

WHAT ENVIRONMENT DO WOOD BUGS PREFER?

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Habitat

Wood Bugs are found in dark and moist places. Living in moist places is important for wood bugs because they need to be able to take in enough water. Wood bugs are typically found in dark and moist places. For example, they hide under flowerpots, vegetable debris, mulch beds, rotten wood and rocks because they are darker and moister. They are found in most regions of the world like Canada.



Hypothesis

If we have a light and dry side and a dark and moist side, then the Wood bugs will be more attracted to the dark and moist side.

Materials

- Soil -Timer
- Paper -Small rocks
- Leaves -Potatoes
- Tweezers -Water
- Metal tray -Rocks

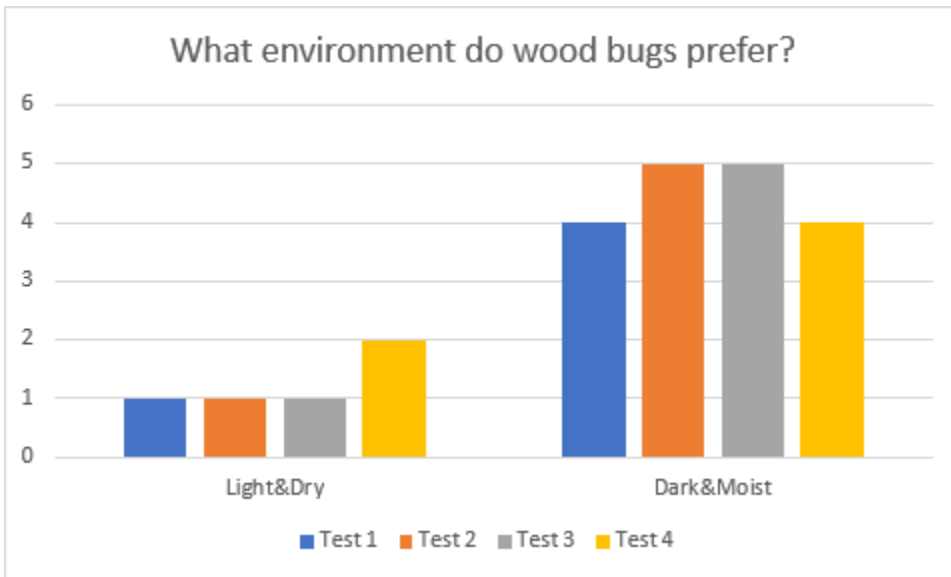
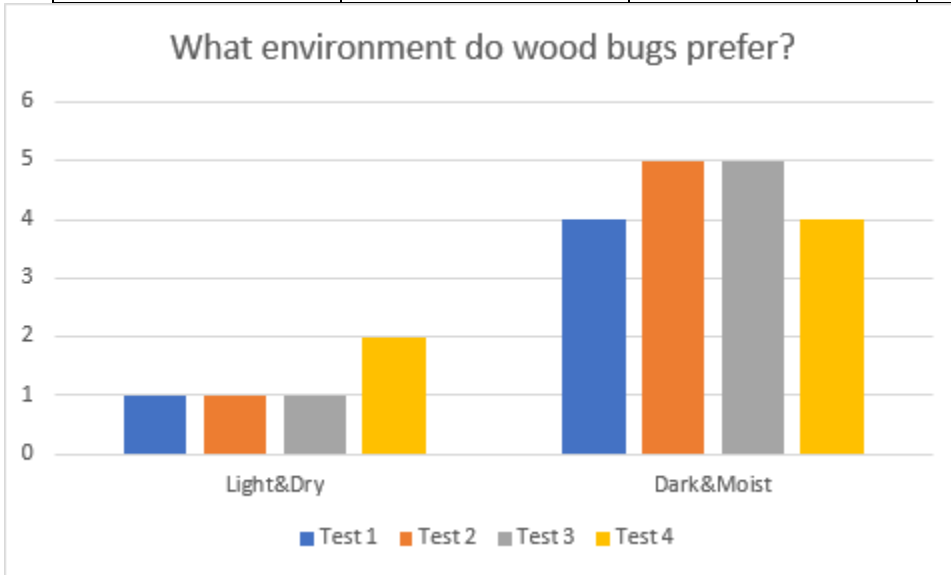
Procedure

Prepare the shelter by placing soil over the entire tray, placing paper over one side to form a shelter. Leaving the other side open for natural light. Then pour water over the darkened side to make it damp. Lastly place the potatoes in each corner. Then place wood bugs in the middle and set timer for five minutes. Once timer ends, count how many wood bugs on each side and record for 4 trials.



Data Table

X	Test 1	Test 2	Test 3	Test 4
Light and Dry	1	1	1	2
Dark and Moist	4	5	5	4



X axis- Type of environment.

Y axis- Number of wood bugs

Qualitative Observations

An observation we made was that the majority of wood bugs went to the dark side of the tray. Another observation we made was that the same bugs would go to the same side. For example, it was the same wood bug that would go to the light side every time. The last observation we made was that the wood bugs would explore the tray and then hide near the potato chunks.

Conclusion

Our experiment was to see which side the wood bugs would move to; The dark and moist side or the light and dry side of the tray. Our hypothesis was that we predicted that the wood bugs would move to the dark and moist side of the tray because they are found in darker places like under rocks or flowerpots. Next time to make our experiment more effective and efficient, we are going to make the dark side of the tray more natural and for the wood bugs. Overall, our experiment went smoothly because the bugs cooperated with us and we were prepared.