



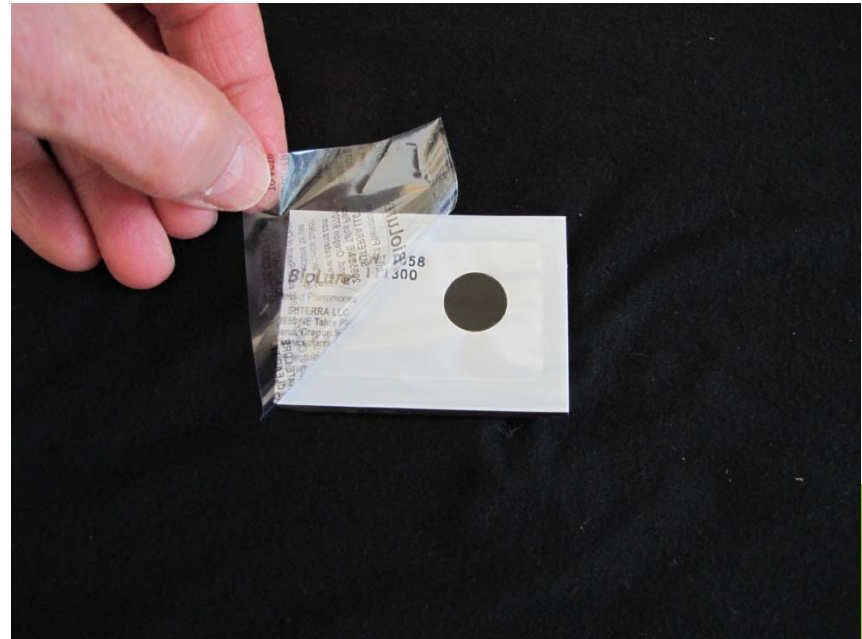
# ***NOW BioLure***<sup>®</sup>

Pheromone Lure for Monitoring  
Navel Orangeworm

Christeen Abbott – Technical Support Manager

***Suterra***<sup>®</sup>

# NOW