

Spitfire[®]**HERBICIDE**

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

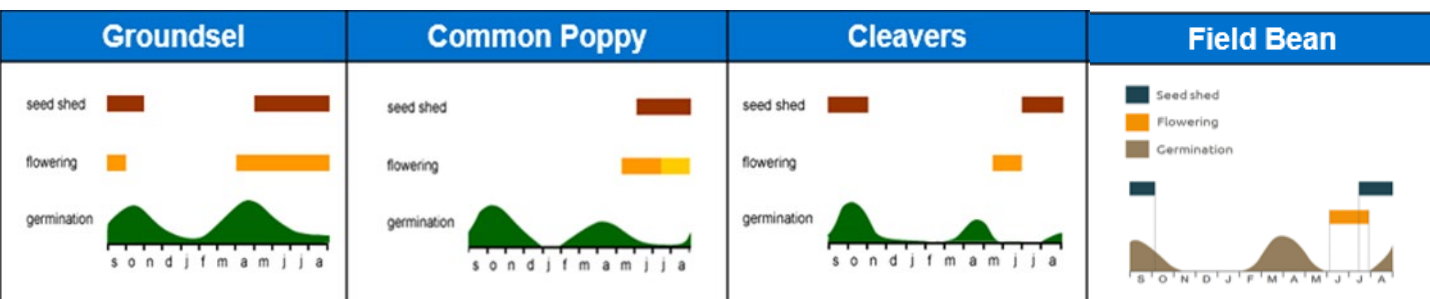
- Spitfire can be tank mixed with a grassweed herbicide to deliver broad spectrum weed control.
- Spitfire is physically compatible with Decis Forte, Hallmark Zeon, Mavrik, Permasect 500 EC, Sumi-Alpha
- Refer to <https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/tank-mix/Spitfire-tank-mix.pdf>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