

Luximax®

Herbicide

USER
GUIDE

How to recharge your pre-em rotation



Stay one step
ahead of annual
ryegrass

 **BASF**

We create chemistry

Luximax[®]

Herbicide

Keeping one step ahead of annual ryegrass



Luximax[®] has introduced the first Group 30 herbicide mode of action to wheat[^] growers across Australia. That's a big step forward in the effort to contain growing herbicide resistance.

Luximax controls all known annual ryegrass biotypes resistant to existing modes of action.

Luximax also helps make high-level control of annual ryegrass in wheat more sustainable by reducing reliance on Group 3, Group 13 and Group 15 herbicides.

Trials show that Luximax matches the annual ryegrass control given by leading chemistries in this crucial pre-emergent segment.

Adding Luximax to pre-em rotations is critical to maintain the highest standards of annual ryegrass control because:

- ✓ There is known resistance to every other wheat pre-em grass herbicide MoA
- ✓ Luximax has a unique Group 30 MoA with no known cross-resistance
- ✓ Luximax provides similar levels of ryegrass control to Sakura^{*}

Rotating to Luximax gives wheat paddocks a proper break from the build-up of resistance pressure.

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[®] Registered Trademark of BASF. [^] Not durum.

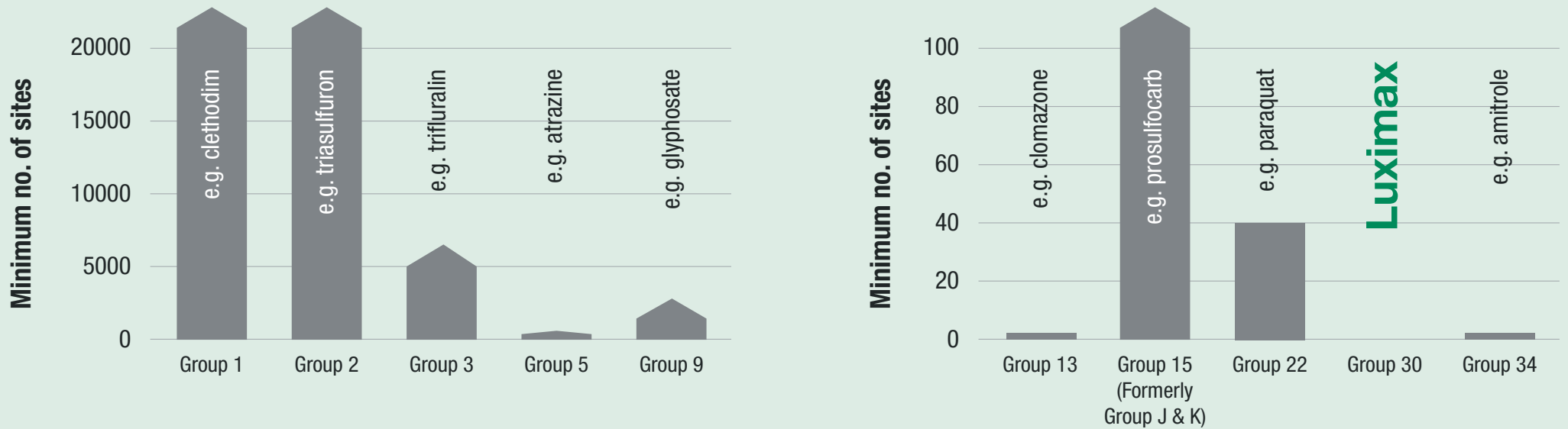
Spreading the load

For years the pre-emergent control of annual ryegrass has been dominated by 7 herbicides from just 2 MoA groups: 3 and 15.

Testing has already found over 5000 sites with ARG resistance to Group 3 and 100 with resistance to Group 15.

Use any herbicide often enough and it will stop working. So the key is not to depend on any one herbicide but to spread the load.

