

Fig. 2. Activity densities of millipedes (Mill), gray garden slugs (Gray), marsh slugs (Marsh), banded slugs (Banded), ground beetles (GBtl), and wolf spiders (WSpdr) for May 22, 2014 (A), June 27, 2014 (B), 7/23/14 (C), 8/26/14 (D), 9/23/14 (E), and 10/21/14 (F). Means were averaged by block and rotation  $\pm$  SE.

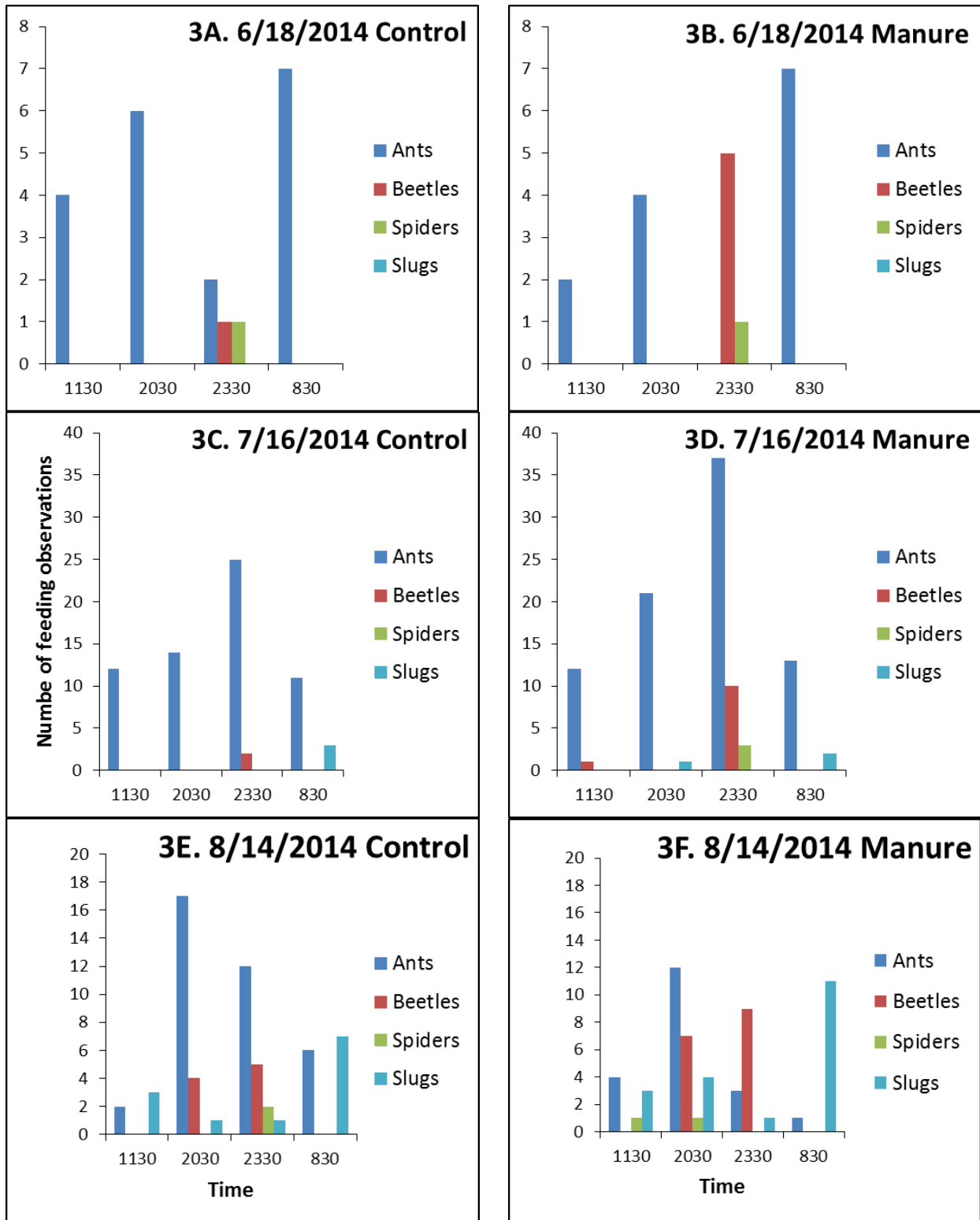


Fig. 3. Number feeding observations of arthropods and slugs on wax worms over 24 hours in the Control Rotation on 6/18/14 (A), 7/16/14 (B), 8/14/14 (C) and in the Manure Rotation on 6/18/14 (D), 7/16/14 (E), 8/14/14 (F).

