

SP3014

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Overview of Activity & Key Information

- Stomach poison and anti-feedent
 - Increases acetyl cholinesterase activity
 - Increases phenol oxidase activity
 - Decreases carbohydrate hydrolysis
- Spectrum
 - Aphids
 - Thrips
 - Spider mites
 - Whitefly
 - Lepidoptera
- High beneficial compatibility
- Formulation: SL (soluble liquid)
- Rate: 12-24 fl oz/100 gal
 - No phytotoxicity observed up to 40 fl oz/100 gal
- Application: Foliar spray, Dip
- Residual activity: 7-14 days
- REI: 0-hr
- PHI: 0-day
- Shelf life: 2 years
- OMRI



IR4 Assistance Needs

Continue testing phytotoxicity on major crops

- Mums, Begonia, Dracaena, Fuschia, Zonal Geranium, Hydrangea, Impatiens, NG Impatiens, Marigold, Pansy, Poinsettia, Petunia, Rose, Succulents, Verbena, Violet

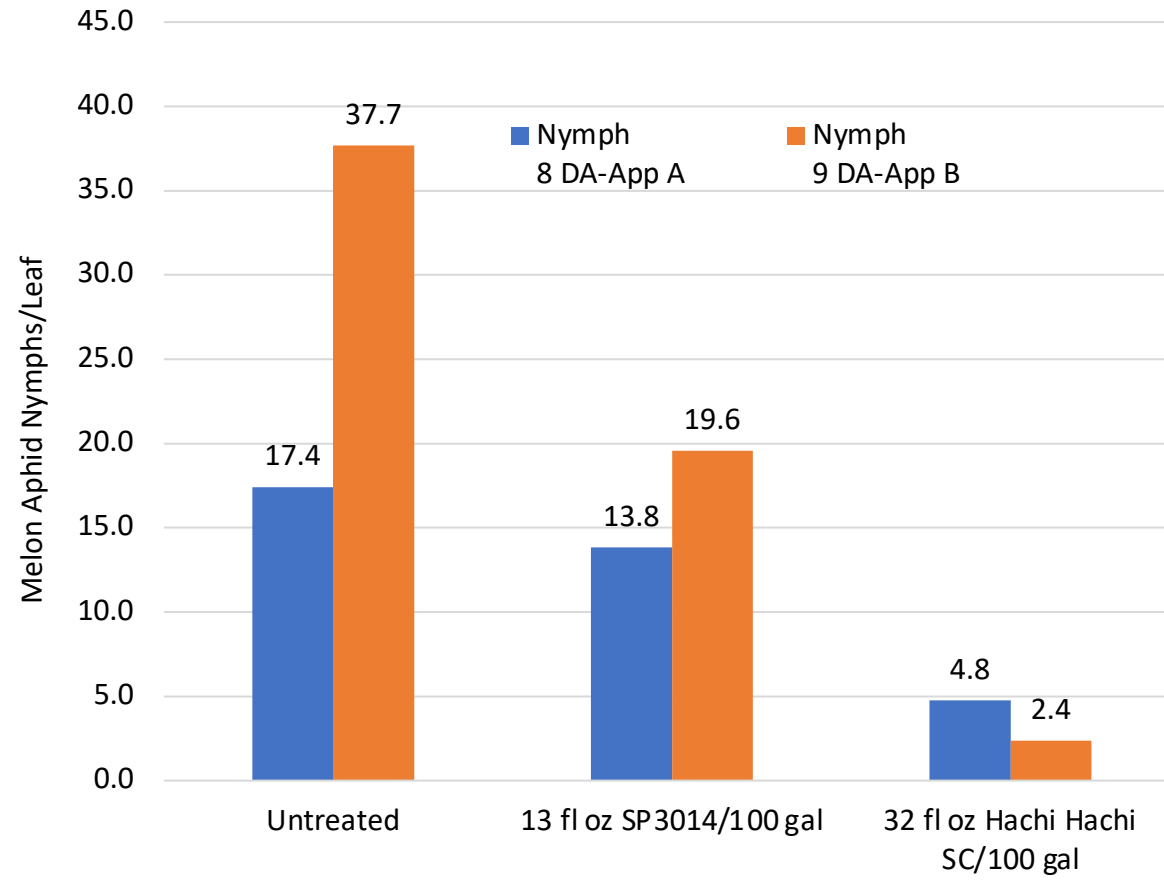
Continue to generate additional data on insects & mites

- Whiteflies
- Thrips
- Mealybugs
- Spider mites
- Box Tree Moth
- Hibiscus Bud Weevil



Control of Melon Aphid

Curative - Apps 14 Nov. and 22 Nov. 2017



SP3014 IR-4 Summary

- No phytotoxicity up to 40 fl oz/100 gal applied 3 times on a 7-day interval
 - Mum, Begonia, Dracaena, Fuschia, Zonal Geranium, Hydrangea, Impatiens, NG Impatiens, Marigold, Pansy, Petunia, Rose, Verbena, Violet
- 2017 Red Headed Flea Beetle-Field Container-Sadof-Purdue
 - 13 and 26 fl oz/100 gal – Poor control applied on 10-17 day interval
- 2018 Western Flower Thrips-Greenhouse-Hotchkiss-Mich St
 - 13 and 26 fl oz/100 gal – Poor control applied on 7 day interval
- 2019 Western Flower Thrips-Greenhouse-Hotchkiss-Mich St
 - 13 and 26 fl oz/100 gal - 26 fl oz/100 gal better control than the standard Pylon on immatures and adults
- 2019 Western Flower Thrips-Greenhouse-Nackley-OR St.
 - 26 fl oz/100 gal – Low pressure – Excellent control of adults for 21 DAT
- 2020 Western Flower Thrips-Greenhouse-Gilrein-Cornell
 - 13 fl oz/100 gal – Good control of immatures and adults on a 7-day interval
- 2020 Western Flower Thrips-Greenhouse-Nanson- UC Davis
 - 13 fl oz/100 gal – Good to Excellent control of immatures on a 7-day interval. Moderate control of adults.
- 2020 Citrus Mealybug-Greenhouse-Chong-Clemson
 - 13 fl oz/100 gal –Excellent control of immatures for 21 DAT. Poor control of adults.
- 2020 Crape Myrtle Bark Scale-Field Container-Held-Auburn
 - 13 fl oz/100 gal – No control
- 2020 Japanese Beetle Adults-Shadehouse-Addesso-TN St. and Potter-UK
 - 26 fl oz/100gal – Poor control

