Palio®
HERBICIDE

Technical Information Sheet

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

Key facts

Product Registration Number:	MAPP 18349
Active Ingredient:	14.2 g/kg florasulam + 70.8 g/kg pyroxsulam
Pack size:	1.06 Kg (4 hectares)
Formulation:	Water Dispersible Granule
Maximum Individual Dose:	**265 g/ha**
Maximum Number of Applications:	1 per crop
Application Timing:	GS11-32 inclusive
Water Volumes:	100-200 Litres water/ha. Optimum 130-150 Litres water/ha
Buffer Zone:	No Aquatic Buffer Zone Restrictions
Spray Quality:	FINE to Medium as defined by BCPC
Nozzles:	CFF, VPFF, Defy Nozzles

Key Benefits
- Excellent control of wild oats, ryegrass and brome species as well as a wide range of broad-leaved weeds
- Rainfast in 1 hour
- There are no specific cultivation requirements for following crops and excellent following crop profile
    - No need to plough before winter oilseed rape (except metsulfuron–methyl sequence – see label)
- Physically compatible with a wide range of herbicides, insecticides and trace elements making it an excellent tank mix partner

Best Use Advice – Autumn
- Apply Palio at 265 g/ha with a Corteva Agriscience supported adjuvant:
    - Abacus, Activator 90, Biopower, Bio Syl, Buzz, Drill, Felix, Headland Fortune, Kantor, Roller, Spryte Aqua, Intracrop Tonto, Torpedo II
- 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 brome is between GS 11-24 (optimal GS 11-13) – see reverse
- Ryegrass control is best achieved GS 11-29
- Wild oat control is best achieved GS 11-29
    - Also good activity on tame oats optimum GS 11-24 – Best control achieved pre-tillering in the autumn
    - Varietal differences in sensitivity/ optimal timing Consult Corteva Agriscience for latest varietal information
- 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
- Crops that can be sown after a crop treated with Palio:
    - Autumn: Winter wheat and barley, winter oats, winter triticale, winter rye, oilseed rape, grass, winter beans, brassica plants as transplants
    - Spring: Spring wheat, spring barley, spring oats, triticale, rye, spring oilseed rape, sugar beet, potatoes, grass, clover (as part of a grass/clover ley), beans, peas, maize, linseed, brassica plants as transplants, carrots, parsnips

Tank Mixing
- Palio + adjuvant is physically compatible with the following:
    - Decis Protech, Hallmark Zeon, Karate 2.5 WG, Markate 50, Mavrik, Permasect 500EC
    - Headland Boron, Headland Brock, Headland Mn 500, Headland Super 80
    - Firebird, Hurricane, Liberator, Picona, Stomp Aqua
- Refer to https://www.corteva.co.uk/tools-and-advice/tank-mix.html for further information on compatibilities and ALS joint applications

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Weed Spectrum

- Always use Palio in combination with an approved adjuvant

	265g/ha		265g/ha		265g/ha
Bur chervil	8 tl	Geranium *spp.*	8 tl	Volunteer beans	BFBV
Charlock	6 tl	Groundsel	BFBV	Volunteer linseed	6 tl
Chickweed	100 mm	Ivy- leaved speedwell	6 tl	Volunteer oilseed rape	6 tl
Cleavers	150 mm	Mayweeds	8 tl	Volunteer peas	4 – 6 tl
Common field speedwell	6 tl	Mugwort	MS-150 mm	Wild radish	6 tl
Field pansy	4 tl	Poppy	6 tl		
Forget-me-not	BFSE	Shepherd's purse	6 tl		

Key: **bold** – label weeds; BFBV – Before flower buds visible; BFSE – Before stem extension; tl – true leaves; MS – Moderately susceptible

