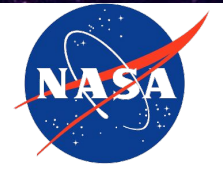


# Abstract/ Introduction

The research was conducted to find a correlation between the color and size of the trap to the amount of mosquitos that were present

## Research Method

To figure out whether the size played a role in attracting mosquitos 3 traps of 3 different sizes were set up in different locations but with similar land cover. The first was a small paint bucket that had a surface area of 28in<sup>2</sup>. The second was a medium sized trap was a bucket with a surface area of 100in<sup>2</sup>. The third was the largest with a surface area of 600in<sup>2</sup>. The buckets were filled and fish flakes were used as bait and everyday two days for a week the traps were checked for larvae.



# Mosquito Attraction Research



## Acknowledgements

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Research question: **Do the color and surface area of mosquito traps have an effect on their ability to attract mosquitoes?**

## Results

	Day 2	Day 4	Day 6
S	0	603	416
M	243	1941	676
L	204	2743	1834

Over the course of the week I collected the data using the habitat mapper on the globe observer app to track my progress. As you can see the larger surface area attracts mosquitoes better. But what is interesting to notice is that the small and medium buckets held similar mosquito densities with about 20 larvae per in<sup>2</sup>.

# Discussion

The size traps were located in College Station, Texas while the traps in the discussion of color were set up in Florida. Due to heavy storming no data was collected on color resulting in no conclusion for the color variable:

## Conclusions

According to our data we can conclude that a larger surface area attracts more mosquitoes but can only hold so many larvae respectively. So anyone possible mosquito habitats need to be taken care of to help the spread of mosquito borne illnesses.



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