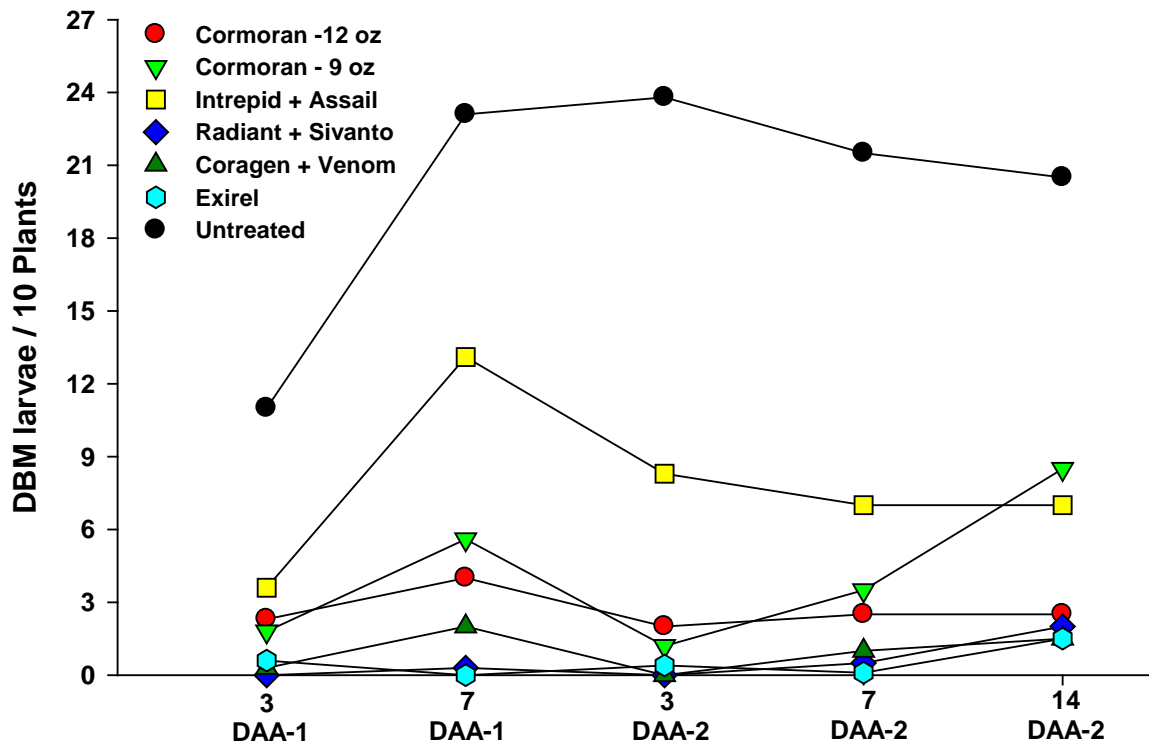


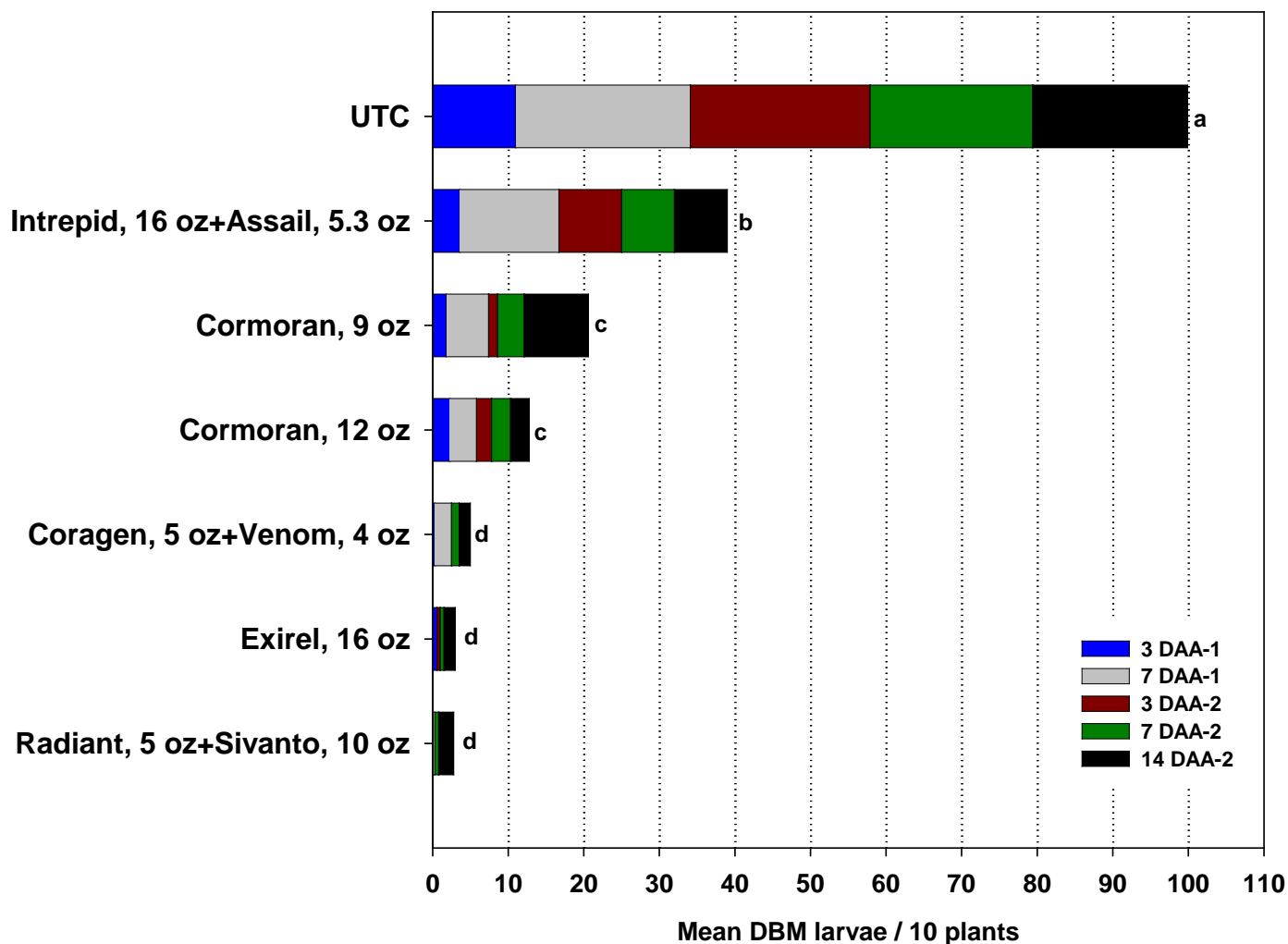
# Efficacy of Foliar Insecticides Against Diamondback Moth and Whitefly.



John Palumbo

- Trial location:** Yuma Ag Center
- Crop:** Broccoli, 'Emerald Crown'
- Wet date:** Sep 7, 2017
- Exp. Design:** Randomized complete block design with 4 replicates
- Plot size:** Two beds wide by 45 ft long and bordered by one untreated bed.
- Applications:** 1) Oct-2, 3-4 leaf stage  
2) Oct-12, 6-7 leaf stage
- Spray Equipment:** CO<sub>2</sub> pressurized boom sprayer operated at 40 psi and 22.5 gpa through 2 TXVS-18 ConeJet nozzles per bed. Dyne-Amic was applied at 0.125% vol/vol to all treatments.
- Assessments:** 5-10 plants were randomly selected from each replicate at various intervals after the each application (DAA). Whole plants were destructively sampled for the presence of DBM larvae.





Means followed by the same letter are not significantly different ( $P>0.05$ ).

**Summary:** Following each spray applications, all of the spray treatments provided significantly better control of DBM larvae compared to the untreated check. However, when averaged across all samples, Radiant, Exirel and Coragen provided the most consistent control of DBM larvae (see graph above). These results are consistent with other trials conducted at YAC this fall. All of the spray treatments provided comparable control of whitefly adults and were significantly lower than the untreated check (data not shown). Overall, Exirel Sivanto and Venom provided the most consistent adult Whitefly control.