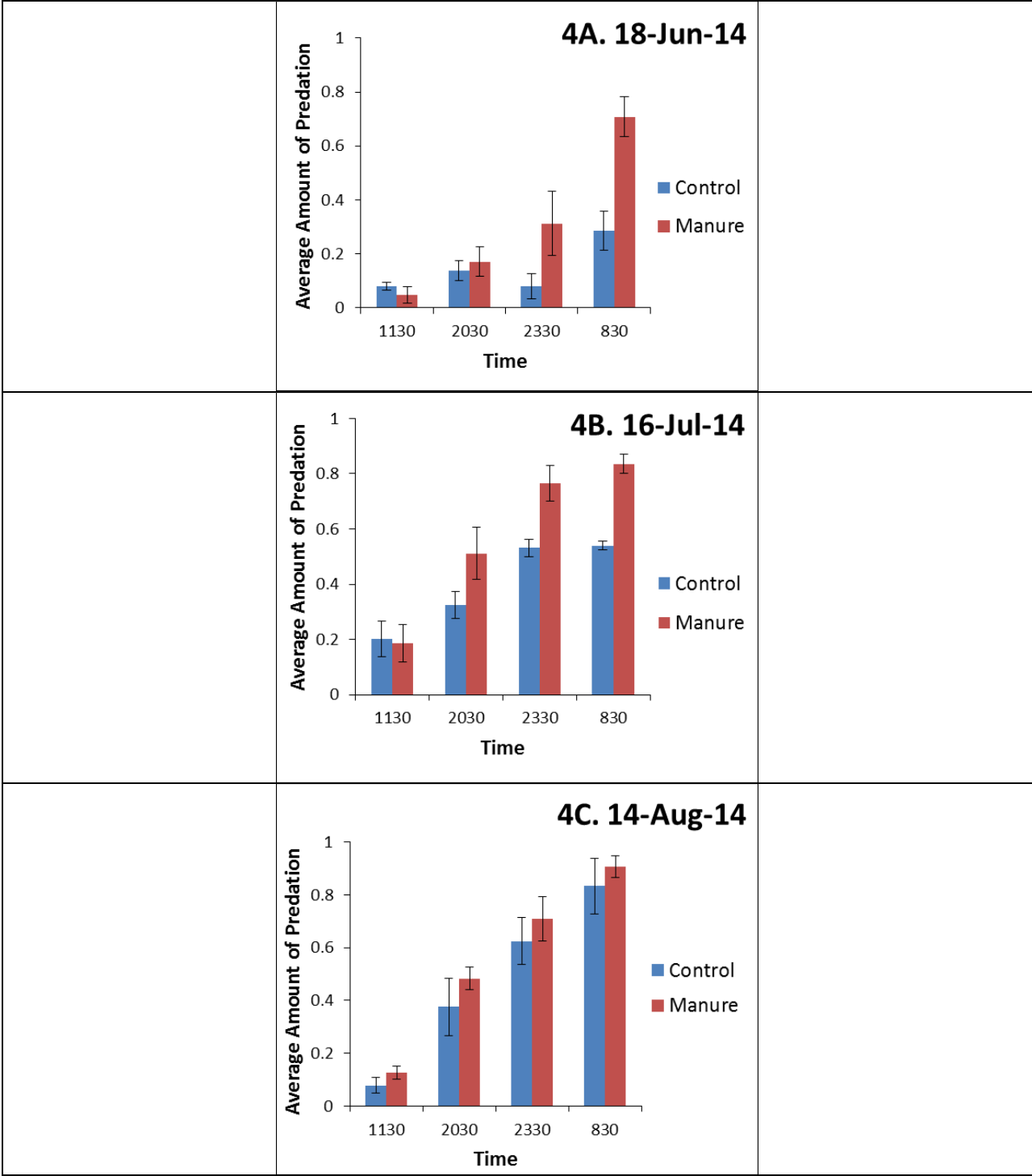


Fig. 4. Average amount of predation in Control and Manure rotations based on wax worm consumption on 6/18/14 (A), 7/16/14 (B), and 8/14/14 (C). Means were averaged by block and rotation  $\pm$  SE.

