



Organic Pest Control Products Developed, Formulated,
Tested, and Used by Experienced Pest Control
Professionals



OUR PRODUCTS



Mantis Botanical
Insecticide/Miticide EC®



Mantis Read To Use
Insect-Killer®



Mantis Diatomaceous
Earth®



Mantis Cold-Pressed
Neem Oil®



Mantis EC Botanical Insecticide/Miticide®

A broad spectrum natural insecticide/miticide for use on indoor and outdoor fruits, vegetables, ornamentals, flowers, trees, shrubs, plants, home & garden, aquaponic, aeroponic, and hydroponic systems.

- EPA Exempt Reduced Risk Registration
- OMRI listed
- Active Ingredients:
 - Rosemary Oil.....5%
 - Peppermint Oil.....5%
 - Soybean Oil (Non-GMO)....80%
- Exempt From Residue Tolerances
- Safe on beneficial organisms
- Good plant safety (low risk of phytotoxicity)
- REI: 0 hours
- PHI: 0 days
- 2 year shelf life
- 1 Quart (32 fl oz)

KILLS SOFT-BODIED INSECTS & SPIDER MITES FAST!



Spider Mites
(multiple
species)



Aphids



Whiteflies
(nymphs)



Mealybugs



Thrips



**Other Soft
Bodied Insects**

SAVE MONEY ON YOUR PEST CONTROL



A true commercial concentrate with very low dilution rates. One single bottle makes between **16 - 32** gallons of spray solution that will last for months.

YOUR PLANTS WILL LOVE MANTIS!



Natural botanical oils puts
a nice sheen on your
plants leaving them
greener and more **vibrant.**

SPRAY AND HARVEST YOUR PLANTS ON THE SAME DAY



100% certified for organic
use and OMRI listed and
residue exempt.

NO HARSH SMELL OR RESIDUES

NATURAL
BOTANICAL
OILS



Formulated with all-natural, food-grade, non-toxic ingredients, that smell **GREAT**, making it safe to use around people, pets, and your plants.

POLLINATOR SAFE & ENVIRONMENTALLY FRIENDLY



Mantis EC's non-toxic mode of action kills the bad insects while not disrupting the life cycles of **IMPORTANT** pollinators, like bees, and other beneficial organisms.

OPTIMIZED FORMULATION



A true concentrate that mixes well in water providing excellent coverage and plant safety.

Extremely stable formulation with more than a 2 year shelf-life!

