

# Integrated Pest Management Update 2014

## XXpire™ WG: A **NEW** ORNAMENTAL INSECTICIDE WITH TWO NEW AIs



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# Summary

## Long-lasting

- > Residual activity up to 4 weeks on certain pests

## Fast-acting

- > Most pests are controlled or stop feeding within minutes or hours
- > 12-hour REI

## Soft on beneficials

- > Dries quickly to reduce risk

## 2 new active ingredients

- > Isoclast™ Active (new class: Group 4C)
- > Spinetoram (Group 5)



## 2 different modes of action

- > Reduces resistance risk

## Broad-spectrum: controls 39 insects

- > Controls 7 of the top 10 nursery/greenhouse pests
- > Suppresses spider mites

## Gentle on plants

- > No phytotoxicity on 300+ tested plant species



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# Broad-spectrum control of 39 insects

## Beet armyworm on aster (Infested Day 1)



After 7 days, untreated



7 days after treatment with XXpire™ WG

# Broad-spectrum control of 39 insects

**Spider mites on marigold** (2 applications of XXpire™ WG 3.5 oz./100 gallons with adjuvant 14 days apart)



After 21 days, untreated



7 days after 2 treatments with XXpire™ WG

# Broad-spectrum control of 39 insects

## Lacebug on azalea



8 days prior to treatment



12 days after treatment with XXpire™ WG  
at 2 oz./100 gallons

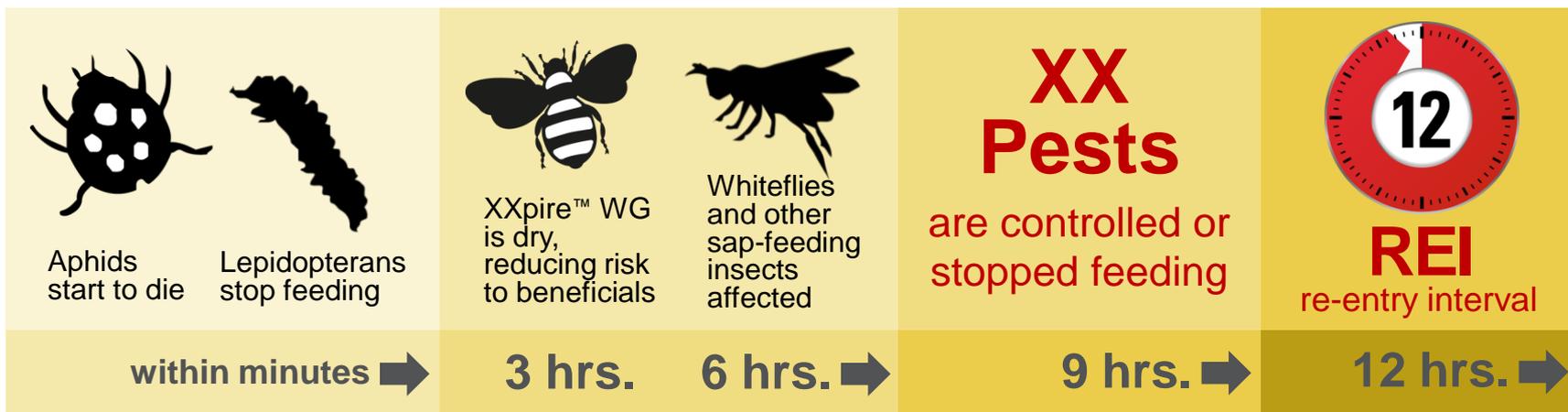


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# Fast-acting

Within 9 hours, most insects are controlled or stop feeding



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