

## For the Control of Blackgrass, Other Grassweeds and Broad-leaved Weeds in Winter Wheat

### Key Facts

Product Registration Number:	MAPP 15758
Active Ingredient:	69.4 g/Kg pyroxsulam + 37.1 g/Kg flupyr-sulfuron-methyl-sodium
Pack Size:	1.08 Kg (4 hectares)
Formulation:	Water Dispersible Granule
Maximum Individual Dose:	0.27 kg/ha
Maximum Total Dose:	1 per crop
Application Timing:	GS11 to before GS31
Water Volumes:	100-200 Litres water /ha. Optimum 130-150 Litres water/ha
Spray Quality:	MEDIUM as defined by BCPC
Nozzles:	CFF, VPF, Defy in autumn / early spring. Late spring (wild-oats and ryegrass) CFF, VPF Twin Fluid and Air-Inclusion Nozzles
LERAP:	B

### Best Use Advice - Spring

- Use as part of a programme and follow WRAG guidelines
- Wide window of application up to before GS31
- Apply during active growth of grassweeds
- Blackgrass up to GS24
  - Following a minimum of 240g ai/ha flufenacet applied as a pre-emergence
- Apply 270 g/ha UNITE + Adjuvant. Following range of adjuvants are supported:
  - Abacus, Activator 90, Bio-syl, Buzz, Cogent, Drill, Headland Diamond, Headland Fortune, Intracrop Felix, Intracrop Warrior, Kantor, Kinetic, Roller, Spartan, Spryte Aqua, Tonto, Torpedo II, Viking
- Rainfast in 2 hours

**TANK MIXING** - Refer to <http://uk.dowagro.com/tank-mix-information/> for further information

- Excellent tank mix compatibility including:
  - Fungicides including products containing chlorothalonil (excluding those containing tebuconazole)
  - Can be used with chlormequat PGRs at half dose rate. Other PGRs or higher doses require a 7 day interval
  - Trace elements
  - Herbicides including other broad-leaved ALS-inhibitor herbicides in mixture or sequence

### KEY BENEFITS

- No cultivation restrictions prior to sowing following crops
  - Note that following a sequence of UNITE and metsulfuron-methyl or florasulam, treated ground should be ploughed to a depth of 15 cm before establishing winter OSR
- Excellent following crop profile: cereals, oilseed rape, field beans, red and white clover or grass may be sown in year of harvest
  - No following crop restrictions for crops sown following spring

### Weed Spectrum

#### GRASSWEEDS:

Annual meadow grass	S <GS21; MS GS23	Brome, <i>Bromus</i> spp. (meadow, rye, soft)	GS24	Loose silky bent	GS30	Ryegrass (from seed)	GS29	Wild oats	<GS32 <GS29 optimal
Barnyard grass	MS	Canary grass	MS GS24	Millet spp.	MS-S <GS21	Smooth stalked meadow grass	MS GS24	Yorkshire Fog	MS GS24
<b>Blackgrass</b>	<b>GS24</b>	Cockspar grass	MS	Rat's tail fescue	MS	Timothy	MS GS24		
<b>Brome, <i>Anisantha</i> spp. (sterile, great)*</b>	<b>GS24</b>	Common couch	MS GS13	Rough stalked meadow grass	MS GS24	Vol. tame oats	GS24**		

#### BROAD-LEAVED WEEDS:

<b>Charlock</b>	<b>6 etl</b>	<b>Forget-me-not</b>	<b>6 etl</b>	<b>Mayweeds</b>	<b>8 etl</b>	<b>Shepherd's purse</b>	<b>6 etl</b>	Volunteer linseed	6 etl
<b>Chickweed</b>	<b>100 mm</b>	Fumitory	4 etl	Mugwort	MS	Sowthistle (annual)	MS	<b>Volunteer OSR</b>	<b>6 etl</b>
Chervil (Bur)	8 etl	<b>Geranium spp.</b>	<b>8 etl</b>	<b>Poppy</b>	<b>6 etl</b>	<b>Speedwell, common field</b>	<b>6 etl</b>	Volunteer peas	6 etl
<b>Cleavers</b>	<b>MS 75 mm</b>	<b>Groundsel</b>	<b>6 etl</b>	<b>Red dead-nettle</b>	<b>6 etl</b>	<b>Speedwell, ivy-leaved</b>	<b>6 etl</b>	Weed beet	4 etl
Fat hen	MS 4 etl	Hemp-nettle	4 etl	Small nettle	4 etl	Volunteer beans	6 etl	Wild radish	6 etl
<b>Field pansy</b>	<b>4 etl</b>	Knotgrass	2 etl	Shepherd's needle	Up to BSE	Volunteer borage	4 etl		

Key: **bold** – label weeds; listed as susceptible post-emergence unless otherwise stated MS - Moderately Susceptible; etl - established true leaves; BSE – before stem extension

Non-Label weeds listed as an indication of the effect that would be expected to be achieved based on limited data.

\*\*Varietal differences in control, particularly in spring applications. \*Optimal control of sterile and great brome may not be achieved in the spring

