

Technical Information Sheet

Palio® controls wild oats, ryegrass, bromes and broad-leaved weeds in winter wheat, winter rye, winter triticale.

Key facts

Product Registration Number:	MAPP No. 18349
Active Ingredient:	14.2 g/kg florasulam and 70.8 g/kg pyroxsulam (HRAC Group 2 Herbicides)
Pack Size:	1.06 kg (treats 4 ha)
Formulation:	Water Dispersible Granule (WDG)
Maximum Individual Dose:	265 g/ha
Maximum No. of Applications:	1 per crop
Application Timing:	GS11-32 inclusive
Water Volumes:	100-200 l/ha. Optimum 130-150 l/ha
Spray Quality:	Fine to medium as defined by BCPC
Nozzles:	Spring applications supported: CFF, VPFF, Twin Fluid and Air Inclusion
Buffer Zone:	No aquatic buffer zone restrictions
Rainfastness:	1 hour

Best use advice – spring application

- Can be applied at 210 g/ha for control of wild oats up to GS24.
- Suitable for early spring control of wild oats (GS11-31 (optimal up to GS29)) where:
 - Control was missed in the autumn
 - A pre-emergence product was not applied or was ineffective
 - Grass weeds have germinated in the spring
- Suitable for control of spring germinating bromes (GS11-24). Optimally following an effective pre-emergence.
- Ryegrass (from seed), sterile and great brome control is best achieved in the autumn. Apply Palio in a programme following an effective pre-emergence herbicide, in tank mix with a residual partner when the ryegrass is between GS11-29 or the brome is between GS11-24 (optimal GS11-13) and actively growing.
- Apply Palio at 265 g/ha with an approved adjuvant: Abacus, Activator 90, Biopower, Bio Syl, Buzz, Cogent, Diamond, Drill, Felix, Fieldor Max, Fortune, Kantor, Kinetic, Respond, Roller, Spartan, Spryte Aqua, Tonto, Torpedo II and Viking.
- Apply during periods of active growth, avoiding periods of frost and large diurnal temperature fluctuations.
- For optimal grass weed control use as part of a programme and follow WRAG guidelines.
- New joint application approvals. Refer to label for further information.
- No cultivation restrictions prior to sowing following crops:
 - Autumn: winter wheat, barley, oats, triticale and rye, oilseed rape, grass, winter beans, brassica plants as transplants
 - Spring: spring wheat, barley, oats, triticale, rye and oilseed rape, sugar beet, potatoes, grass, clover (as part of a grass/clover ley), beans, peas, maize, linseed, brassica plants as transplants, carrots, parsnips
- To avoid subsequent injury to crops other than wheat, rye and triticale, spray equipment used for Palio applications should be thoroughly cleaned with All Clear Extra.

Tank Mixing

- If conditions are suitable for applications of Palio, adding a residual is generally beneficial in the programmes until the end of February, providing soils still hold enough moisture. Palio needs the target weed to be actively growing with the soil temperature measured at 10cm deep ideally higher than 6°C for 2-3 days either side of the application and 7-day mean air temperature >8°C.
- Once soils dry up in the spring, Palio must not be mixed with a residual, and a minimum of 4 weeks must be left between the applications. The purpose of the 4 weeks gap is to allow weeds to fully recover again after the residual shock and be actively growing at the time of the pyroxsulam application.
- Palio + adjuvant is physically compatible with a wide range of crop protection products including herbicides, fungicides and micro-nutrients.
- Can be used with chlormequat PGRs at half dose rate. Other PGRs or higher doses require a 7-day interval.
- Refer to <https://www.corteva.co.uk/tools-and-advice/tank-mix.html> for further information.

Weed Spectrum

- Always use Palio in combination with an approved adjuvant.
- The market standard for ryegrass control (GS11-29) and brome control (GS11-24) at 265 g/ha.
- Outstanding wild oat control (GS11-24) at 210 g/ha.

Weeds	200 g/ha + adjuvant	265 g/ha + adjuvant	Weeds	200 g/ha + adjuvant	265 g/ha + adjuvant
Bindweed, black	MS up to 4TL	S up to 4TL	Nettle, small	MS up to 4TL	S up to 4TL
Brome spp	-	S up to GS24	Pale persicaria	MS up to 4TL	S up to 6TL
Bur chervil	S up to 6TL	S up to 8TL	Pansy, field	S up to 4TL	S up to 4TL
Charlock	S up to 6TL	S up to 6TL	Parsley piert	-	MS
Chickweed, common	S up to 100 mm	S up to 100 mm	Poppy (ALS susceptible)	S up to 6TL	S up to 6TL
Chickweed, mouse-ear	MS up to 4TL	MS up to 100 mm	Redshank	MS up to 4TL	S up to 6TL
Cleavers	S up to 150 mm	S up to 150 mm	Ryegrass, from seed	-	S up to GS29
Clover	MS up to 4TL	S up to 6TL	Scarlet pimpernel	-	MS
Corn marigold	-	S up to 4TL	Shepherd's needle	S up to 6TL	S up to 8TL
Corn spurrey	-	MS	Shepherd's purse	S up to 4TL	S up to 6TL
Couch, common	-	Suppression	Speedwell, common field	S up to 6TL	S up to BFBV
Docks, from seed	-	MS	Speedwell, ivy-leaved	S up to 6TL	S up to BFBV
Field pennycress	-	S up to 2TL	Tame oat	-	S up to GS24
Flixweed	-	S up to 6TL	Thistle, creeping, from seed	-	MS up to 6TL
Fool's parsley	MS up to 4TL	S up to 4TL	Thistle, sow, from seed	-	MS up to 6TL
Forget-me-not	S up to 6TL	S up to BFSE	Vetch, common	-	S up to 6TL
Garlic mustard	-	S up to 4TL	Volunteer beans	S up to 8TL	S up to BFBV
Geranium spp.	S up to 8TL	S up to 8TL	Volunteer borage	S up to 2TL	S up to 4TL
Groundsel	S up to 6TL	S up to BFBV	Volunteer linseed	MS up to 4TL	S up to 6TL
Hedge mustard	MS up to 4TL	S up to 4TL	Volunteer oilseed rape	S up to 6TL	S up to 8TL
Hemp nettle	MS up to 2TL	S up to 4TL	Volunteer peas	S up to 8TL	S up to BFBV
Knotgrass	-	S up to 2TL; MS 6TL	Weed beet	S up to 4TL	S up to 4TL
Loose silky bent	S up to GS24	S up to GS30	Wild mustard	S up to 4TL	S up to 6TL
Mayweeds	S up to 8TL	S up to 100 mm	Wild oat	S up to GS29	S up to GS31
Mugwort	-	MS up to 150 mm	Wild radish (Runch)	S up to 4TL	S up to 6TL

Key:

Label weeds in **bold**. TL – True leaves, BFBV – Before flower buds visible, BFSE – Before stem extension.

Non-label weed information is based on anecdotal or limited data and is only indicative and should not be considered as a recommendation for use on the part of Corteva Agriscience. The user assumes full responsibility for use on those weeds.

	Susceptible		Moderately susceptible
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