

What do we see?

First day observations: Monday January 30, 2012

We notice that the lighter mealworms are moving much less than the smaller darker ones. We wonder if this is because they are closer to the pupa stage. We notice that they do not like light. They crawl under, and on top of other mealworms. They are all grouped together, with one on the other side of the coffee filter eating apple. Question - will they like oat bran bedding?

Day 2: Monday February 6, 2012

When we opened our box today, we found:

- # Of Pupa: 5
- 1 mealworm shed his skin

We also found that a warm environment speeds up mealworm development.

Long white pupa: Hercules - he was very sensitive because his exoskeleton was still thin. He is also very fast.

Day 3: Wednesday February 8, 2012

Today Cinderella (pupa) is moving, she may be getting ready to hatch. She is dark brown in color on the side where her legs are.

Day 4: Thursday February 9, 2012

Today, we checked the box at 10:30, and discovered that one of our pupas (Cinderella) has hatched into a beetle. Another two pupas were moving slightly today, so we expect to have more beetles soon.

Day 5: Monday Feb 13, 2012

When checking today, we found that Robin hood and Alice are still worms. However, we also have two other worms but they have shed their skin and are much bigger so we are unable to determine who they are.

We also still have one pupa.

Much to our surprise, when we checked today we had five beetles!

Also today, we discovered that one of our beetles is missing half a leg.

Day 6: Wednesday February 15, 2012

Today, during our experiment, some of the beetles began to reproduce. After fertilization, how long does it take the beetle to lay its eggs?

Day 7: Wednesday February 22, 2012

Today, when we opened the box, all beetles had become darker. All of the larvae had gotten larger. We also found a larva shedding and entering the pupa stage. It was very exciting.

During our colour experiment, one of the beetles started spreading his wings out. He did not fly though. Also, some of the beetles reproduced. Did the spreading of the wings have an effect on reproduction?