BioLure®



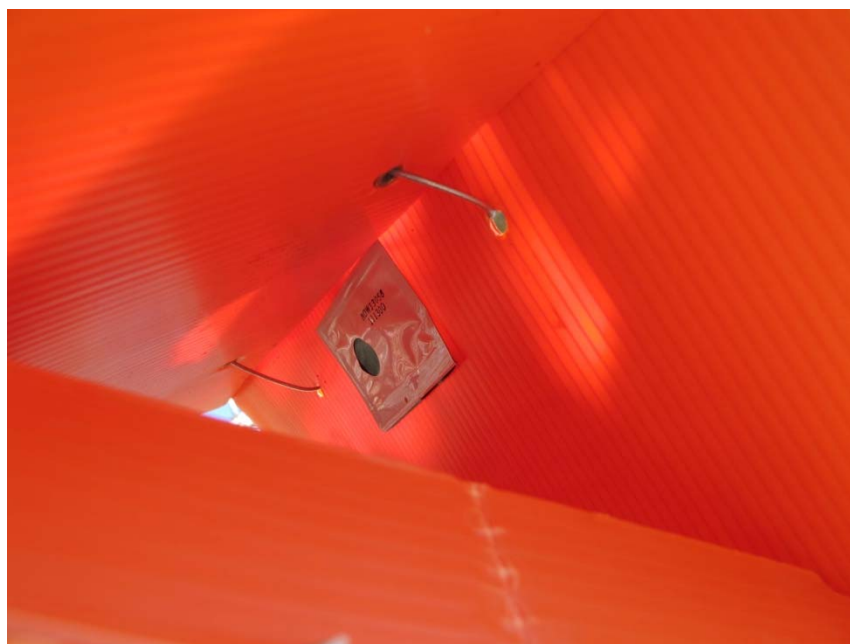
**Suterra®**

# NOW BioLure®



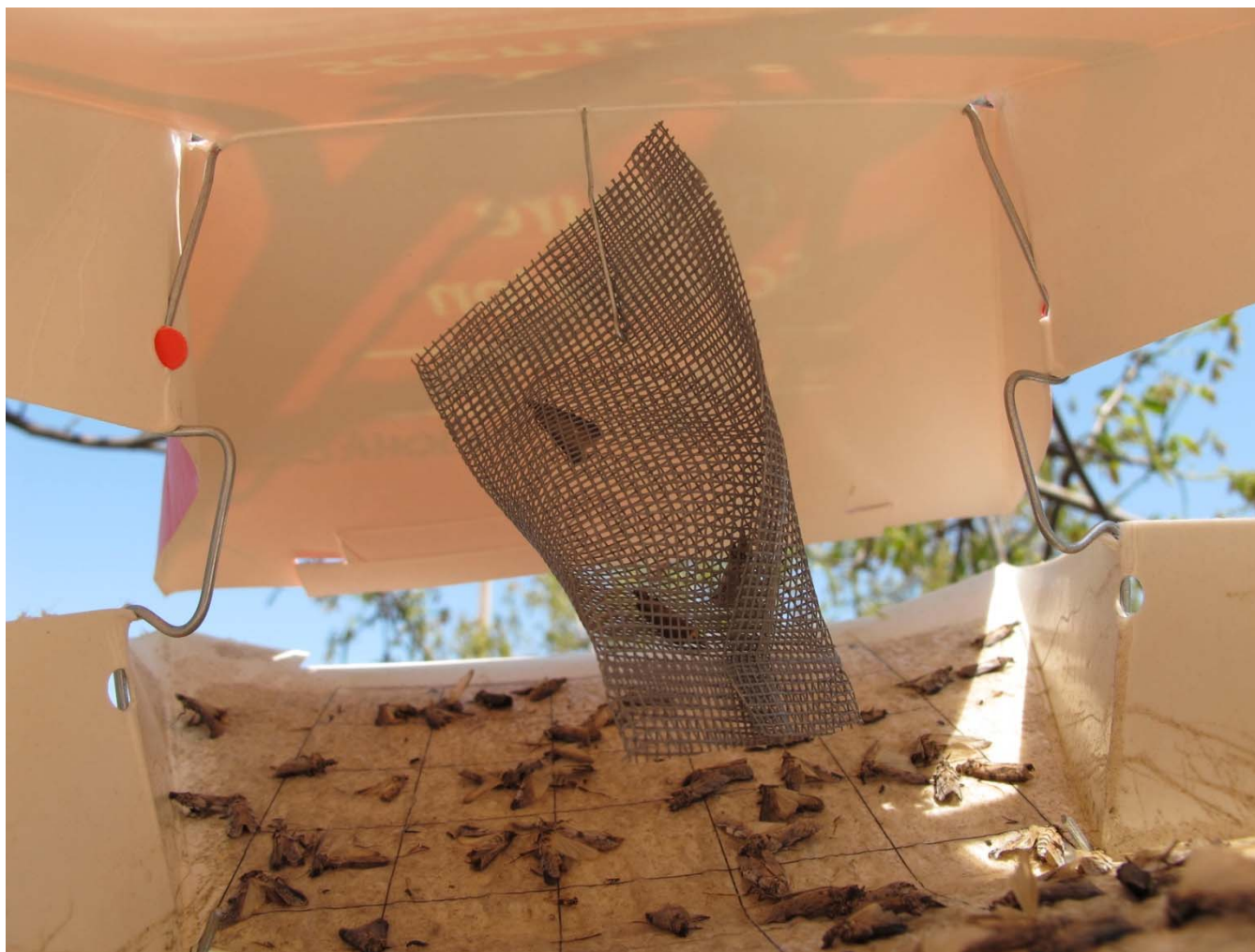
**Suterra®**

***NOW BioLure***<sup>®</sup>



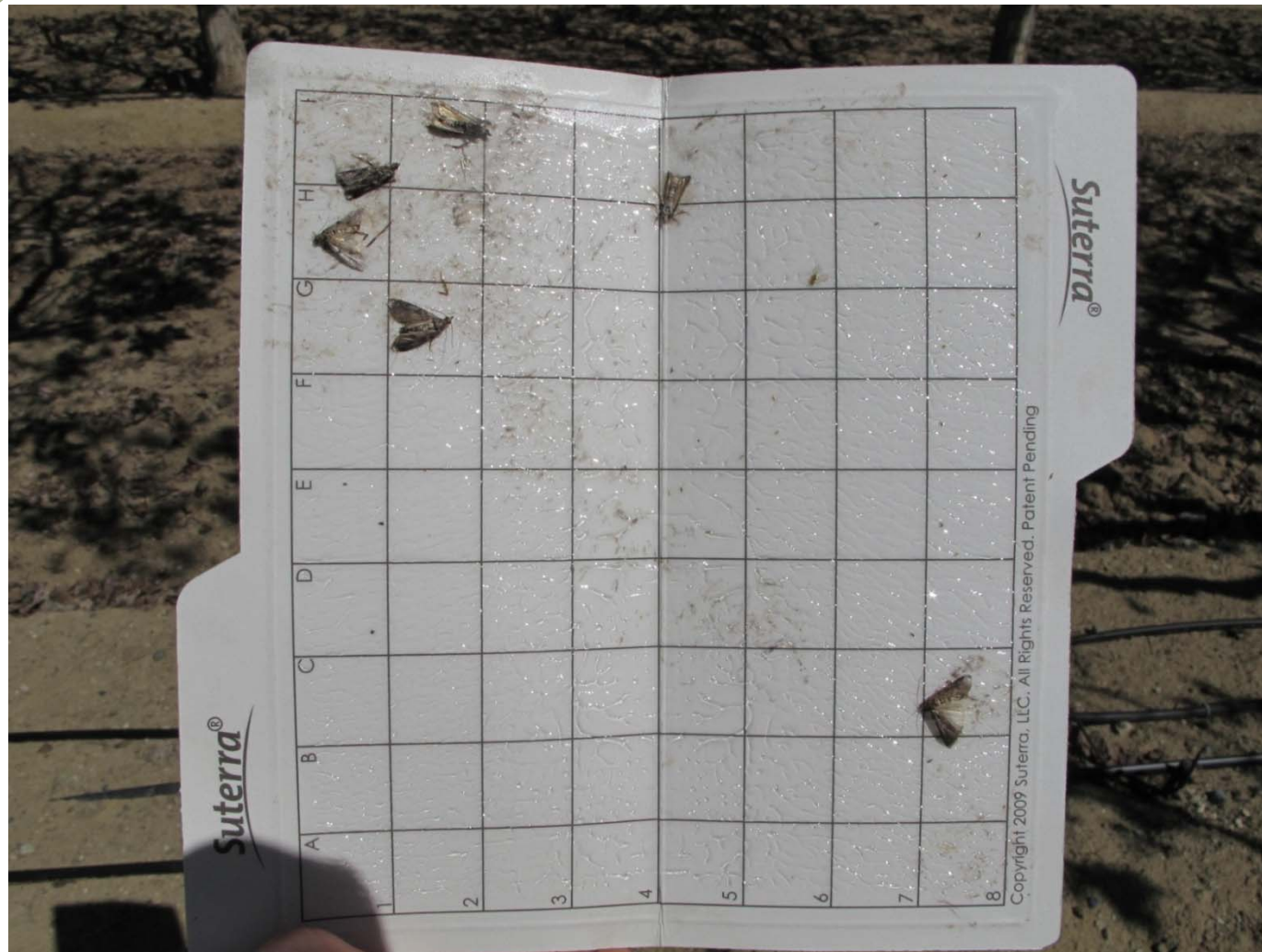