MADE IN THE USA

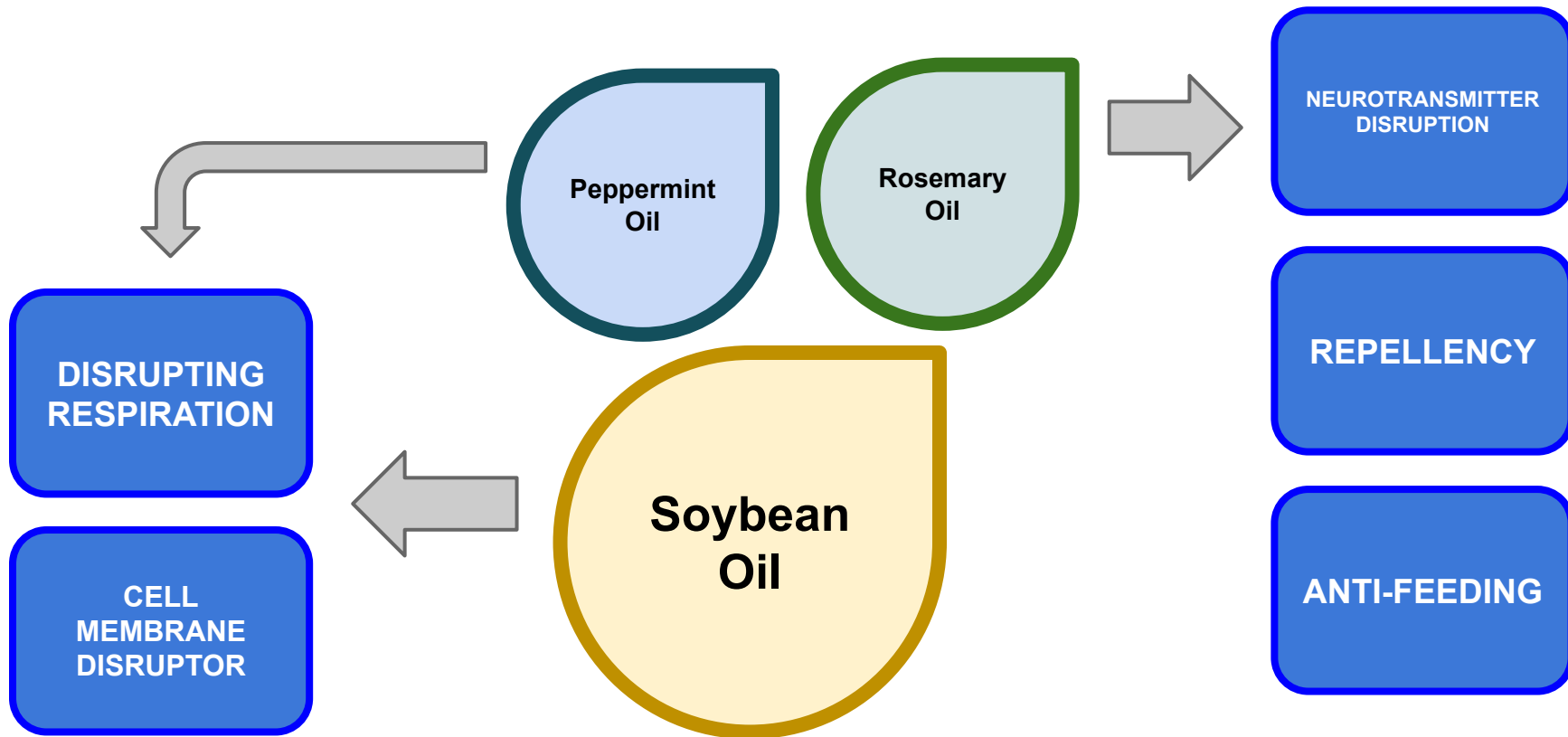


Mantis EC is proudly made right here in the USA!

All active and inert ingredients are sourced and formulated in the USA.

Mantis “Resistance FREE” Modes of Action

Physical and contact modes of action that prevent insects from building up resistance.



“Quotes from Customer Reviews”



- Can be used right up to a few days before harvest without harm to your product
- Priced better compared to other products, like Liquid Ladybug
- Unbelievable knockdown power
- Immediate results
- Safe to use around family, animals, and plants
- All natural ingredients
- Love how this product is all natural
- No harsh smell or residue
- No skin or lung irritation
- Organic and effective
- So many “organics” are wishful thinking but this one actually works
- No harm to the plants
- Organic and Safe to handle
- Clean and minty for hours
- plants were greener and more vibrant after spray
- Green and shiny
- Put a nice sheen on my rose leaves
- Only had to use a small amount to mix with water, it will last me a good while
- It's effective on mites and pretty cost effective too
- Kill bad bugs and keep the good ones
- Goes a long way
- Indoor microgreens, tomatoes, herbs
- Perfect for indoor

