Control of Asian citrus psyllid, citrus leafminer and citrus rust mite

Trial 2008-10
M.E. Rogers
UF / IFAS / Citrus Research & Education Center, Lake Alfred
Trial Location

• ConservII – MidFlorida Citrus Research Foundation Grove
• Variety – ‘earlygold’
• Treatment dates: June 24-25, 2008
• Trial still under evaluation (8/8/08)
• Plot size: 15 trees (3 x 5)
• A foliar fertilizer was tank-mixed with all treatments
• (DiamondR Ultra M2F; Sulfur 3.2%; Iron 1.6%; Mn 2.0%; Zn 2.4%)

Treatments

1. Dimethoate 4E + LI 700  1 pint/A ; 0.25% v/v
2. Dimethoate 4E + LI 700  2 pints / A ; 0.25% v/v
3. Agri-mek 0.15EC + FC 435 oil  20 oz / A ; 2% v/v
4. Agri-mek 0.15EC + FC 435 oil  10 oz / A ; 2% v/v
5. Sevin XLR + LI 700  2 quarts/A ; 0.25% v/v
6. Provado 1.6F + LI 700  10 oz / A ; 0.25% v/v
7. Movento 240SC + LI 700  10 oz / A ; 0.25% v/v
8. Movento 240SC + FC 435 oil  10 oz / A ; 3% v/v
9. Envidor 240SC  15 oz / A
10. Imidan 70W + LI 700  1.5 lbs / A ; 0.25% v/v
11. Mustang 1.5EW  4.3 oz / A
12. Danitol 2.4EC  16 oz / A
13. Micromite 80WGS + FC435 oil  6.25 oz / A ; 2% v/v
14. Portal 0.4EC + FC 435 oil  4 pints / A ; 2% v/v
15. Delegate 25WG + FC 435 oil  4 oz / A ; 2% v/v
16. Lorsban 4E  5 pints / A ; 2% v/v
17. Untreated  ---
**Important Disclaimer**

The data presented are the results of one trial consisting of small plots (15 trees per plot) replicated 5 times per treatment. IFAS recommendations are made based on multiple years of data demonstrating efficacy of a product for a given pest. On occasion, demonstrated efficacy of a product (or lack thereof) does not hold true when efficacy is evaluated at a later date under different growing conditions. Thus, these data are presented here as the results of one trial and don’t imply recommendations of any product or trade name. For a complete listing of products recommended by IFAS for management of citrus pests, please refer to the 2008 Florida Citrus Pest Management Guide.
Asian citrus psyllid nymphs
7 days after treatment

Asian citrus psyllid nymphs
14 days after treatment
Citrus Leafminer Damage

35 days after treatment

M.E. Rogers, Trial 2008-10

Mean (±SE) percentage of leaves damaged per flush

43 days after treatment

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Mean (±SE) percentage of leaves damaged per flush
...Rust mite data to be continued...