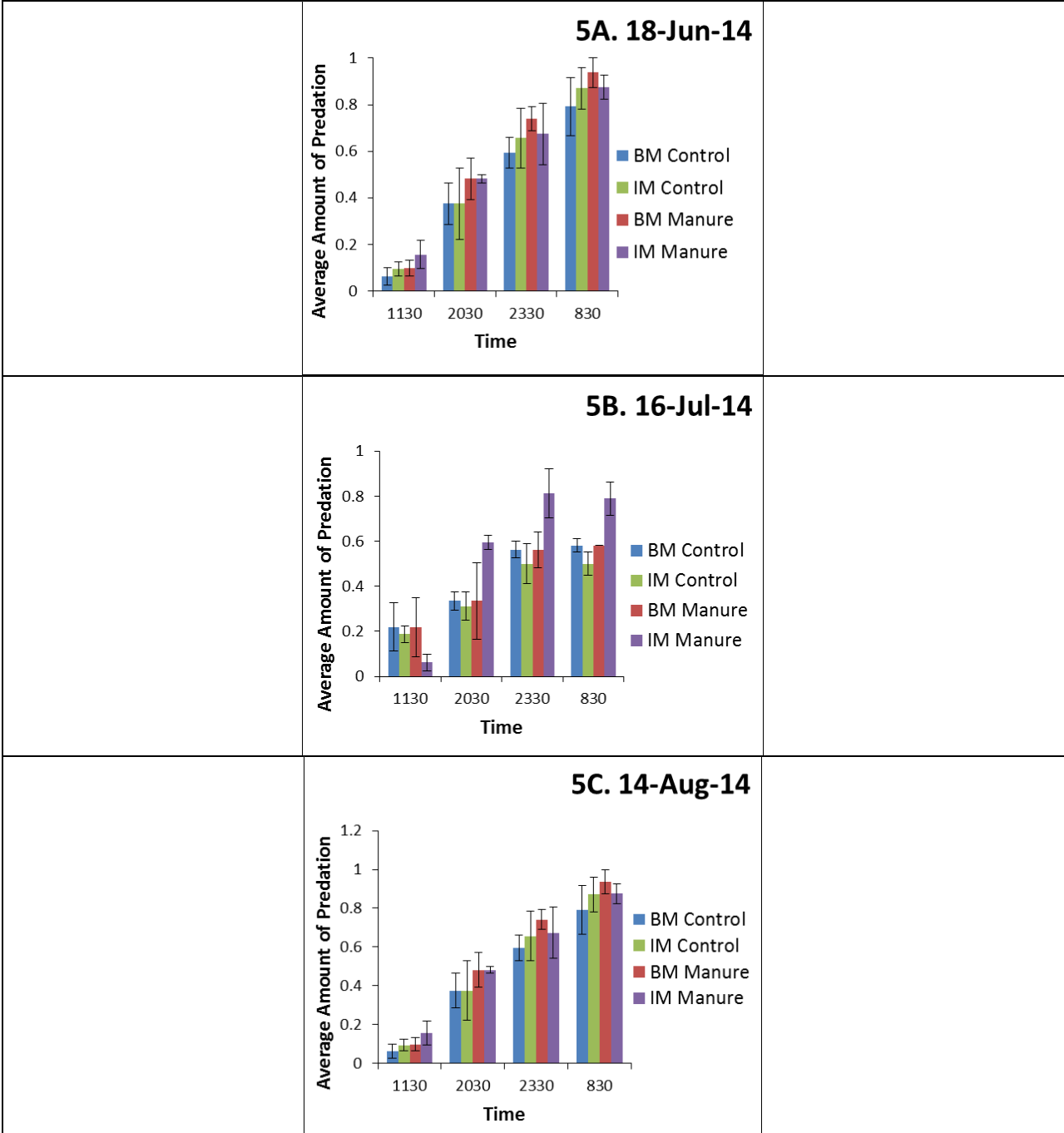


Fig. 5. Average amount of predation by broadcast manure and injected manure treatments in rotations based on wax worm consumption. Means were averaged by block and treatment  $\pm$  SE.

