



Name(s)	Project Number
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	J 1535
Project Title	
Hot Ladybugs	
Abstract	
Objectives/Goals	
strength, flight, and activity.	s of heat on ladybugs' speed,
Methods/Materials	
1,200 ladybugs were tested in 6 groups 200. Each group was placed in a terrarium with a reptile heater	
placed at a fixed height above the tank to radiate a certain temperature, either 70°F, 80°F, 90°F, 100°F, 110°F, or the central group, which was placed separate from the other tanks, temperature the sema as the	
room#s. Ladybugs were under these conditions for 4 days in Trial 1 and 8 days in Trial 2	
Results	, duys in Thu 2.
In the end, the highest average ladybug activity was in the 80°F, the highest average ladybug speed was in	
the 110°F tank, the highest average ladybug strength was in the control tank, the 70°F tank, and the 80°F	
tank all field, and the highest average ladybug flight was in the 110°F tank. The lowest average ladybug	
tank. The lowest average ladybug strength was in the 110°F tank. The lowest average ladybug flight was	
in the control tank, 70°F tank, 80°F tank, and 90°F tank.	vest average ladybug linght was
Conclusions/Discussion	
In higher temperatures, the ladybugs moved faster and flew more often. I	n higher temperatures ladybugs
also grew weaker; they fell off the sides and ceilings of the tanks more of highest at $80^{\circ}$ F and the colder the temperature, the loss ladybugs move.	ten. Ladybug activity was the
speeds the chemical reactions that give the ladybugs energy (as they are cold-blooded) and causes the	
ladybugs to move faster and fly more, although the adhesion is then lessened.	
Summary Statement	
This project was conducted to observe how higher temperatures affect lac	lybugs, because with the
forecasted temperature rise, it is important to take care of ladybugs because their existence is fundamental	
to ours.	
Help Received	
Fother poyed for supplies. Mother helped with transportation and hendling heat lamps	
r and payed for supplies. Motion herped with transportation and nandling heat famps.	