

TWO CHEMISTRIES. COMPREHENSIVE COVERAGE.

Effective pest control requires an approach that adapts to changing pressure. When rotated, **Vykenda® insecticide/miticide** and **Mainspring® GNL insecticide** provide a total solution to defend against the toughest insects while protecting against resistance.

PRODUCT SNAPSHOT



- IRAC Group 30 (PLINAZOLIN® technology) with a novel mode of action that works by contact and ingestion
- Controls a broad range of mite species and their eggs at low use rates, while offering residual control even against resistant populations
- Effective on thrips, leafminer larvae and adults
- Sprayable formulation offers fast knockdown and residual control
- Can provide early curative control before populations reach damaging levels
- Crop safety rigorously tested in more than 200 trials to ensure no phytotoxicity

PEST COVERAGE:

- | | | |
|----------------------------|--|---------------------------|
| • Mites (all life stages) | • Flea beetles (including red-headed flea beetles) | • Mealybugs (suppression) |
| • Thrips | • Japanese beetles | • Caterpillars |
| • Black vine weevil adults | • Leafminers (all life stages) | • Psyllids |



- IRAC Group 28 with systemic and translaminar movement
- Proven control of key sucking pests, such as aphids and whiteflies, as well as borers, lacebugs, plantbugs and soft scales
- Provides excellent preventive protection when applied as a spray or extended protection (eight+ weeks) when applied as a thorough drench to the potting media
- Short, four-hour restricted-entry interval is less disruptive to work schedules
- Compatible for use with many biological control agents
- Registered by the U.S. Environmental Protection Agency under its Reduced Risk Program*

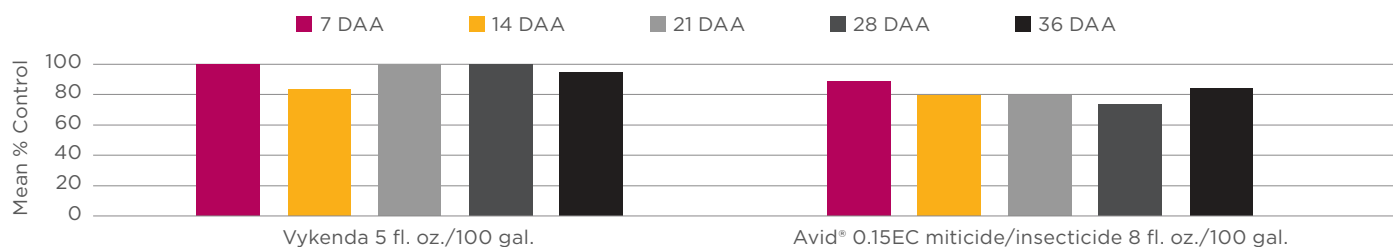
PEST COVERAGE:

- | | | |
|----------------------------------|--|---------------------------|
| • Thrips | • Caterpillars | • Lacebugs |
| • Whiteflies | • Leaf-feeding beetles (including flea beetles and Japanese beetles) | • Leafhoppers |
| • Aphids | • Soft scales | • Mealybugs (suppression) |
| • Leafminers (adults and larvae) | | • Weevils |
| | | • White grubs |

Rotating VyKenda and Mainspring GNL can help control these and other key pests in greenhouse and nursery crops.

