PECAN

PQZ™ is a new insecticide for control of aphids in pecans, including Black pecan aphid, Blackmarginaphid, and Yellow pecan aphid. Pyrifluquinazon, the active ingredient in PQZ, provides immediate and long-lasting protection against aphids. PQZ is an excellent rotational option to manage insecticide resistance in spray programs for pecans.

**Key Benefits**
- New 9B insecticide effective on controlling aphids resistant to neonicotinoids and pyrethroids
- Active on nymph and adult stages of aphids
- Causes rapid feeding cessation
- Contact and translaminar efficacy
- Prolonged residual efficacy
- IPM compatible – selectivity to beneficial insects and favorable environmental impact

**Uptake Routes**
PQZ effectively controls insects by direct contact with spray droplets, contact with residues on the surface of the treated plant, and/or by ingestion as the insect feeds on the treated foliage or fruit.

**Translaminar Movement**
PQZ exhibits translaminar movement within the treated leaves but does not move systemically within the plant.
- Translaminar activity provides control of insects that feed on the underside of the leaf.

**Use Recommendations**
- Use Rate – 3.2 fl oz per acre
- Use a minimum of 100 gallons of water per acre by ground application.

**Use Information**
- Proper application coverage is critical for maximizing aphid control.
- Apply with an adjuvant/spreader to optimize uniformity of coverage and performance and to enhance the translaminar properties of PQZ.
- Group 9B Insecticide – Rotate with different modes of action.
- Reentry Interval – 12 hours
- Preharvest Interval – 7 days

See reverse for additional information >
Efficacy of PQZ on Pecans

Post Treatment Cumulative Mean Blackmargined Aphids/5 Leaves

- Untreated
- Assail 8 oz
- Tolfenpyrad (Apta/Bexar) 21 fl oz
- Beleaf 2.8 oz
- Sulfosxflor (Closer/Sequoia) 2.17 fl oz
- PQZ 3.2 fl oz

Spray volume: 100 GPA
Adjuvant: Dyne-Amic 0.25% v/v

J. Dutcher, UGA, Tifton, GA

Post Treatment Cumulative Mean Black Pecan Aphids/5 Leaves

- Untreated
- Tolfenpyrad (Apta/Bexar) 21 fl oz
- Beleaf 2.8 oz
- Sulfosxflor (Closer/Sequoia) 2.17 fl oz
- Assail 8 oz
- PQZ 3.2 fl oz

Spray volume: 100 GPA
Adjuvant: Dyne-Amic 0.25% v/v

J. Dutcher, UGA, Tifton, GA

Post Treatment Cumulative Mean Yellow Pecan Aphids/5 Leaves

- Untreated
- Assail 8 oz
- Beleaf 2.8 oz
- Tolfenpyrad (Apta/Bexar) 21 fl oz
- Sulfosxflor (Closer/Sequoia) 2.17 fl oz
- PQZ 3.2 fl oz

Spray volume: 100 GPA
Adjuvant: Dyne-Amic 0.25% v/v

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