

University of New Hampshire Sept 2014 - 17 NIFA Extension IPM Implementation Program

Report at NEPPSC Mtg, Dec 2015

We are now in our 2nd year of this 3-year project. Most of the work was in Specialty Crops and Public Health. Participants: Alan Eaton, George Hamilton, Cheryl Smith, Rachel Maccini.

Impacts: We helped growers reduce spotted wing drosophila damage to \$224,000 in 2014. It had been \$1.5m in 2012, and \$529,000 in 2013.

Apple growers saved \$100,000 in spray costs, and \$50,000 in fruit damage, compared to pre-IPM patterns. 2014 Sweet corn: Growers reduced spraying by 3.1 sprays/planting (\$42,000), and culling by \$82,000. 2014 Squash & pumpkin: spraying was reduced by 1.9 applications per planting (\$18,000). Tick IPM: 79% of audience members to tick lectures reported that the information helped them reduce their risk of acquiring tick-borne diseases. Over 97% said the lecture changed their behavior to reduce the risk of acquiring a disease.

Videos: 1) Air Blast Sprayer Pre-Calibration Instructions 6min. 2) The Airblast Sprayer Calibration Process. 6 min. 3) Airblast Sprayer Calibration: Educator Perspective. 8 min. Videos 1 to 3 are at: <http://extension.unh.edu/Training-Videos> 4) IPM impacts in NH. 7min.

<http://extension.unh.edu/Impact-Videos> **Publications:** Peach Tree Borers in New Hampshire.

Oct 20, 2014: http://extension.unh.edu/resources/files/Resource004332_Rep6190.pdf

Raspberry Crown Borer. Feb 19, 2015:

http://extension.unh.edu/resources/files/Resource004614_Rep6595.pdf Home Fruit Spray

Guide . June 8, 2015: http://extension.unh.edu/resources/files/Resource005256_Rep7402.pdf

Public Health IPM: We confirmed blacklegged tick from 19 new towns. We assisted NH Dept Health & Human Resources to produce the NH Tick-borne Disease Prevention Plan. We began major revisions to the tick biology publication, and the blacklegged tick map.