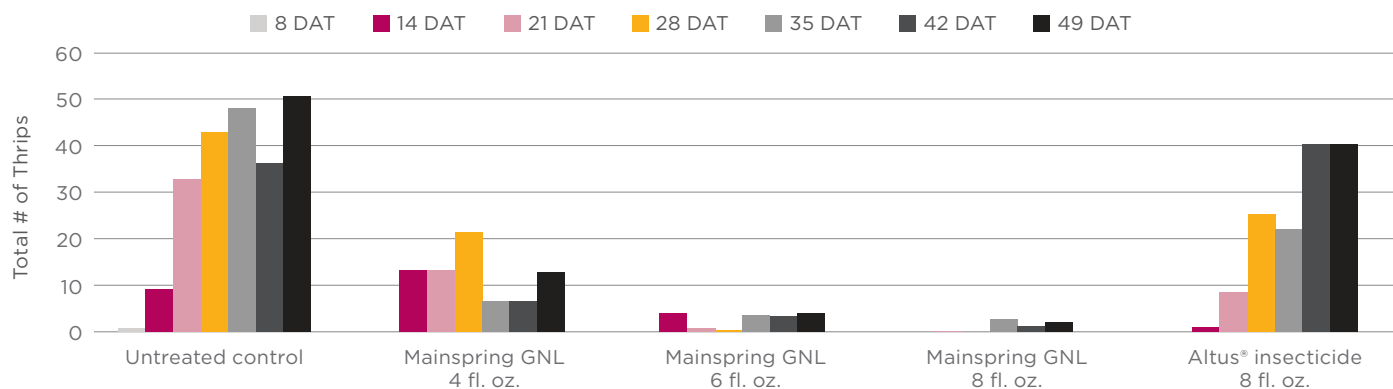
*A reduced risk pesticide use is defined as one which may reasonably be expected to accomplish one or more of the following; (1) reduces pesticide risks to human health; (2) reduces pesticide risks to non-target organisms; (3) reduces the potential for contamination of valued, environmental resources, or (4) broadens adoption of IPM or makes it more effective. Mainspring GNL qualifies under one or more of the above criteria.

Vykenda Control of Broad Mites (*Polyphagotarsonemus latus*)



Source: Catherine Long, Syngenta Vero Beach Research Center, 2020. Applications made at 0 and 14 days. DAA = days after application.

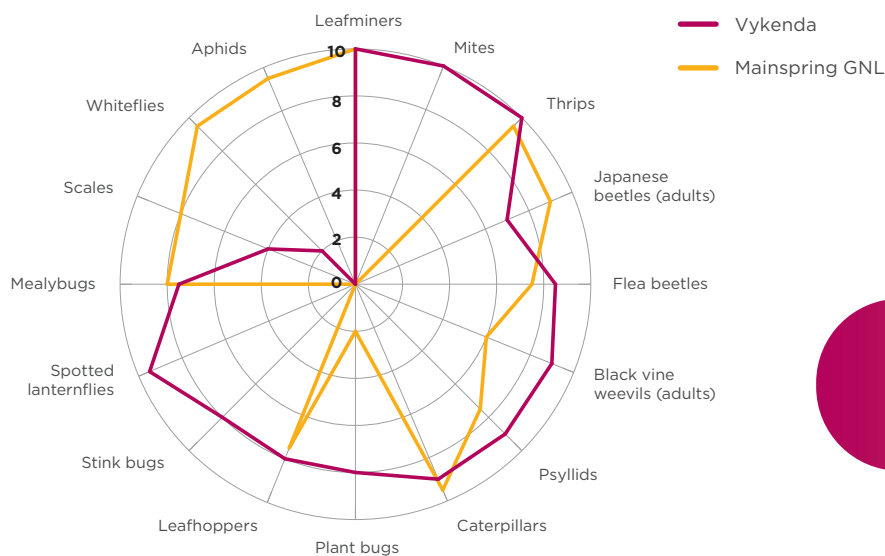
Mainspring GNL Control of Western Flower Thrips (*Frankliniella occidentalis*) on Calibrachoa



Source: Ferguson, ATO Consulting, 2018. Product treatment rates are per 100 gal. of water. One drench application of 100 mL was made per 5-inch pot. Counts made on two terminals. DAT = days after treatment.

EXPAND YOUR SPECTRUM OF CONTROL

When used in rotation, Vykenda and Mainspring GNL can control nearly all common greenhouse and nursery pests.



For more information, visit
GreenCastOnline.com/Vykenda and
GreenCastOnline.com/MainspringGNL

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Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations. Trials reflect treatment rates commonly recommended in the marketplace.

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GS 12975_2_1

LGC 9827A 06-2026