

Technical 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 + 100 g/litre fluroxypyr (HRAC code 4 and 2)
Pack size:	5.0 L
Formulation:	Suspension Emulsion
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, VPF, Air inclusion and Twin Fluid Nozzles
Aquatic Buffer Zone:	LERAP B, 5m if ditch is wet, 1m if ditch is dry

Best Use Advice - Autumn

- Suitable for use on all cereals (not durum wheat) and on cereals undersown with grass from GS 13.
- 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 February 1st 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.

Tank Mixing

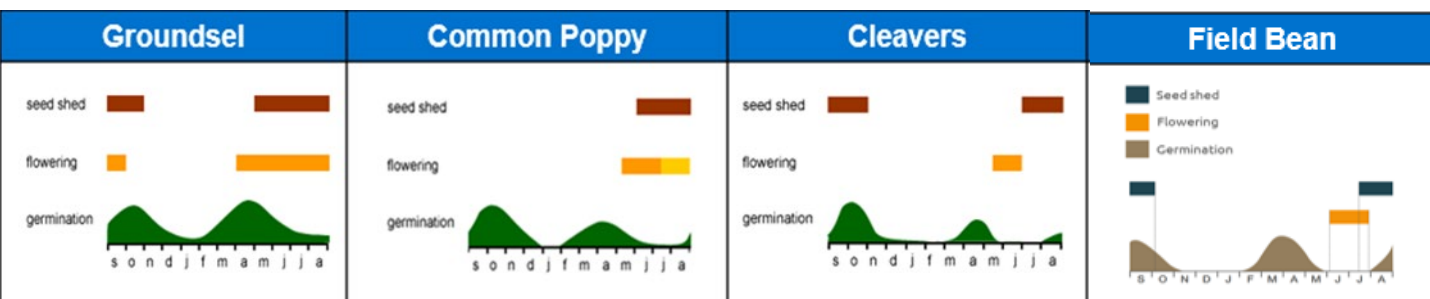
- Spitfire can be tank mixed with a grassweed herbicide to deliver broad spectrum weed control.
- Spitfire is physically compatible with Decis Forte, Hallmark Zeon, Mavrik, Permasect 500 EC, Sumi-Alpha
- Refer to <https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/tank-mix/Spitfire-tank-mix.pdf> for further information

Key Benefits

- Spitfire contains two active ingredients with different modes of action to help manage weed resistance.
- Rapid knockdown of weeds, especially beans and is not dependent on temperature.
- Cost effective control option for autumn germinating weeds.
- Rainfast in 1 hour.
- Does not add to DFF loading in programmes.
- There are no specific cultivation requirements for following crops.

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, this further reducing spring efficacy against large overwintered weeds



Source - AHDB

Weed Spectrum – control level assumes actively growing weeds.

Weed	0.75L/ha
Black bindweed	S < 4 TL
Black nightshade	S < 4 TL
Charlock	S < 6 TL
Chickweed	S < before Flowering
Corn marigold	S < 4 TL
Cleavers	S < 20 cm
Clover	S < 4 TL
Docks (from seed)	S < 2 TL
Forget-me-not	S < 5 cm
Groundsel	S < 4 TL
Hedge mustard	S < 8 cm
Hemp-nettle	S < 4 TL
Henbit dead-nettle	MS < 2 TL
Knotgrass	T
Mayweeds	S < Rosette stage
Parsley Piert	S < 5 cm
Poppy*	MS < 2 TL
Redshank	T
Red dead-nettle	S < 2 TL
Shepherd's needle	S < 4 TL
Shepherd's purse	S < 6 TL
Sow thistle (annual)	S < 5 cm
Sun spurge	S < 4 TL
Vol. beans	S < 6 TL*
Vol. borage	S < 4 TL
Vol. linseed	MS < 5 cm
Vol. OSR	S < 10 cm
Weed beet	S < 4 TL
Wild radish	S < 8 cm

Key: **bold**- label weeds; TL - True leaves, MS - Moderately Susceptible, T-Tolerant

*Requires addition of MSO type adjuvant (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.