***Suterra***<sup>®</sup>

# ***Caged Virgin Female NOW***



**Suterra<sup>®</sup>**

# NOW BioLure®



## Suterra®

***NOW BioLure®***



***Sutterra®***

# NOW BioLure®



**Suterra®**

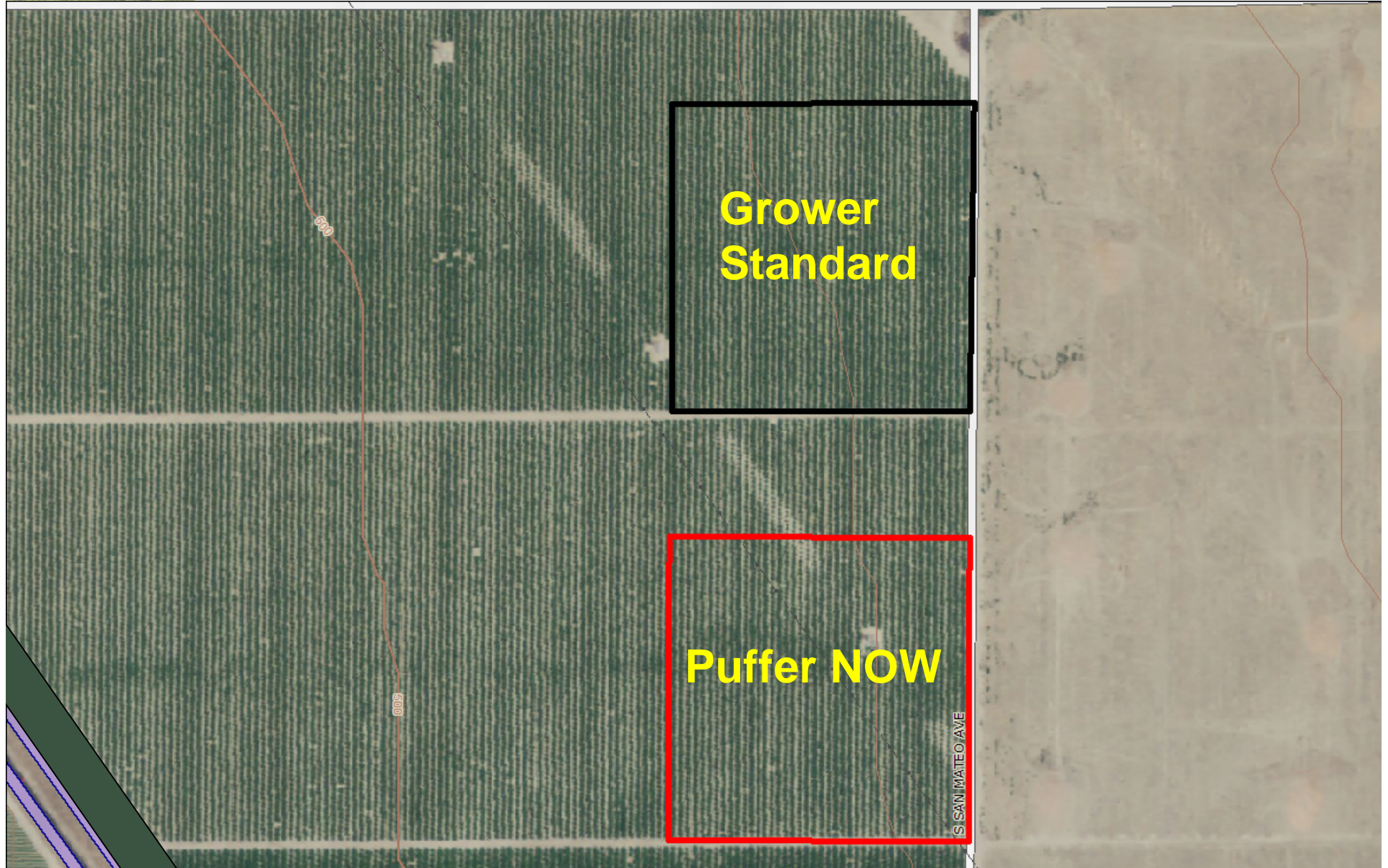
