

Cowpea Weevil, *Callosobruchus maculatus* (F.), Coleoptera: Bruchidae and
Bean Weevil, *Acanthoscelides obtectus* (Say), Coleoptera: Bruchidae

Origin: Cowpea weevil; 1999, Stanislaus County, Patterson, CA
Bean weevil; 2008, USDA Laboratory, Manhattan, KS (year, location of origin unknown)

Diet/Culture: Black-eyed Peas Diet in Quart Jars (See Appendix)

Tasks Performed: Weekly

<u>Day</u>	<u>Procedure(s)</u>
Monday	
Tuesday	Set up New Cultures with Egg Layers
Wednesday	
Thursday	
Friday	

Set up Egg Layers/New Cultures¹:

Materials:

- CPW cultures with adults fully occupying underside of lid
- Paper towel
- Aspirator – used to capture escapees

Procedure – performed under fumehood:

Move cultures carefully to accommodate handling this spp.

1. Set new culture jar on paper towel next to jar containing CPW adults
2. Transfer CPW adults from underside of lid of source culture to new culture
 - a. Loosen lid on source culture
 - b. Quickly and smoothly set the lid on top of the new culture
 - c. Tap the lid once or twice to transfer from 100 to 200 adults into new culture
 - d. Return lid to source culture
 - e. Place lid on new culture
3. Capture (aspirate) any escapees
4. Place new jars in holding room for development
5. Discard old colony jars by removing labels and placing in freezer

¹ Egg layers (adults) are not removed from CPW cultures

Clean up:

Wipe down and disinfect surfaces of fumehood and cart before handling another species
Place all materials used in handling insect in freezer before proceeding