

HERBICIDE

Information Sheet

Spitfire® for control of broad-leaved weeds in winter and spring wheat, barley, oats, rye and triticale and these cereals undersown with grass.

Key facts

Product Registration Number:	MAPP No.19945
Active Ingredient:	5 g/litre florasulam and 100 g/litre fluroxypyr (HRAC Group 4 and 2 Herbicides)
Pack Size:	5.0 litres (treated 5 ha)
Formulation:	Suspension Emulsion (SE)
Maximum Individual Dose:	0.75 l/ha in the autumn, 1.0 l/ha in the spring
Application Timing:	GS13 to GS45 (winter wheat and barley); to GS39 (spring wheat and barley); to GS31 (oats, rye, triticale). Includes those undersown with grass.
Water Volumes:	100-300 l/ha
Spray Quality:	Medium as defined by BCPC
Nozzles:	CFF, VFFF, Air inclusion and Twin Fluid Nozzles
Aquatic Buffer Zone:	LERAP B, 5 m if ditch is wet, 1 m if ditch is dry
Rainfastness:	1 hour

Best use advice

- Suitable for use on all cereals (not durum wheat) and on cereals undersown with grass from GS13.
- Apply when weeds are actively growing.
- Spitfire volunteer bean control:
 - Use 0.75 l/ha + adjuvant – up to 6 true leaves (3 pairs of leaves).
 - *Supported adjuvants: MSO type adjuvant (Toil, Phase II, Rigger) or Abacus, Arma, Bio Syl, Cogent, Kantor, Respond, Roller, Spryte Aqua, Tonto.
- For autumn sown crops, dose rate must not exceed 0.75 l/ha if applied prior to 1st February (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 1st February in the year of harvest).
- Spring florasulam follow up treatments may be applied to autumn treated crops providing the total maximum dose of 7.5 g/ha florasulam is not exceeded.

Key benefits

- Spitfire contains two active ingredients with different modes of action to help manage weed resistance.
- Rapid knockdown of weeds, especially beans.
- Is not temperature dependent.
- Cost-effective control option for autumn germinating weeds.
- Does not add to DFF loading in programmes.
- There are no specific cultivation requirements for following crops.

Following crops/crop failure

Crops that can be sown in the year of treatment with SPITFIRE: Cereals, oilseed rape, field beans, vegetable brassicas as transplants, grass.

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).

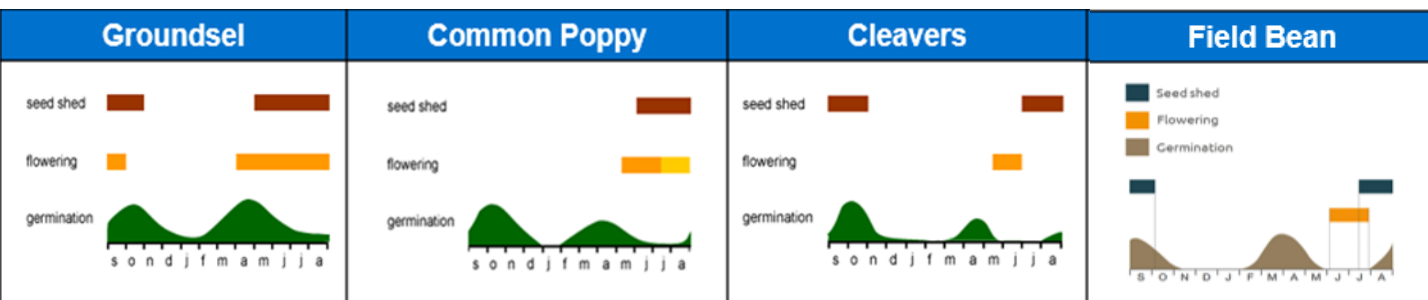
In the event of a crop failure in the spring with SPITFIRE, only the following crops may be planted: spring wheat, spring barley, spring oats, maize or ryegrass.

Tank mixing

- Spitfire can be tank mixed with a grass weed herbicide to deliver broad spectrum weed control.
- Spitfire is physically compatible with Decis Forte, Hallmark Zeon, Mavrik, Sumi-Alpha.
- Refer to <https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/tank-mix/Spitfire-tank-mix.pdf> for further tank-mix information.

Benefit of controlling broad-leaved weeds in the autumn

- A large proportion of the most challenging BLW's germinate in the autumn.
- Best control is achieved when weeds are small, also limiting their impacts on the crop.
- Previously cooler temperatures and frost have knocked back growth overwinter.
 - In last few seasons warm overwinter conditions have rapidly increased autumn germination and weed biomass by spring, further reducing spring efficacy against large overwintered weeds.



Source - AHDB

Weed spectrum – control level assumes actively growing weeds

Weed	0.75 l/ha	Weed	0.75 l/ha
Bindweed, black	S up to 4TL	Nightshade, black	S up to 4TL
Charlock	S up to 6TL	Parsley piert	S up to 5 cm
Chickweed	S up to BF	Poppy*	MS up to 2TL
Corn marigold	S up to 4TL	Redshank	T
Cleavers	S up to 20 cm	Shepherd's needle	S up to 4TL
Clover	S up to 4TL	Shepherd's purse	S up to 6TL
Dead-nettle, henbit	MS up to 2TL	Sun spurge	S up to 4TL
Dead-nettle, red	S up to 2TL	Thistle, sow, annual	S up to 5 cm
Docks, from seed	S up to 2TL	Volunteer beans*	S up to 6TL
Forget-me-not	S up to 5 cm	Volunteer borage	S up to 4TL
Groundsel	S up to 4TL	Volunteer linseed	MS up to 5 cm
Hedge mustard	S up to 8 cm	Volunteer OSR	S up to 10 cm
Hemp-nettle	S up to 4TL	Weed beet	S up to 4TL
Knotgrass	T	Wild radish (runch)	S up to 8TL
Mayweeds	S up to rosette stage		
Key: Label weeds in bold . TL – True leaves, BF – Before flowering *Requires addition of MSO type adjuvant, i.e., Toil, Phase II, Rigger or Abacus, Arma, Bio Syl, Cogent, Kantor, Respond, Roller, Spryte Aqua, Tonto. Any recommendation for off-label or anecdotal control is only indicative and should not be considered a recommendation for use on the part of Corteva Agriscience. The user assumes full responsibility for use on these weeds.			
	Susceptible		Moderately susceptible
	Tolerant/Moderately resistant		