# NOW BioLure®



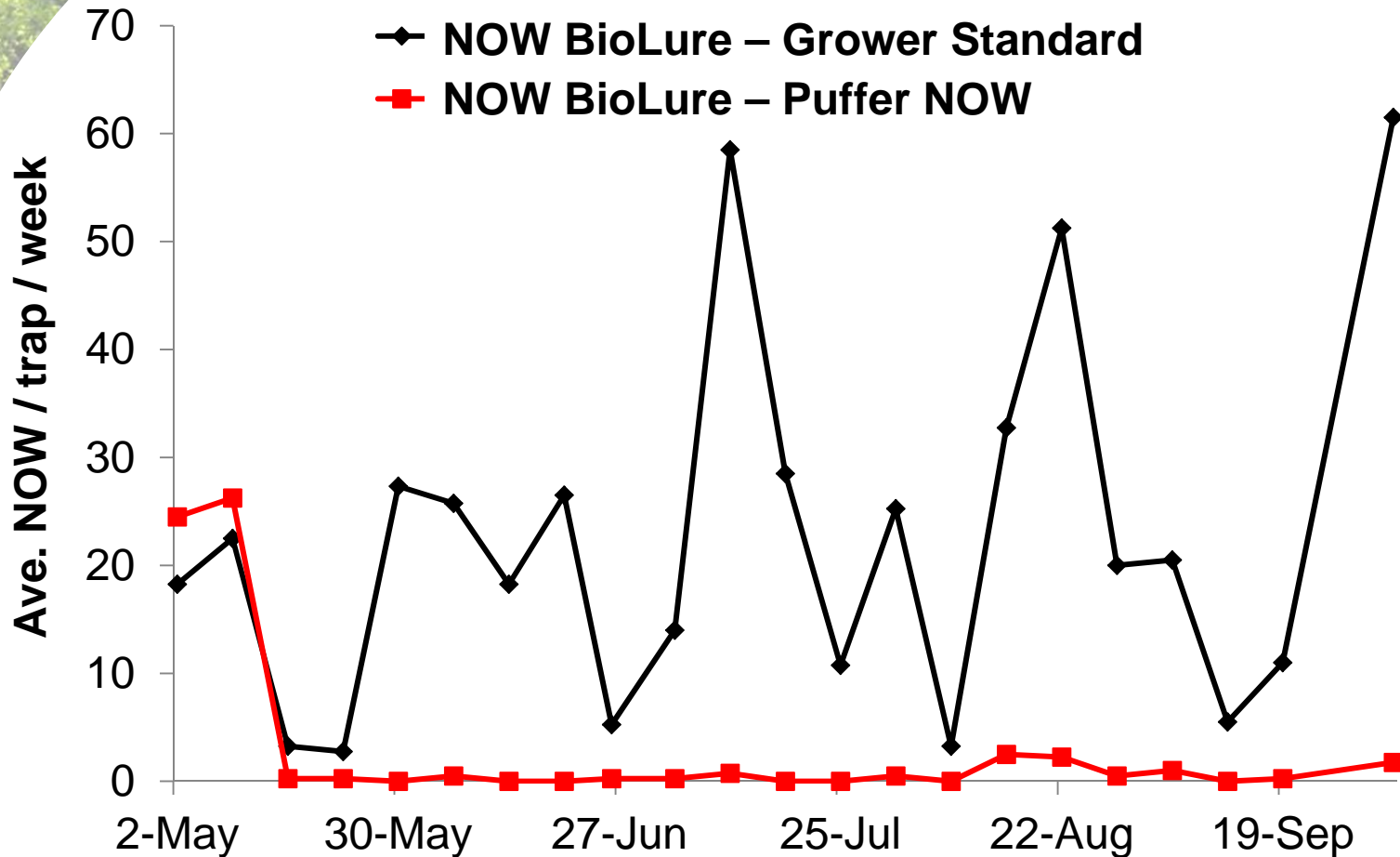
**Suterra®**

# ***NOW BioLure Trial – Almonds***

***West Fresno County - 2012***



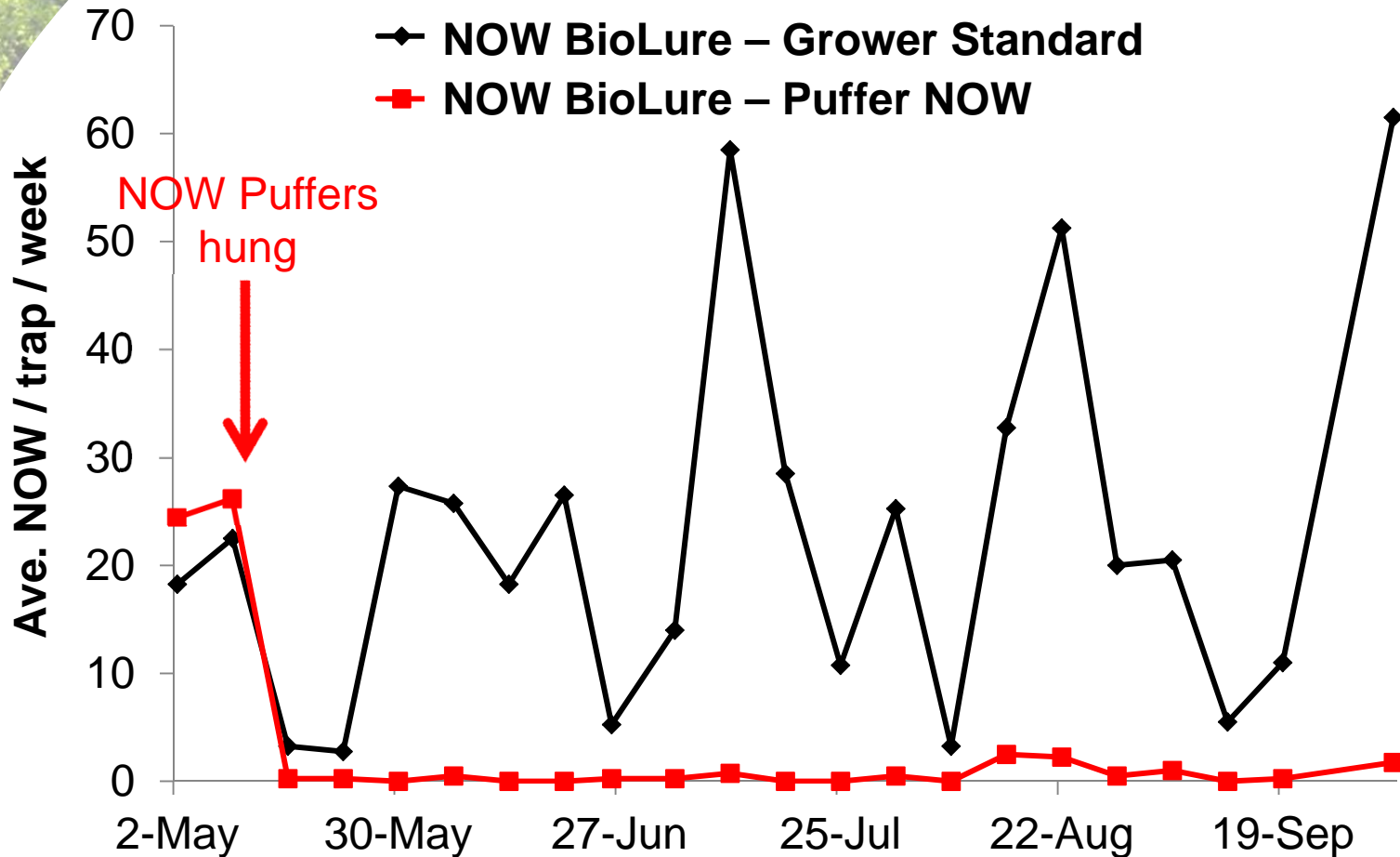