Number of sites containing annual ryegrass with confirmed resistance to each MoA



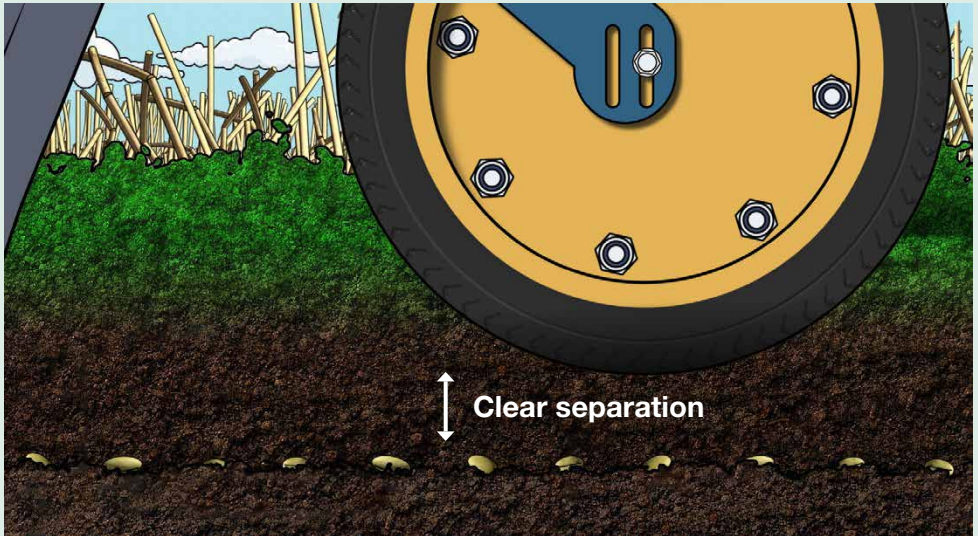
Source: croplife.org.au/resources/programs/resistance-management/herbicide-resistant-weeds-list-draft-3. Accessed 16/9/2022.

How to get the best value out of Luximax

Luximax is a very effective product with an excellent safety profile when the label directions are followed.

Following these directions when applying Luximax will help minimise the risk of crop effects by avoiding the concentration of too much herbicide in the crop row or its movement down to the level of the wheat seeds:

- Ensure treated soil from one sowing furrow is not thrown into an adjacent furrow when sowing
- Don't use a covering device like chains to follow up the press wheels at sowing
- Avoid sowing when heavy rainfall is forecast, especially when sowing will cause deep furrows or if the soil is prone to leaching
- Avoid shallow planting, particularly in lighter soils
- Avoid sowing into water-repellent, crusted or waterlogged soil



Clear separation

As with other pre-em herbicides like Sakura*, Boxer Gold* and Overwatch*, maintaining separation between the treated soil and the crop seeds is essential.



Sowing depth is critical

The wheat seeds should be sown at least 30 mm below the bottom of the furrow using knife-points and press wheels.

For a quick check of the application essentials, watch all three very short application videos by scanning this code.



* Registered Trademark.

Managing soil mobility

Luximax is relatively immobile in soils if applied according to the label.

- 30 mm is the minimum seeding depth. Deeper is OK and may promote better establishment.
- It binds strongly to soil once it has time to settle in place.

Ideally, IBS should be followed by 10–20 mm of steady rain within 72 hours. If much heavier rain is forecast within 48 hours, or the soil is already waterlogged, delay sowing. How much rain is too much will depend on the texture of the soil, the sowing depth and how soon after sowing it falls.

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✓ **Good penetration**

- Steady sowing speed
- Steady rain



✗ **Washed too far**

- Too much heavy rain too soon
- Soil possibly too light and/or too dry for immediate binding

Luximax meets the highest standards for both control and crop safety when label recommendations are followed.

Recharge your pre-emergent rotation

The point of adding Luximax to the rotation is to keep as many products effectively controlling annual ryegrass as possible.

So we recommend following a simple 30/30 rule: **just apply Luximax's Group 30 chemistry to at least 30% of the wheat[^] crop (sown at least 30 mm deep) every year.**

Scan here to watch a short video about the Luximax 30/30 Plan and how it can keep you one step ahead of ryegrass resistance developing on your farm.