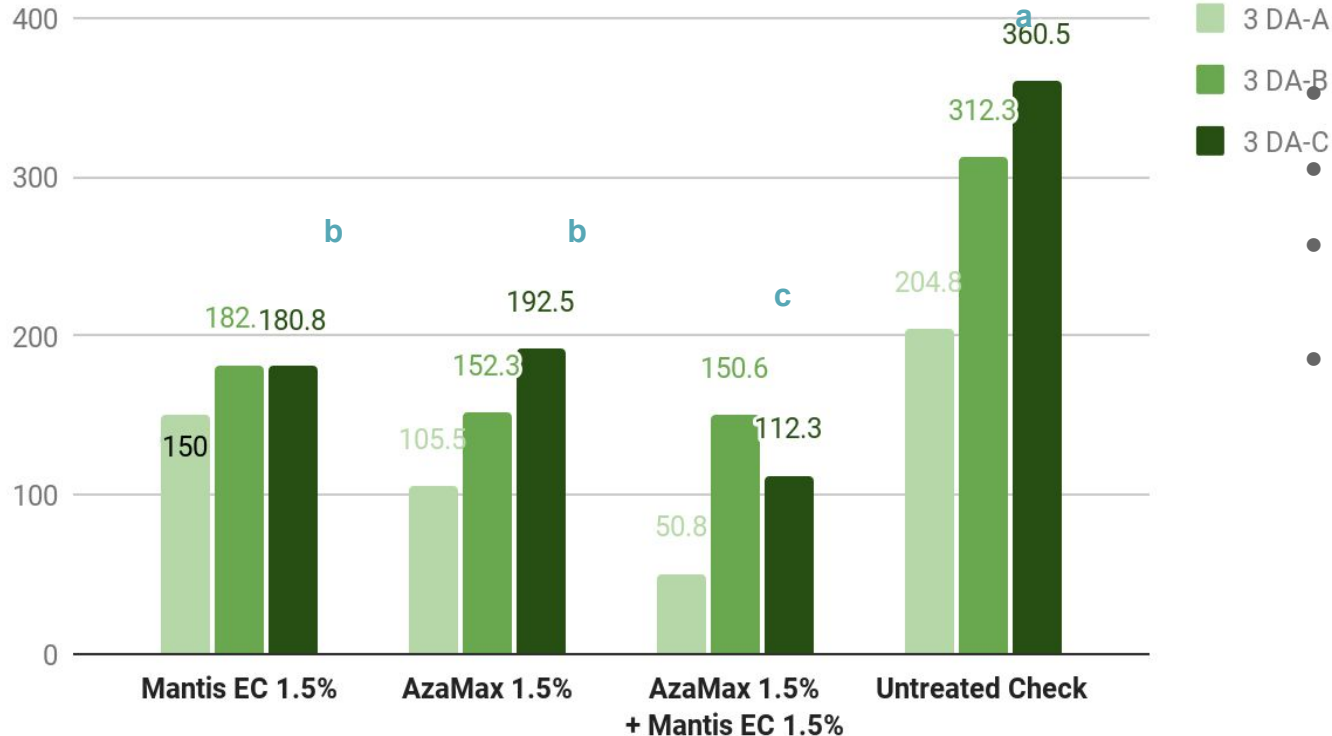


**Mantis Botanical
Insecticide/Miticide EC®**

Silverleaf Whitefly in Cotton

Yuma, AZ September 2016

Nymphs + Red Eye Pupa per 10 Leaves



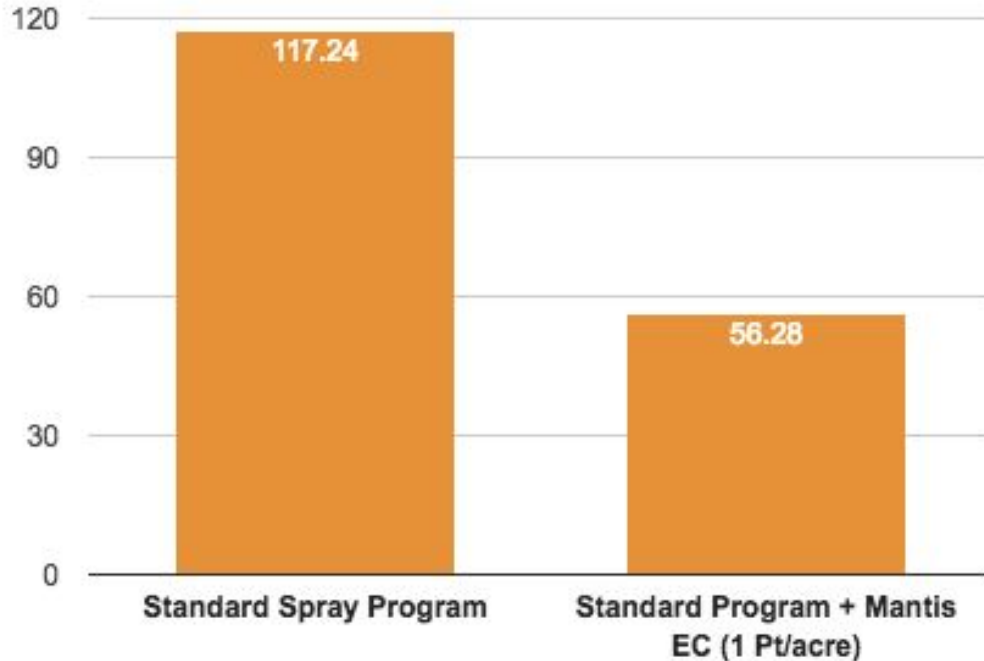
- Applications made on September 20, 26, and 30th
- Counts taken 3 days after each application
- All treatments except UTC included 0.25% v/v Oroboost adjuvant
- No phytotoxicity observed



Green Peach Aphid in Cauliflower

Imperial, CA December 2016

Average Number Aphids per Leaf



- 1 Acre Field Trial
- Applications made on December 5th and 15th
- Counts taken 1 day after last application
- Applications made with spray rig using 50 gallons water per acre
- No phytotoxicity observed