# ***NOW BioLure Trap Catch in Puffer and No-Puffer Blocks***



**Suterra**<sup>®</sup>



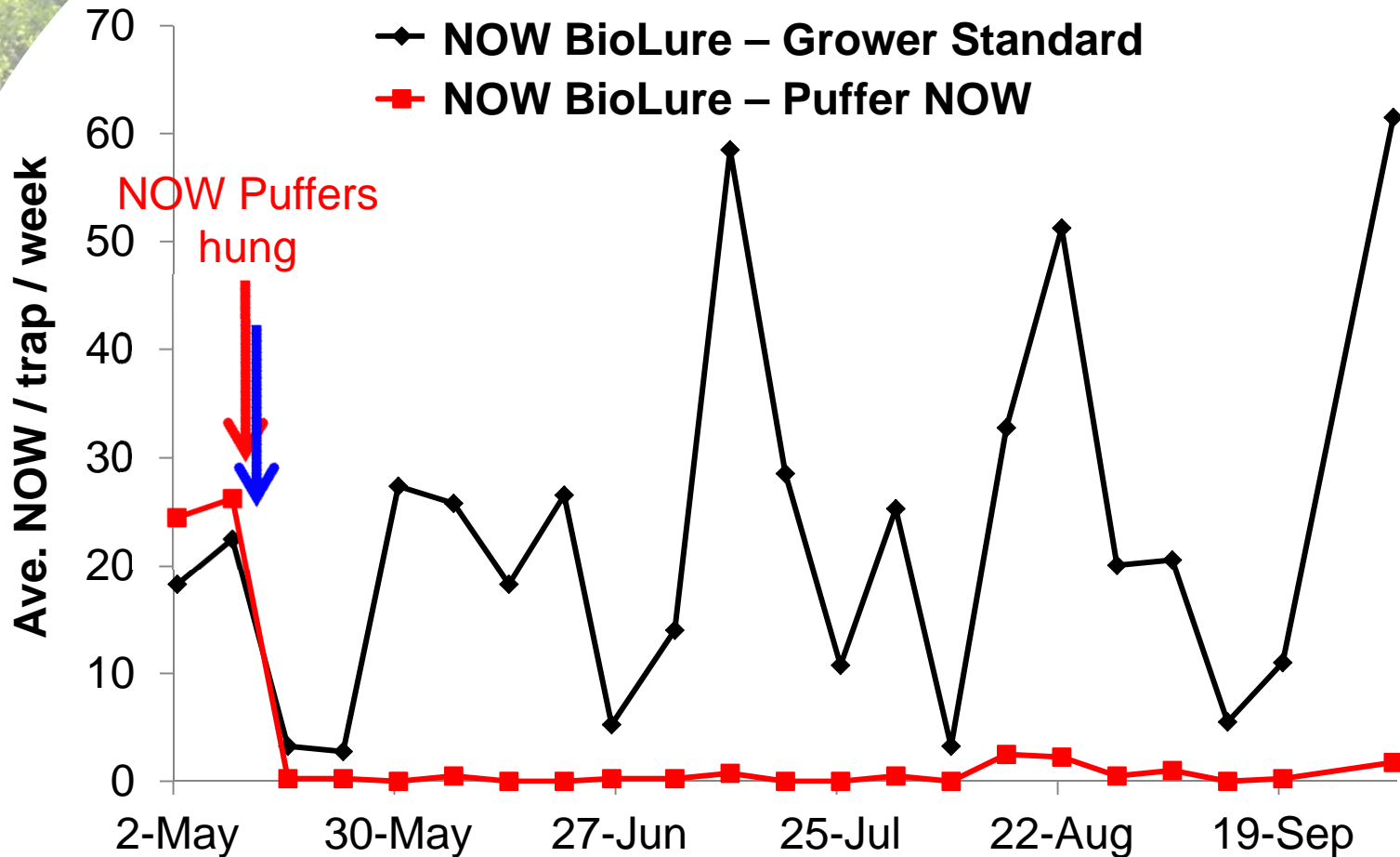
# ***NOW BioLure Trap Catch in Puffer and No-Puffer Blocks***



