Class
Ally Express	Lexus Millenium
Ally Max SX	Lexus SX
Ally SX	Lorate
Answer SX	mesosulfuron-methyl + iodosulfuron-methyl sodium (MAPP 12049, 12478)

Avocet	mesosulfuron-methyl (MAPP 11218)
Avro SX	mesosulfuron-methyl + iodosulfuron-methyl sodium + diflufenican (MAPP 12695, 16149)
Biplay SX	Mozaic SX
Broadway Star ¹	Octavian
Broadway Sunrise	Oklar SX
Bullion	Oriel 50SX
Calibre SX	Parana
Chimera SX	Pennant
Concert SX	Pinnacle
Cleancrop Mondial	Presite SX
Dakota ¹	Quantum
Ductis SX	Quantum SX
Excalibur	Ratio SX
Exceed SX	Refine Max SX
Finish SX	Seduce
Galaxy ¹	Simba SX
GF-184 ¹	Slalom ¹
GF-2070	Spitfire ¹
Gropper SX	Staka SX
Harmony M SX	Starane Gold ¹
Harmony SX	Starane Vantage ¹
Hatra	Starane XL ¹
Hiker ¹	Taxi
Horus	Thor
Hunter ¹	Traton SX
Inka SX	Triad
iodosulfuron-methyl sodium (MAPP 12364, 15174, 16173)	Unite

¹ The maximum total dose of florasulam applied to the crop must not exceed 7.5 g. For autumn planted crops a maximum total dose of 3.75 g of florasulam, must be observed for applications made between crop emergence in the year of planting and February 1st in the year of harvest.

Apart from these specific joint applications SPITFIRE must NOT be applied with any other product containing an ALS-inhibitor, for example amidosulfuron.

CROP FAILURE

In the event of a crop failure in the spring with SPITFIRE, only the following crops may be planted: spring wheat, spring barley, spring oats, maize or ryegrass.

MIXING

Half fill the spray tank with water and add the required amount of SPITFIRE. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing.

SPRAY QUALITY

Apply SPITFIRE as a MEDIUM spray as defined by the BCPC system.

TANK MIXTURES

Where tank mixes are used, and unless directed otherwise, the preferred order of addition of products to the spray tank is as follows: water dispersible granules, wettable powders, suspension concentrates (flowables), emulsifiable concentrates, solution concentrates. Each product should be added to the half-full sprayer and be fully dispersed before the addition of the next product.

TANK CLEANING

To avoid subsequent injury to crops other than cereals, all spraying equipment must be thoroughly cleaned both inside and out, using All Clear Extra spray cleaner as follows:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water and add All Clear Extra at the recommended rate. Agitate and then briefly flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with All Clear Extra containing 50 ml of All Clear Extra per 10 litres of water.
5. Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely.
6. For disposal of washings, follow Code of Practice for Using Plant Protection Products. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.

TRADEMARK ACKNOWLEDGEMENTS

SPITFIRE, Bofix, Hiker, Broadway, Hunter, Galaxy, Starane, Sunrise and Vantage are trademarks of Dow AgroSciences LLC. All other brand names are trademarks of other manufacturers for which proprietary rights may exist.

DOW AGROSCIENCES 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 or 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. 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.

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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin and eyes immediately.

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

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 to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within

5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.

LERAP
B

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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

Storage and disposal:

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.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<http://uk.dowagro.com/wp-content/uploads/SPITFIRE-SDS.pdf>

Alternatively contact your supplier

Dow Dow AgroSciences



HERBICIDE

Product Registration Number: MAPP 15101.

A suspension emulsion formulation containing 100 g ae/litre fluroxypyr and 5 g/litre florasulam.

A post-emergence herbicide for use on all varieties of WINTER AND SPRING WHEAT, BARLEY, OATS, RYE AND TRITICALE and these crops UNDERSOWN WITH GRASS for the control of a range of BROAD-LEAVED WEEDS.

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

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

PROTECT FROM FROST.

SHAKE WELL BEFORE USE.

5 Litres e

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: (01462) 457272 Fax: (01462) 426605

24 Hour Emergency Telephone Number: +44 (0) 1553 761251

® Trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow

This label is compliant with the CPA Voluntary Initiative Guidance.



IMPORTANT INFORMATION.

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops:

Barley (winter and spring), barley (winter and spring, undersown with grass), wheat (winter and spring), wheat (winter and spring, undersown with grass), oats, oats (undersown with grass), rye (winter), rye (winter, undersown with grass), triticale, triticale (undersown with grass)

Maximum Individual Dose:

} Full details are given in the

Maximum Number of Treatments:

} Important Information box on the

Latest Time of Application:

} attached leaflet.

Other Specific Restrictions:

}

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.



Product Identifier according to Art. 18 of Reg. (EC) No 1272/2008 [CLP]: Spitfire®, Hydrocarbons, C9, aromatics

DANGER:

FLAMMABLE LIQUID AND VAPOUR.
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE RESPIRATORY IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Wear protective gloves/clothing/eye/face protection. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Do NOT induce vomiting.

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

