

Memphis® is a post-emergence herbicide for the control of ryegrass, bromes, wild oats and broad-leaved weeds in winter wheat, rye, spelt and triticale.

Key facts

Product Registration Number:	MAPP No. 20659
Active Ingredient:	69.5 g/kg halauxifen-methyl (Arylex) (present as 66.7 g/kg halauxifen-methyl acid), 250 g/kg pyroxulam and 354 g/kg cloquintocet acid (safener). (HRAC Group 4 & 2 Herbicides)
Pack Size:	375 g (5 ha pack)
Formulation:	Water Dispersible Granule (WDG)
Crops:	Winter cereals (wheat, rye, spelt and triticale)
Maximum Individual Dose:	75 g/ha
Maximum No. of Applications:	1 per crop
Application Timing:	GS12-32 inclusive (from 15 th September to 15 th May)
Water Volumes:	150-400 l/ha
Buffer Zone:	6 m non-reducible buffer zone with 3* drift reduction technology
Spray Quality:	Medium as defined by BCPC
Nozzles:	Horizontal boom sprayers must be fitted with three-star drift reduction technology
Rainfastness:	1 hour

Key benefits

- Memphis provides a robust solution for control of the key grass and broad-leaved weeds in either the autumn or spring.
- Memphis delivers excellent control of brome species, ryegrass and wild oats as well as a wide range of broad-leaved weeds.
- Excellent following crop profile and there are no specific cultivation requirements.
- Can be used in joint application with a wide range of ALS-inhibitor broad-leaved weed herbicide products (<https://www.corteva.com/uk/tools-and-advice/tank-mix.html>).

Best use advice

- Apply Memphis at 75 g/ha with an adjuvant (95% w/w oil – rapeseed fatty acid):
 - Actirob B, Phase II, Intracrop Rigger, Super Rapeeze, Spraymate & Toil.
- Meadow and rye brome control is best achieved in the autumn - Apply Memphis in a programme following an effective pre-emergence herbicide, in tank mix with a residual partner when brome is between GS11-24 (optimal GS11-13).
- Ryegrass control is best achieved GS11-29.
- Wild oats are moderately susceptible, with control best achieved from GS11 up to GS29.
 - Good activity on tame oats optimum GS11-24 – Best control achieved pre-tillering in the autumn when weeds are actively growing.
 - Varietal differences in sensitivity/optimal timing. Consult Corteva Agriscience for latest varietal information.
- To avoid subsequent injury to crops other than winter wheat, rye, spelt and triticale, spray equipment used for Memphis applications should be thoroughly cleaned with All Clear Extra/proprietary tank cleaner.

Following crops

- After an application of Memphis at 75 g/ha up to GS32, the following crops can be sown:
Autumn: Winter cereals, winter OSR, ryegrass, beans, clover, peas, lucerne, onions, carrot, vetch, phacelia.
Spring: Spring cereals, spring OSR, sunflower, sugar beet, potatoes, grass, clover, beans, peas, maize, carrot, soybean, spinach, sorghum, onions.

Crop failure

- In the event of crop failure following an application of Memphis, the following crops: spring wheat and spring barley, maize and sunflower can be drilled after a minimum interval of 4 weeks.

Tank mixing

- Memphis is physically compatible with a wide range of products:
- Refer to <https://www.corteva.com/uk/tools-and-advice/tank-mix.html> for further information on compatibilities and ALS joint applications.

Weed spectrum

Always use Memphis in mix with an approved adjuvant.

Weed	75 g/ha + adjuvant	Weed	75 g/ha + adjuvant
Bindweed, black	MS up to 4TL	Knotgrass	S up to 2TL
Brome (meadow & rye)	S up to GS24	Loose silky bent	S up to GS29
Bur chervil	S up to 8TL	Mayweeds	S up to 8TL
Charlock	S up to 6TL	Nipplewort	S up to 10 cm
Chickweed	S up to 100 mm	Nettle (small)	S up to 4TL
Cleavers	S up to 150 mm	Pale persicaria	S up to 2TL
Clover	S up to 6TL	Parsley piert	MS
Common field speedwell	S up to 6TL	Poppy (ALS susceptible)	S up to 8TL (10 cm)
Corn marigold	MS up to 2TL	Redshank	S up to 2TL
Corn spurrey	S up to 2TL	Red dead-nettle	S up to full flowering (18 cm)
Creeping thistle (from seed)	MS up to 4TL	Ryegrass	S up to GS29
Docks (from seed)	-	Scarlet pimpernel	MS up to 4TL
Fat hen	S up to 4-6TL	Shepherd's needle	S up to 4TL
Field pansy	S up to 4TL	Shepherd's purse	S up to 6TL
Field pennycress	S up to 2TL	Sow thistle (annual)	MS up to 4TL
Flixweed	S up to 6TL	Volunteer beans	S up to BFBV
Fool's parsley	S up to 4TL	Volunteer borage	S up to 4TL
Fumitory	S up to B4F (22 cm)	Volunteer linseed	S up to 6TL
Forget-me-not	S up to 6TL	Volunteer oilseed rape	S up to 6TL
Garlic mustard	S up to 4TL	Volunteer peas	S up to BFBV
Geranium spp. (cranesbill)	S up to 8TL	Volunteer sugar beet	S up to 4TL
Groundsel	S up to 6TL	Wild oats	MS up to GS29
Hedge mustard	S up to 4TL	Wild mustard	S up to 6TL
Hempnettle	S up to 4TL	Wild radish	S up to 6TL
Ivy-leaved speedwell	S up to 6TL	Willowherb	S up to 6TL

Key: Label weeds in **bold**. TL – true leaves, B4F – before flowering, BFBV – before flower buds visible. 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
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