**Suterra**<sup>®</sup>



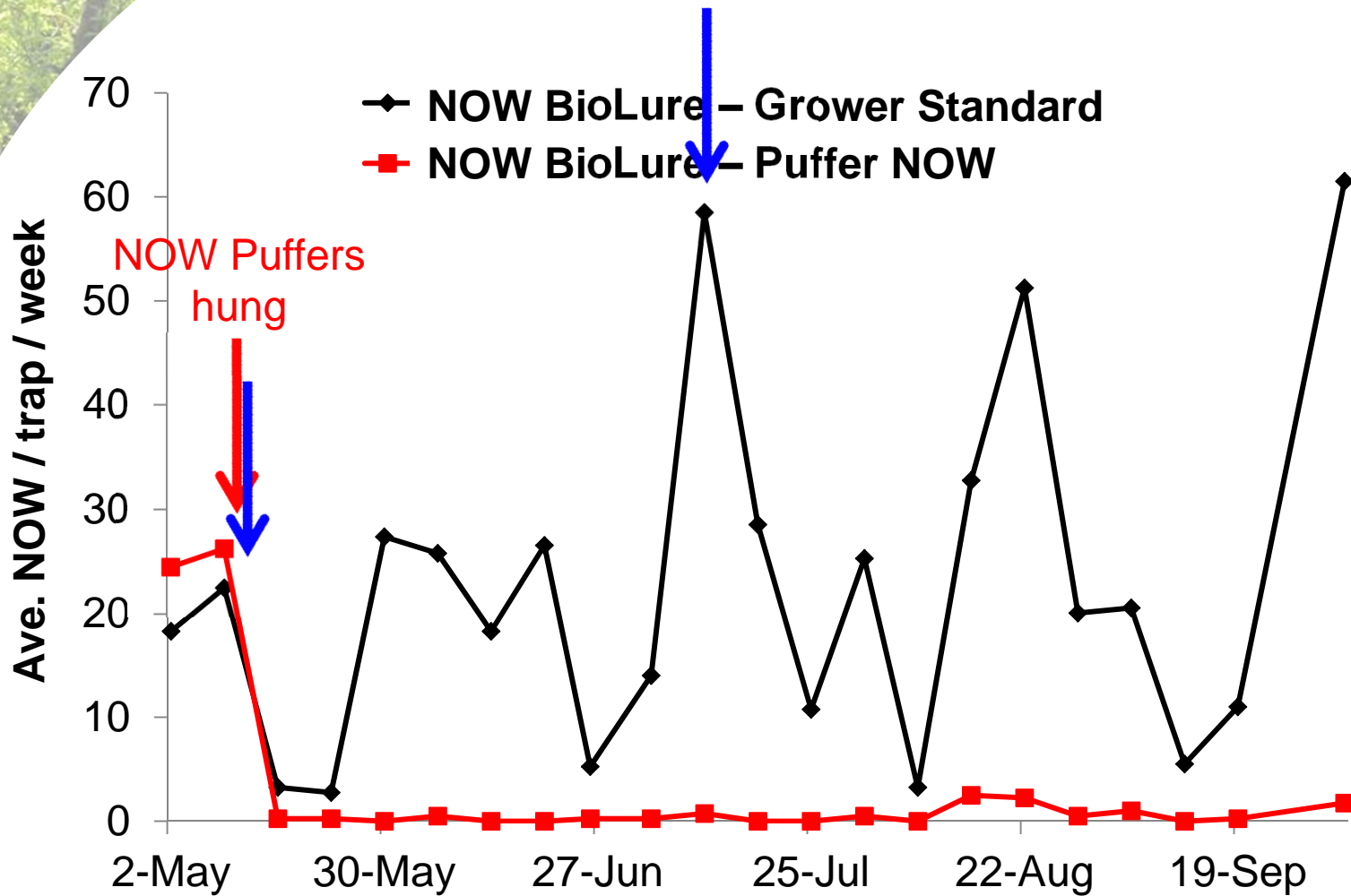
# ***NOW BioLure Trap Catch in Puffer and No-Puffer Blocks***