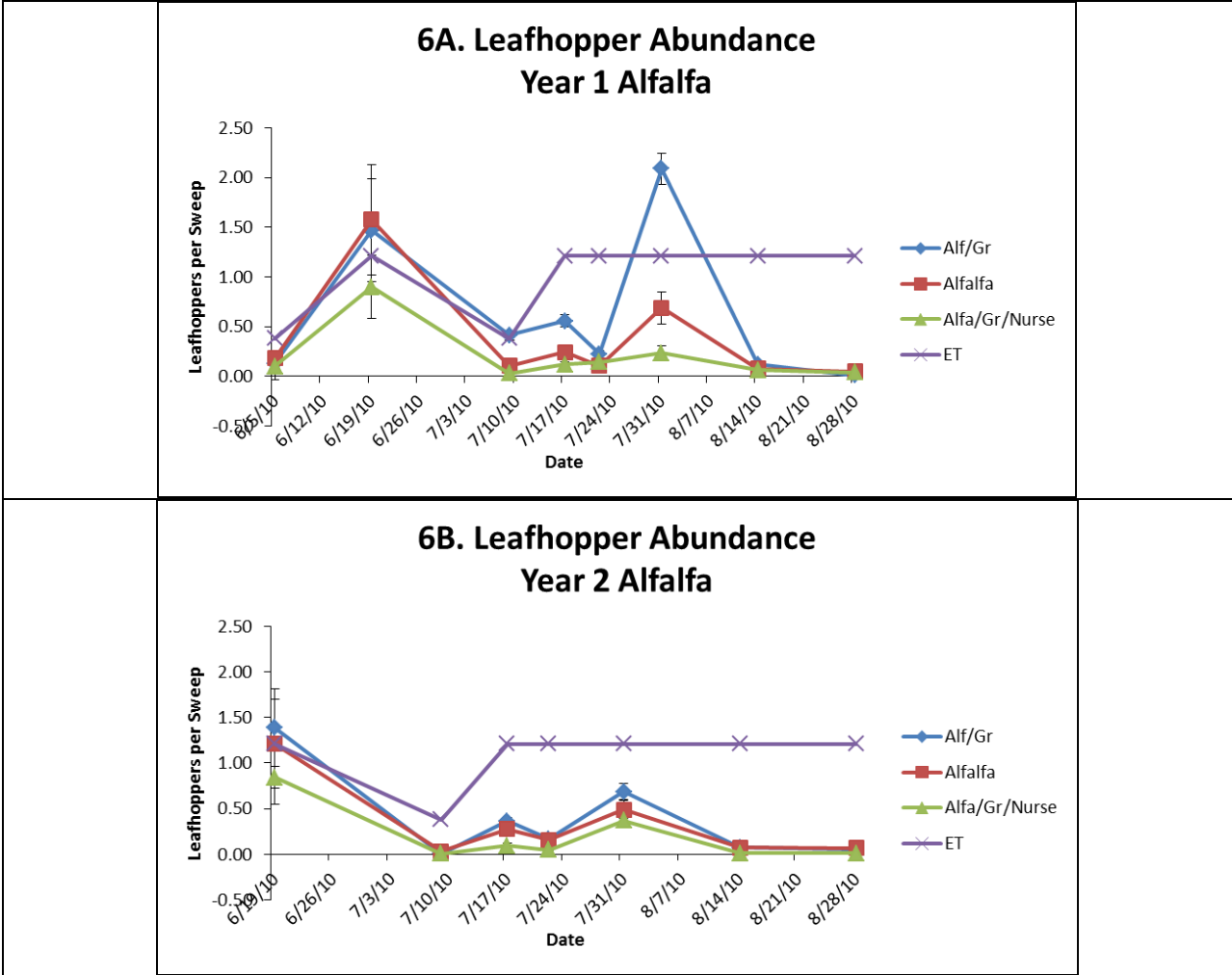


Fig. 6. Leafhopper number per sweep in Year 1 alfalfa (A) and Year 2 alfalfa (B) plots in the Pest Rotation averaged by split-split plot and treatment  $\pm$  SE. Treatments: alfalfa + grass, alfalfa, alfalfa + grass + nurse crop. Economic Threshold (ET) estimated using weekly hay prices for Centre County, PA and PSU Extension "Potato Leafhopper on Alfalfa" fact sheet (revised, Tooker 2013).