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.
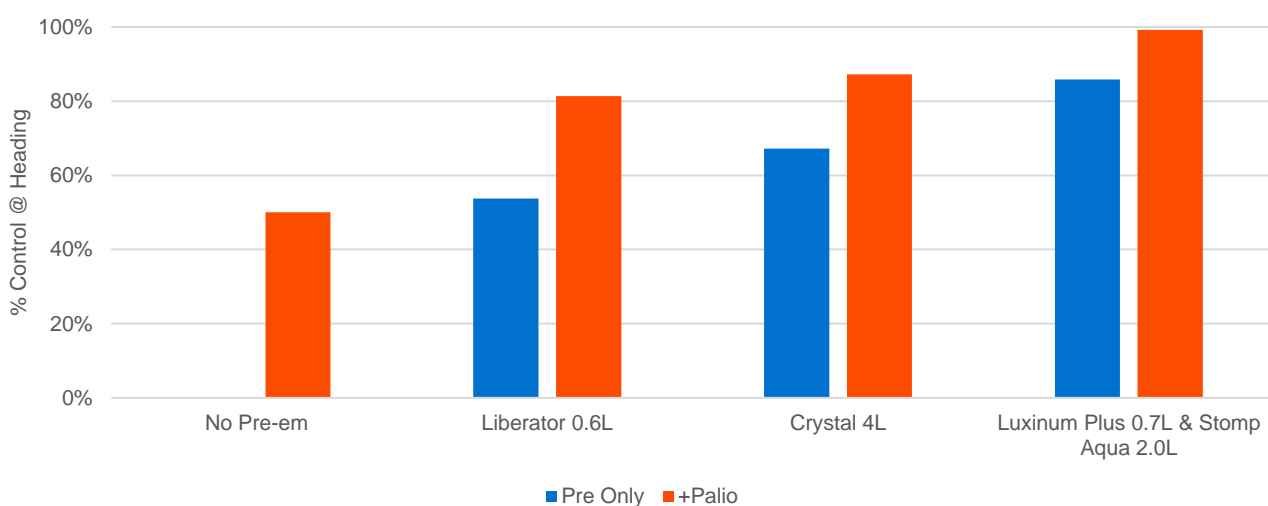
Which pre-emergence programme for which weed?

Pre-emergence
- Ryegrass
  - 1st choice: Luxinum Plus 0.7 L/ha + Stomp Aqua 2.0 L/ha
  - 2nd choice Crystal 4.0 L/ha OR Liberator 0.6 L/ha
- Sterile Brome
  - 1st choice Flufenacet + PDM (Crystal 4.0 L/ha where available)
  - 2nd choice Liberator +PDM
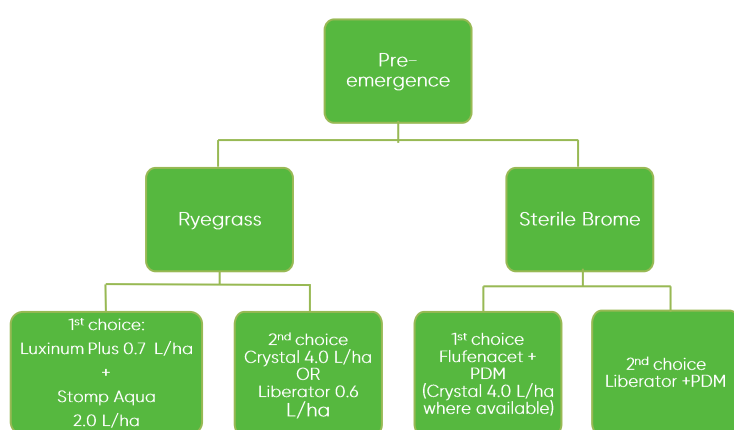
Which residual partner for which weed?

Residual Partner
- Ryegrass
  - Defy OR Stomp Aqua (depending on pre-em choice)
- Sterile Brome
  - Stomp Aqua 1.75 L/ha OR if no PDM pre-em used Stomp Aqua 2.9 L/ha
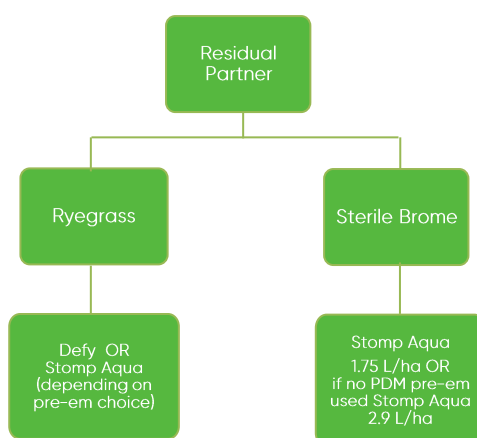
Using Palio® with Luximo® for Ryegrass control

Mean of 4 Corteva trials on LOLMU, pre-emergence application followed by Palio in spring.

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