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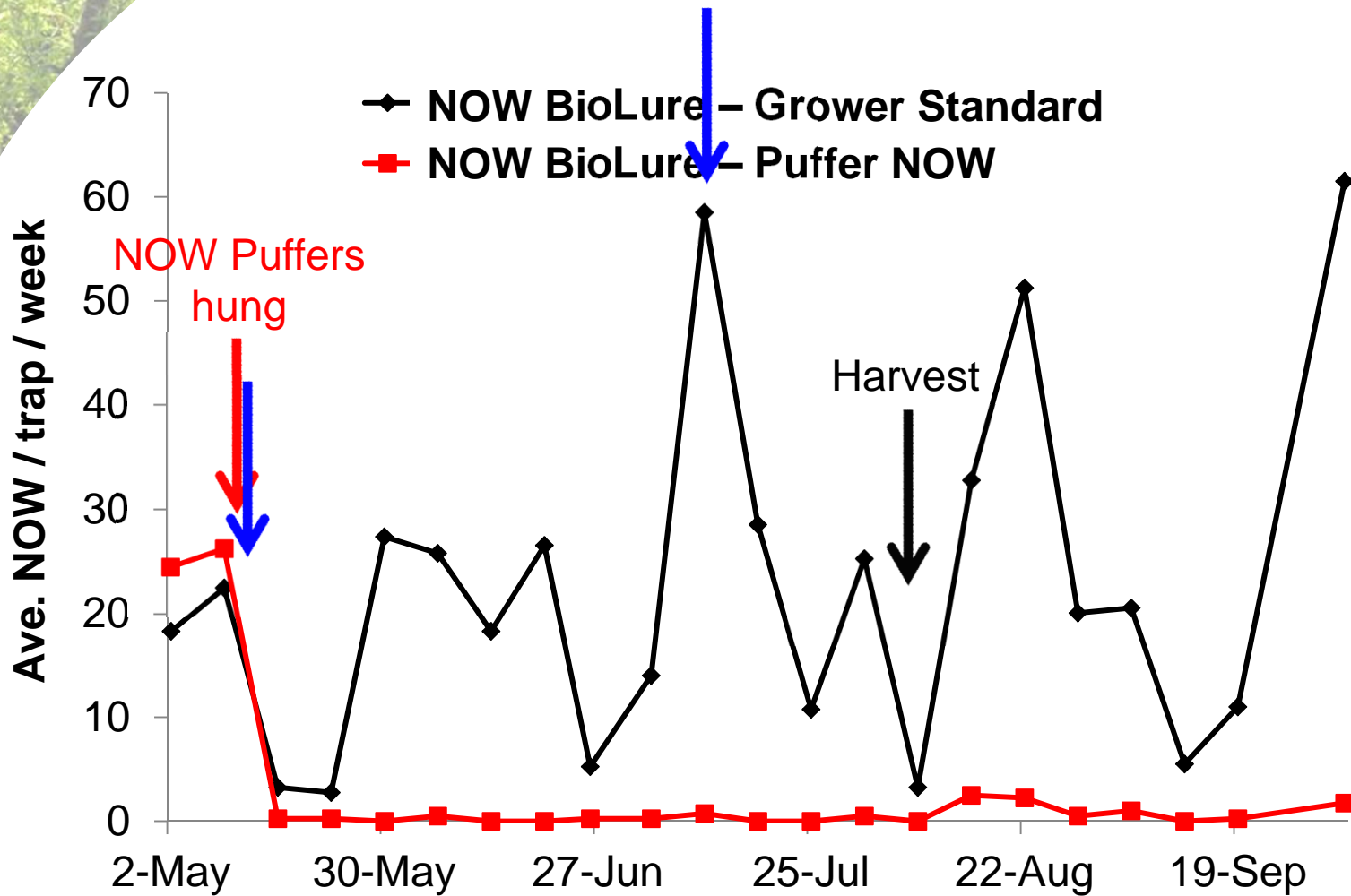
# NOW BioLure Trap Catch in Puffer and No-Puffer Blocks



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# NOW BioLure Trap Catch in Puffer and No-Puffer Blocks



