Pyganic® CROP PROTECTION EC 1.4$_{II}$ / 5.0$_{II}$

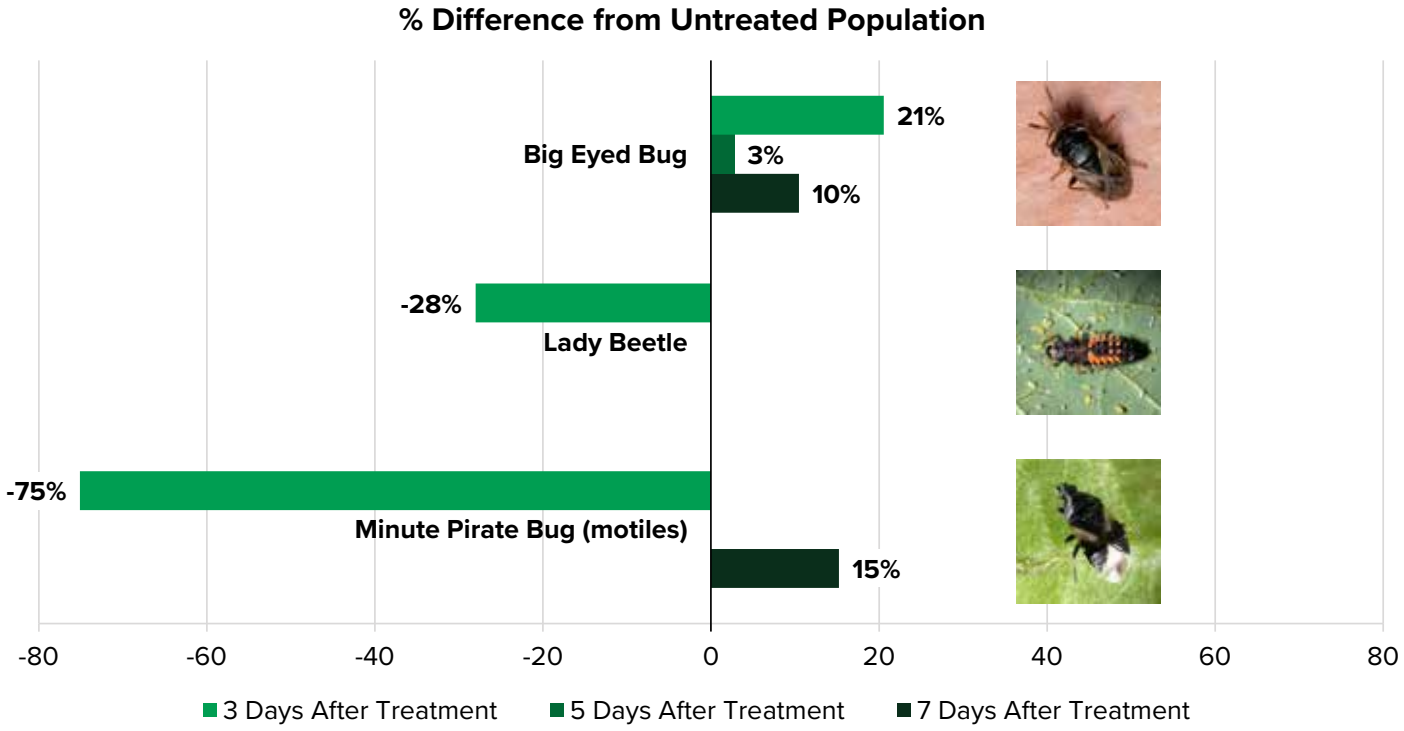
Best Practices When it Comes to Beneficial Insects and Pyganic®

Pyganic® Crop Protection EC 1.4$_{II}$ / 5.0$_{II}$[†] is a botanically-derived, organic, contact insecticide used for a quick knockdown of hard-to-kill insect pests across a wide variety of growing crops. With very short residual activity, *Pyganic* has a 0-day PHI and is optimal for a pre-harvest clean-up. And *Pyganic* is NOP compliant and OMRI Listed under MGK for organic production.

Because *Pyganic* is broad spectrum, it's important to consider the treatment timing to ensure maintenance of beneficial insect populations.

- **Avoid applications around bloom time**
- **If releasing beneficial insects, wait at least three days after a *Pyganic* application**

Time *Pyganic* Treatments Around Releasing Beneficial Insects



Multiple trials showed none of the beneficial insect populations were eliminated after *Pyganic* treatments. Big eyed bug populations were consistently equal to, or higher than, the untreated check. Lady beetle populations were reduced by 28% three days after treatment. Minute pirate bugs were reduced by 75% within the first three days, but their population increased versus the untreated check by seven days after treatment.

Crops: cotton, peaches, lettuce and tomatoes. Source: Valent U.S.A.

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Best Use Practices

- Acidify spray tank water to a pH of 5.5–7.0
- Good coverage is required for target pest knockdown—insects must be present during application
- Apply when insects are in early stages of infestation
- Application is best during early morning or late evening to reduce risk of UV degradation and to avoid pollinator activity
- Apply as a foliar application alone or in a tank mix
- *Pyganic* can be mixed with a variety of adjuvants but a small sample should be tested for phytotoxicity
- Before tank mixing, physical compatibility of the products should be tested as a small sample
- Do not use cold water for initial mixing as it may form a gel. If a gel forms, continue mixing until product goes into solution.
- *Pyganic* is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply product or allow it to drift to blooming crops or weeds while bees are foraging in the treatment area.
- *Pyganic* has very short residual activity so retreat or rotate active ingredients to continue protecting the crop
- For improved resistance management, consider rotating *Pyganic* with Debug® brands, a combination of neem oil and azadirachtin. For more information on *Debug* brands, visit valent.com/debug.

Pyganic® Crop Protection EC 1.4$_{II}$ and Pyganic® Crop Protection EC 5.0$_{II}$ are OMRI Listed under MGK for organic production.

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Always read and follow label instructions.

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