

Need to Know

- Straight talk for professionals about pests and pest control products

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Mosquito Control With Suspend[®] SC

Barrier treatment has become an increasingly popular mosquito control program in recent years. It allows an insecticide to be delivered to where mosquitoes are resting and harboring. Studies with Suspend SC as a mosquito barrier spray were carried out at Public Health Entomology Research and Education Center, Florida A&M University, in 2004.



Objectives

Evaluate residual activity of Suspend SC on foliage against mosquito populations which are West Nile virus vectors in a field setting.

Materials and Methods

1. Product: Suspend SC 0.06%.
2. Species: *Culex quinquefasciatus* and *Aedes albopictis*.
3. Treatments:
 - 1,200 sq. ft screen cage, under natural conditions.

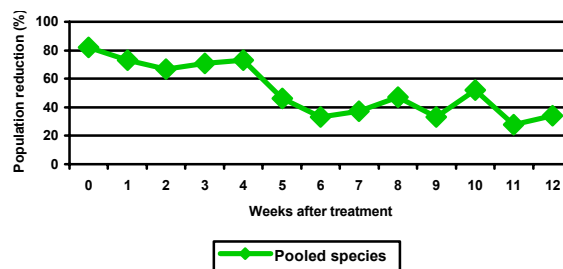


- Six potted plants were treated with 0.06% Suspend SC, and placed in one corner.
- Another group was of untreated plants were placed in the opposite corner and served as controls.
- Approximately 4,000 female adult *Culex quinquefasciatus* and *Aedes albopictis* were released into the cage every day for consecutive three days in each week.

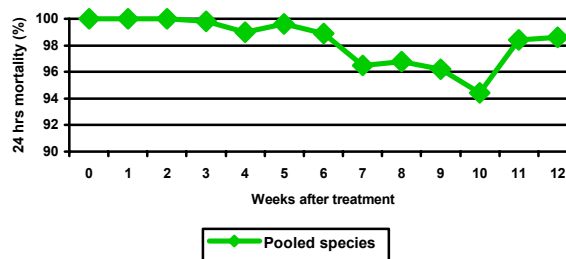
- Light traps were used to monitor populations 4 hours after mosquitoes were released.
- Residual on foliage was determined using laboratory bioassay at each week.

Results

A accumulative 3-day trapping reduction data



Residual activity of Suspend SC on foliage



Conclusion

- Suspend SC is effective in controlling mosquito species which may carry West Nile virus.
- Re-treatment is recommended every month for complete coverage and maximum protection.

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Suspend[®] SC
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