

Lesser Grain Borer, *Rhyzopertha dominica* (F.), Coleoptera: Bostrichidae

Origin: Unknown; circa 1967

Diet/Culture: Hard Red Winter Wheat Diet in Quart Jars (See Appendix)

Tasks Performed: Monthly

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

Set up Egg Layers/New Cultures¹:

Materials:

- Fumehood
- LGB cultures with adults
- # 14 and # 30 sieve & pan setup
- Pour pan
- Aspirator
- Graduated cylinder, Nalgene®, 10 ml

Procedure – performed under fumehood:

1. Shake culture and pour ca. half into sieve
2. Shake sieve to separate beetles from diet
3. Return material from both #14 sieve and bottom pan to culture jar
4. Aspirate adults from #30 sieve
5. Transfer 1 ml adults into each new culture jar using graduated cylinder and funnel
6. Close jar with wire mesh and filter paper lids
7. Place new jars in holding room for development
8. Discard old colony jars by removing labels and placing in freezer

¹ *Egg layers (adults) are not removed from LGB 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