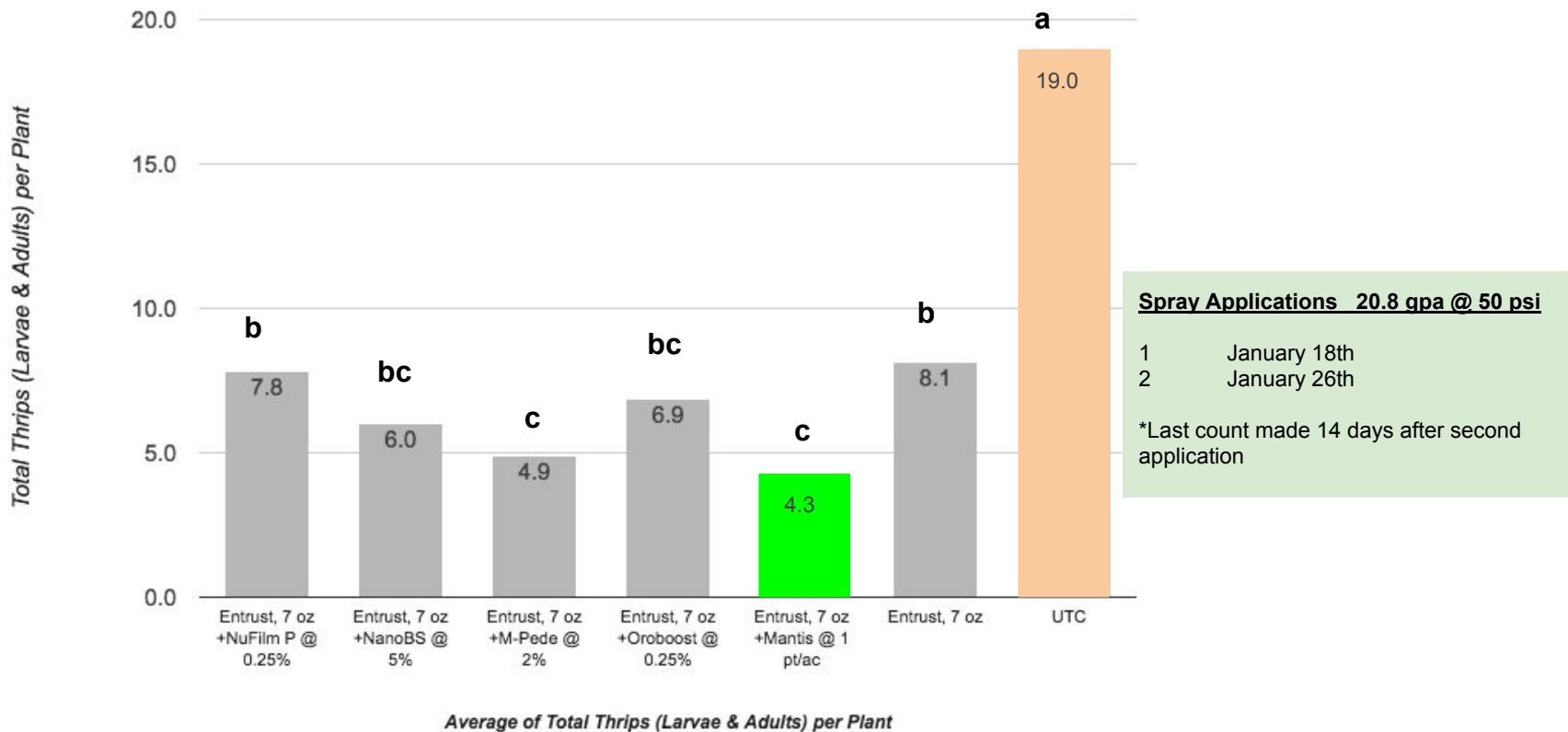




Thrips on Organic Head Lettuce

Dr. John Palumbo - University of Arizona, Yuma AZ

Spring 2016

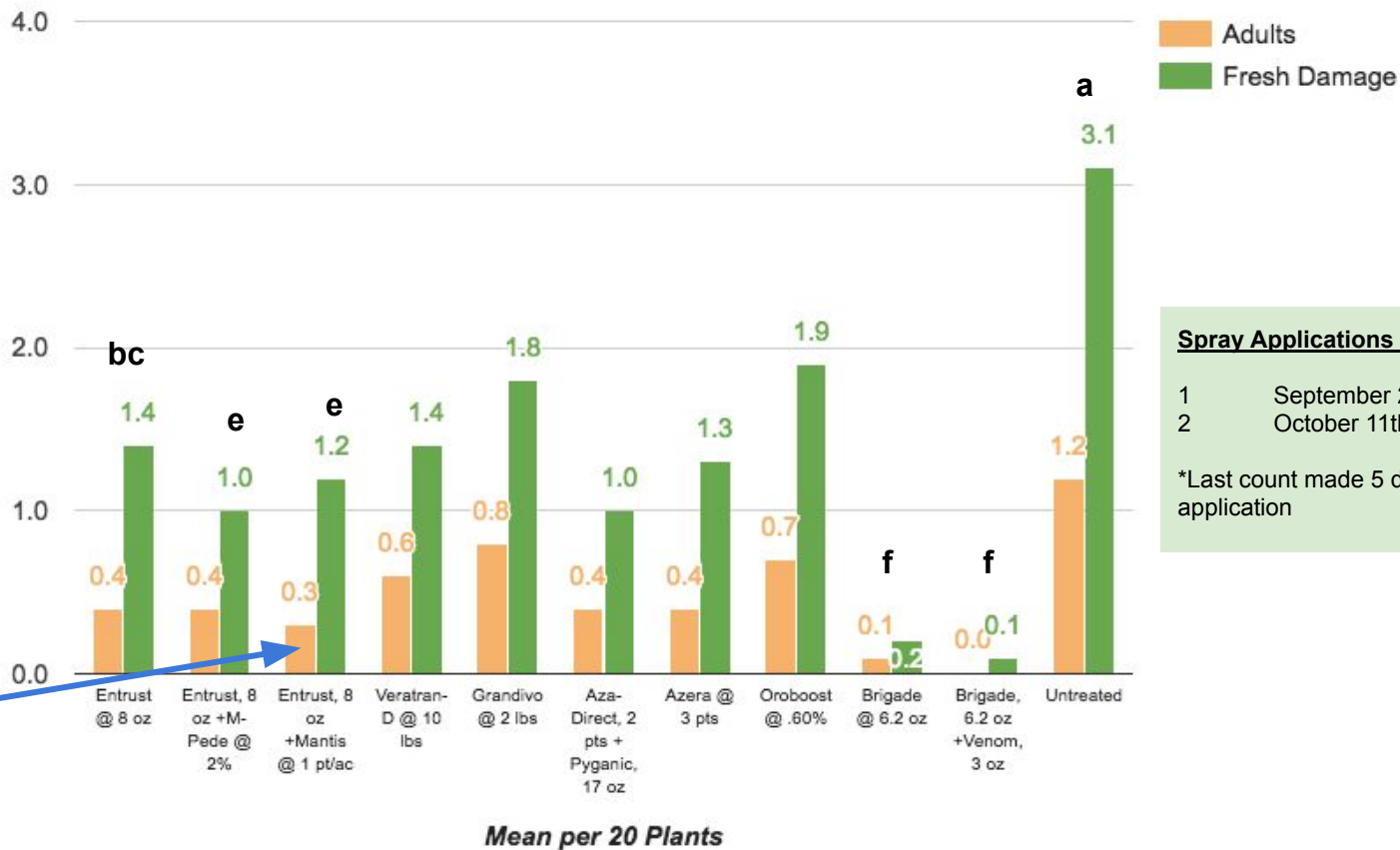




Bagrada Bug on Organic Broccoli

Dr. John Palumbo - University of Arizona, Yuma AZ

Fall 2015



Adults
Fresh Damage

Spray Applications 20.8 gpa @ 50 psi

- September 24th
- October 11th

*Last count made 5 days after second application

Mantis EC Important Use Recommendations

Your Mantis EC bottles has a label with all use instructions and proper rates but here are a few key recommendations you'll want to be sure to follow...

- **Rate:** 1-2 fl oz per gallon of water. 1 oz for regular maintenance applications and 2 fl oz for higher pest infestations. (I've worked with some growers who like to use up to 3 fl oz/gal water for high pest infestations but try a few plants first before going all in).
- **Vegetative Stage:** Apply 1-2 fl oz/gal every 7-10 days for regular maintenance applications.
- **Flowering Stage:** Apply 0.5 fl oz/gal every 7-10 days for regular maintenance. Avoid applications 3-4 weeks before harvest.
- **Mixing:** Make sure you shake well before using and be sure mix well with water by giving it an aggressive shake or agitation.
- **Coverage:** Although Mantis EC has repellency properties, it's main mode of action is contact so be sure to get really good coverage applying solution to all parts of plant. Both sides of leaves, stems, branches, and every little nook and cranny spider mites like to hide.
- **Timing:** Spray in early morning or evening when it is cooler. Do not apply in mid-day sunlight or when grow lights are turned on as temporary leaf burn may occur.
- **Frequency:** Apply at first sign of pest presence and continue applications every 4-7 days until infestation is controlled.