

Beetle Picture Protocol

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January 2024

1 Introduction

This protocol is to provide guidance on how to correctly take picture of flour beetles for image processing. The protocol will include the equipment needed, pictures of the proper set up, and example pictures of what the final result should look like.

2 Materials & Equipment Needed

- Camera - Use the Canon camera in the dry lab (EWS 601)
 - Make sure batteries are charged
- Light source - stored in the second drawer from the top on the left sides
- Plate to hold beetles
- Mounting stand and boards for underneath

3 Steps to Take Pictures

1. Attach camera to the camera mount
2. Set up light above the camera
3. Make sure camera is set to manual with no flash
4. Clean and focus the lens
5. Place plate under the camera, check to make sure the camera has full view of the plate
6. Take two pictures
7. After taking two pictures, wipe lens to make sure flour does not interfere with the lens

8. When done with picture, clean off the camera and light, place camera back into the bag and return to EWS 601. The light can go into the second drawer from the top on the left side.



Figure 1: This shows where to attach the camera to the mount.



Figure 2: Make sure the camera is set to manual focus with no flash.



Figure 3: Shows full set up of camera.



Figure 4: Attach the light to the shelf above. Check through the camera lens to make sure there are no shadows. Shadows will interfere with the image processing of the beetles.

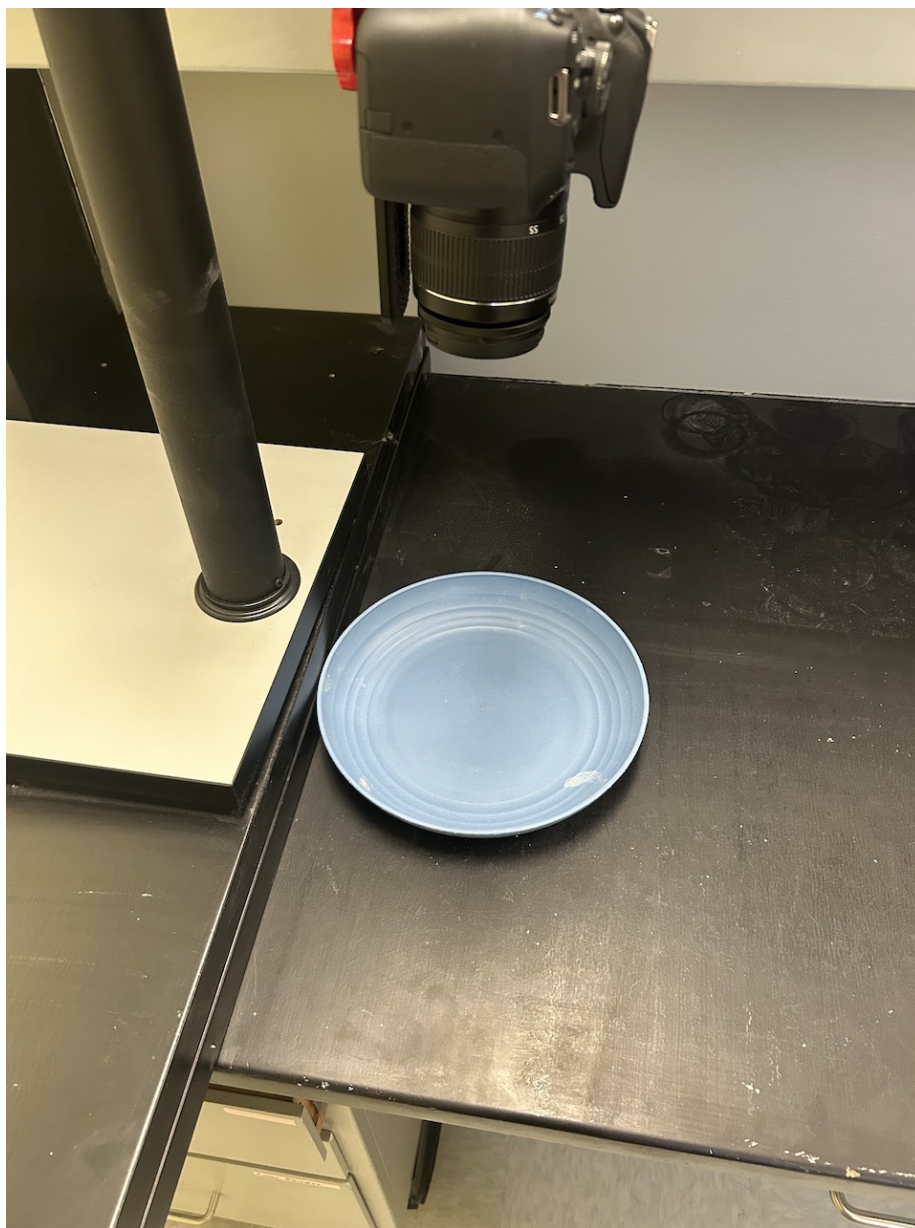


Figure 5: Shows the position of the plate. When looking through the lens, the entire plate should be visible.