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**NOW (gray)**



**NOW (dark)**



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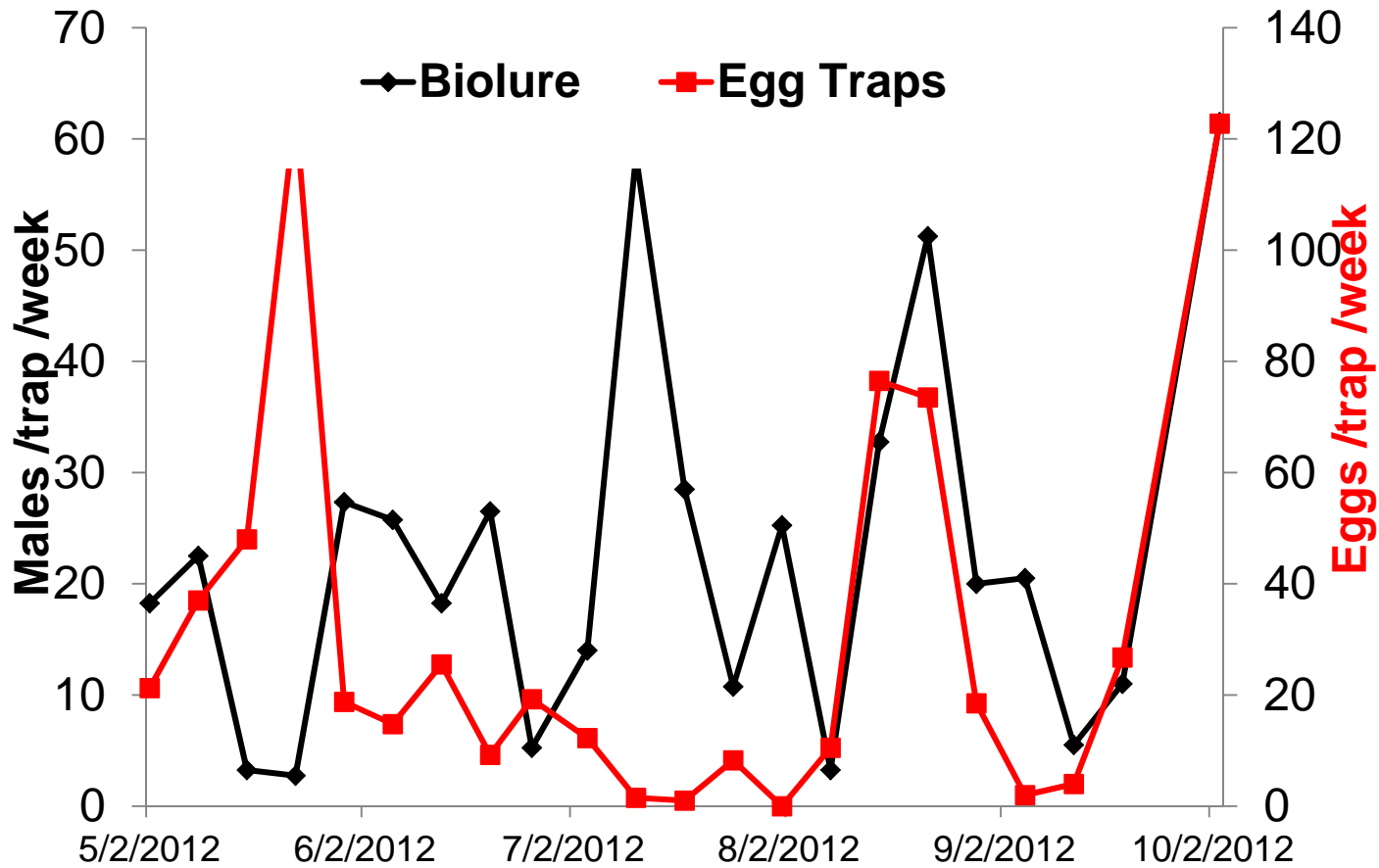
# Meal Moth *Pyralis farinalis*



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# Correlation Between Egg Trap Counts & Pheromone Trap Counts

## Almonds - 2012



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## ***How does egg trap catch correlate with NOW BioLure trap catch?***

- Pheromone traps more accurately monitor NOW activity
- Egg traps not as responsive from hull split through harvest
- Will have more information at end of this year



## ***How do I use NOW BioLure trap catch data this year?***

- Can gather information as to when NOW flights peak in your own orchards
- In blocks with known problems, can determine where the pressure is and/or where it is likely coming from
- NOW flight information gathered this year likely used for future pest control decisions



## ***How do I use NOW BioLure trap catch data this year?***

- In presence of mating disruption, trap catch should be virtually zero



# ***NOW BioLure®***

## **IMPORTANT POINTS**

- Lure lasts for 5-6 weeks in the field.
- Prior to use, store this lure and all lures ideally in the **freezer** but at the minimum in the **refrigerator**
- Don't leave in a hot vehicle
- Remember.....traps counts only as good as your lure

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# ***NOW BioLure***<sup>®</sup>

## **SUMMARY**

- Pheromone lures track NOW peaks/flights
- Should be better able to time insecticide sprays
- What it all means / possible traps catch thresholds that trigger sprays.... needs to be determined.
- Much easier to use than egg traps

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# Sticky Notes

- NOW (and other pests) phenology information
- Free weekly newsletter
- Fresno County, Tulare/Kings/Kern Counties, Merced/Madera Counties
- **IPM2go.com**

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# *Questions?*

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**[www.suterra.com](http://www.suterra.com)**



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