

Experimental Summary

- **Arm in a cage test protocol**
 - Person put arm in a cage with 10 mosquitoes for 5 minutes
 - Number of bites were recorded for 5 minutes
 - Number of landings were recorded for 5 minutes
- **Treatment versus control**
 - Treatment- mesh covered arm
 - Control- uncovered arm
- **Experimental details**
 - Two replicates
 - 10 mosquitoes per replicate



Figure 1. Arm in a cage experiment.



Figure 2. Arm without mesh.



Figure 3. Arm in mesh jump suit.

RESULTS

	Control (BITES)	Mesh Suit (BITES)	Group Size
Replicate 1	6	1	10
Replicate 2	9	3	10
Average	7.5	2	10
St. Dev.	2.121320344	1.414213562	0
St. Err.	1.5	1	0

Table 1. Total bites.

	Control (Landings)	Mesh Suit (Landings)
Replicate 1	12	41
Replicate 2	12	90
Average	12	65.5
St. Dev.	0	34.64823228
St. Err.	0	24.5

Table 2. Total Landings.

	Control (Fed) %	Mesh Suit (Fed) %
Replicate 1	60%	10%
Replicate 2	90%	30%
Average	75%	20%
St. Dev.	21%	14%
St. Err.	15%	10%

Table 3. Percent Engorged.

CONCLUSION

The MESHED suit reduces the number of bites compared to an arm without coverage. Note that there was an increase in landings when wearing the meshed suit because the mosquitoes were unable to feed.