**Suggestions from reviewers**

**Paper**

*Trivial changes*

* Remove comments about bycatch of non-pest insects or explain how this method resolves the issue (3)
* Correct span of hexacopter (117cm) and note that props are not installed in figure 1 (3)
* Make the swath width of the coverage path explicit (1)
* Acknowledge instantaneous turning assumption (1)
* Cite claim that mosquitoes prefer vegetative areas (3)
* Remove figures 11 and 13 or improve their usefulness (3)
* Rework figures 2 and 12 to work better with black and white printing (3)

*Minor changes*

* Run simulations on multiple datasets (1) [I presume this means we should use different background pictures and numbers of mosquitoes]
* Improve circuitry discussion – explain relevance/importance of decisions or cut insignificant pieces (1)
* Increase discussion of performance changes between spiral and non-spiral paths with flight time restrictions (3)
* Discuss UAV a little more (3)
* Adjust metric for simulation comparison to how the distribution of the discovered mosquitoes compares to the true distribution instead of simply quantity discovered (4)
* Explain difference between path spacing in figure 5 (3)
* Explain why hardware used boustrophedon path (1)

*Significant changes*

* Motion Planning
  + Review the algorithmic approaches used for informative path planning, particularly the Bayesian target search problem and the time-dependent geo-spatial process monitoring problem (4)
* Hardware Experiments
  + Include experimental results for screen angle and area cleared of mosquitoes (4)
  + Use hardware to support analysis of different path planning algorithms (1)
* Math Models
  + Consider motion effects on screen angle (1)
  + Consider limitations of a fixed screen position (3)
  + Consider what volume of space ahead of the screen contains mosquitoes for which capture is inevitable (3)
  + Vary the level of stochasticity in the mosquito swarm motion (3)
  + Use a higher fidelity attraction/repulsion model to estimate mosquito motion (3)
  + Compare hardware flight data to existing methods for modelling environmental phenomena from point observations (3)
* Other
  + Improve flow of paper from section to section (1)
  + Increase rigor of hardware design evaluation and validation (4)
  + Discuss difference in single mosquito zap and multiple simultaneous mosquito zaps and difference between mosquito zaps and other insect zaps (4)

**Video**

* Include captions or voiceover to explain what is happening (3)
* Restructure to eliminate appearance of being a collage of available videos and figures (3)
* [No suggestions from reviewers 1 or 4]