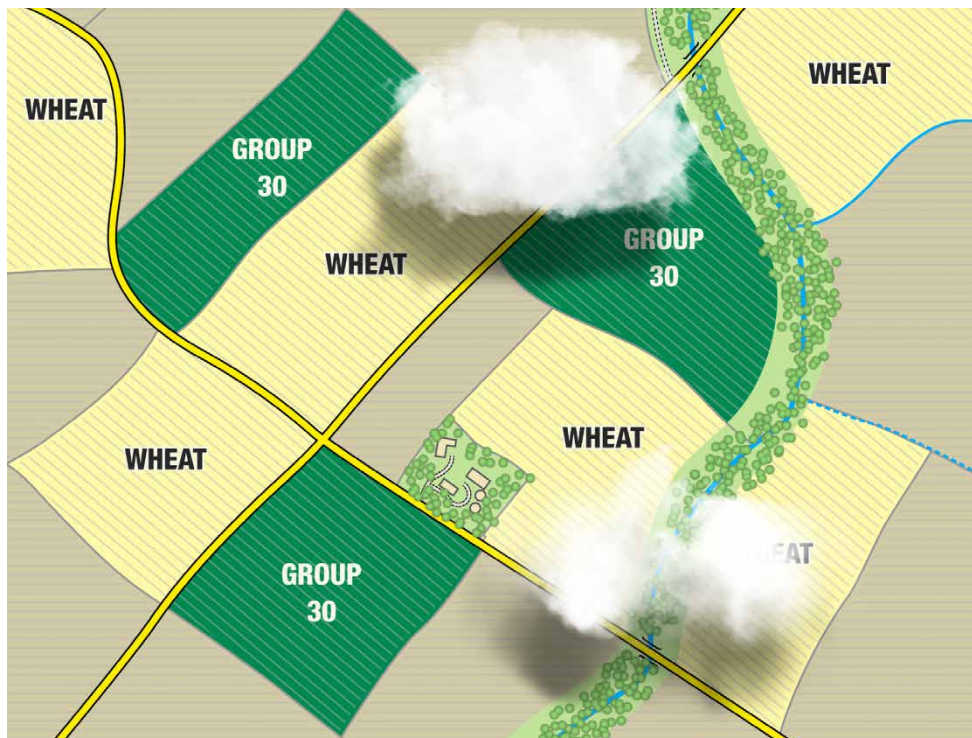
Over the course of a few seasons, the weed seedbank in each paddock will be exposed to an entirely new mode of action.



Stay one step ahead of annual ryegrass

[^] Not durum.

Group 30 on 30% of wheat sown ≥ 30 mm deep every year



Potential herbicide rotation plan

Paddock	Wheat year 1	Wheat year 2	Wheat year 3	Wheat year 4	Wheat year 5	Wheat year 6
1	Luximax	Trifluralin	Overwatch	Sakura	Trifluralin	Boxer Gold
2	Trifluralin	Luximax	Sakura	Overwatch	Boxer Gold	Trifluralin
3	Luximax	Trifluralin	Luximax	Sakura	Trifluralin	Overwatch
4	Trifluralin	Luximax	Boxer Gold	Luximax	Overwatch	Sakura
5	Luximax	Sakura	Luximax	Trifluralin	Boxer Gold	Trifluralin
6	Sakura	Luximax	Trifluralin	Luximax	Trifluralin	Luximax
7	Boxer Gold	Trifluralin	Luximax	Trifluralin	Luximax	Trifluralin
8	Overwatch	Trifluralin	Boxer Gold	Luximax	Sakura	Luximax
9	Trifluralin	Overwatch	Trifluralin	Boxer Gold	Luximax	Trifluralin
10	Trifluralin	Boxer Gold	Trifluralin	Sakura	Trifluralin	Luximax

Group 3
 Group 13
 Group 15
 Group 30

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Getting it right really pays off



Summit Ag's Ben Romeo, with a client from Barry in NSW Central West – where resistant annual ryegrass is rife – has had two very different experiences with Luximax so far.

Year 1: pretty unimpressed

Luximax was used in a demonstration trial crop that was:

- ✗ Dry sown with a disc seeder
- ✗ Sown less than 30 mm deep
- ✗ Hit with heavy rainfall less than 3 days later

There were some crop effects and a poor outcome. Ben was left sceptical about Luximax's value but contacted BASF because he realised he must not have got the best out of the product.



Year 2: very impressed

In 2022 Ben tried Luximax again on a Kittyhawk crop that was:

- ✓ Sown with knife-points and press wheels
- ✓ Sown at least 30 mm below the bottom of the furrow
- ✗ Hit with 70 mm of rain within the next 2 days

There were no crop effects despite the higher-than-ideal rainfall and Luximax provided excellent ARG control for more than 12 weeks. Ben's now recommending that his customers add Luximax to their rotations.



View Ben's story here. For more specific application and usage advice visit crop-solutions.basf.com.au or call **1800 558 399**



ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USE

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* Registered trademark. 213619.0323

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