

MAGNET[®]

INSECT ATTRACTANT TECHNOLOGY

ALTERNATIVE PUPAE DESTRUCTION

Attract and Kill option for Bollgard[®]3 Resistance Management Plan (RMP)

2023 – 24 SEASON

- ✓ **Alternative to mechanical cultivation for pupae destruction compliance**
- ✓ **Assists in fulfillment of RMP compliance in later season cotton**
- ✓ **Allows for direct drilling of rotation crops immediately after harvest**
- ✓ **No cultivation or soil disturbance: aerial application only**
- ✓ **Targets adult moths before they lay eggs**
- ✓ **RMP still requires slashing or mulching of crop**



Pricing – \$49/ha +GST for the full program, including insecticide (Jemvelva[®] technology - spinetoram). Does not include application cost.



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Further information agbitech.com.au

Application

- Applied by air only.
- 3 x applications of Magnet required in total.
- Applications must be made approximately 7 days apart between 10th February and 1st March.
- Targeting adult moths as they emerge from pupation, killing up to 90% of the population before eggs are laid.

Costs

- Aerial application cost is **not included** in the price of product.
- Growers are charged on a cost per hectare basis, regardless of field size.
- Cost is set on a Broadacre (brown) hectare basis, not green hectares, as required by the APVMA.
- Cost includes the insecticide Jemvelva technology (spinetoram). Spinetoram has a highly favorable environmental and user toxicological profile.
- Magnet is applied undiluted, as ultra-coarse droplets at a rate of 500ml of Magnet mixture per 100m of row (0.690L/ha) in narrow strips every 72m over the crop (1.3% of the total field area).
- Magnet must be applied by an accredited aerial applicator. Accreditation is an easy process that can be done by contacting AgBiTech directly.
- Growers must ensure that their aerial applicators are aware of the location of the Bollgard 3 Refuge areas to avoid application.

What is Magnet?

Magnet is a semiochemical that attracts many lepidopteran moths, including *Helicoverpa spp* and Fall Armyworm. Magnet is a thick, blue feeding stimulant liquid composed of a blend of plant volatiles and has a strong floral / liquorice smell. Magnet is mixed with the insecticide just before application and targets adult stage *Helicoverpa* moths as they emerge from pupation, intercepting and killing up to 90% of the population in applied area before they lay eggs.

Can my own aerial applicator apply it?

As part of the opt-in process, you nominate your aerial applicator, who will be trained and authorised by AgBiTech and provided with the details of the simple application equipment.

Is Magnet dangerous to Bees and other insects?

Studies have shown Magnet can be repellent to bees. Apart from moth species, only one other insect has shown any (minor) attraction to Magnet. Insects that directly come into contact with Magnet (containing the toxicant) may be killed or drowned. The application of the product means only 1.3% of the field is treated.

Can I apply it by ground rig?

Magnet RMP can only be applied by air by AgBiTech accredited aerial applicators due to audit and compliance reasons.

Rates

- Apply 500ml of Magnet mixture per 100m of row (0.690L/ha) on a 72m swath by air (only).
- 3 applications of Magnet must be undiluted, including the Jemvelva technology (8ml/L Magnet of 5.5ml/ha), no earlier than the 10th of February 2024 and no later than 1st of March 2024.
- AgBiTech will supply all the nominated applicators with sufficient Jemvelva technology (spinetoram insecticide). The cost of the insecticide is fully included into the price per hectare.

How do I opt in?

- Growers must advise their TSP of fields they wish to opt-in. The TSP must have these entered Bayer's MTrack system by COB on 10th January 2024.
- After 10th January 2024, subject to availability confirmation, growers will be emailed a DocuSign agreement which must be signed and returned within 7 days of receiving. **Please note that supply and inclusion in the program is not guaranteed until signed agreement is returned.**

- The DocuSign agreement will authorise AgBiTech to share this information pertaining to nominated paddocks with the aerial operator, nominated agronomist as well as with Bayer.
- Once submitted, AgBiTech will notify the aerial operator of the nominated areas for treatment and will advise the TSP and nominated agronomist.
- **The nominated agronomist or grower must provide aerial applicator with a recommendation to use the insecticide in the applications.**
- Growers are responsible for ensuring their information is submitted within the opt-in periods and directing their aerial operator on the final application timings.
- After application, the aerial operator will advise AgBiTech of the successful completion. The TSP will invoice the grower for the hectares treated.
- To better accommodate growers, 'Opt Out' option will be available for Magnet RMP users for the 2023-2024 season.

What happens if wet weather delays some of the applications?

Applications must occur no earlier than the 10th of February and no later than the 1st of March. Should there be significant delays or missed applications, Bayer will review and advise of any remedial action required. These actions may include reverting to mechanical soil disturbance.

How much Magnet is available for use?

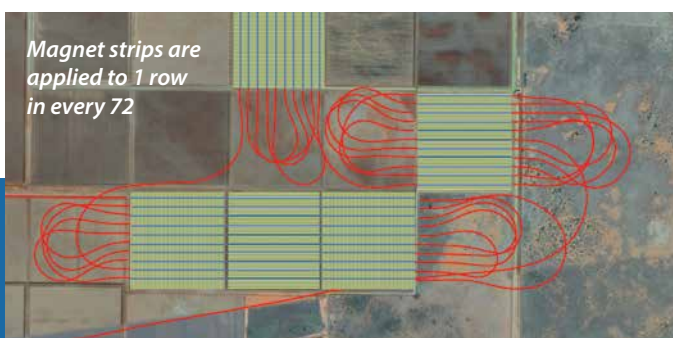
Availability of the product will be confirmed by AgBiTech in writing after the 10th of January 2024, with priority given to returning customers and southern NSW Valleys.

Rainfastness

- Heavy rainfall will wash Magnet off.
- If more than 10 mm rain is forecast over a 24-hour period, the application should be rescheduled.
- Heavy dews may re-animate Magnet.



Simple aircraft application equipment



Magnet strips are applied to 1 row in every 72

Always fully read the label (available on www.agbitech.com.au)

Magnet® is a registered trademark of ABA Biologicals Pty Ltd. Bollgard® is a registered trademark of the Bayer Group. Jemvelva® is a registered trade mark of Corteva Agriscience.