

including a first report of stripe rust for NE. Informational materials were distributed to 500 growers through the Northern Grain Growers Association newsletter and our website.

A field day held at Borderview Research Farm highlighted grain production and research. Leaf diseases and FHB issues were highlighted. Factsheets on stripe rust and info were distributed to 75 attendees.

Leaf diseases of perennial grass hay crops were assessed during the summer and fall on two grass species/cultivar trials.

A winter meeting in 2013 was held to highlight disease issues in corn, soybeans and grass hay crops. Leaf blights and molds as well as grass rust were the focus of the presentation. There were 82 attendees at the day-long workshop.

Consumer IPM

Ann Hazelrigg and Heather Carrington

Master Gardener Course ó 160 students are currently enrolled in the 13 week Master Gardener course. Three lectures specifically dedicated to basic IPM topics have been provided: Plant Pathology & IPM and Soil Science and Composting and Entomology.

Master Gardener Helpline ó Between April and December of 2013, 159 plant disease and insect specimens were routed through the helpline for identification and IPM recommendations.

During 2013, the Helpline volunteers assisted 1,029 callers with home horticulture questions, and answered 315 emails, using IPM as their guiding principle. Two advanced IPM trainings were provided for the Helpline volunteers and two new training webinars were provided and archived on the master gardener website for all volunteers.

- x Master Gardener Outreach ó In 2013, there were over 700 active EMG volunteers in Vermont who volunteer in a variety of vetted, science-based outreach programs all with a strong educational component based on IPM principles. Volunteers have reported 12,485 hours of education provided across the state. The value of these hours is \$276,418 (based on the Independent Sector valuation of a volunteer hour). These EMG volunteers are active in the state forming connections and linkages with schools, agricultural fairs, farmers markets, community gardens, prisons, libraries, hospitals, condo associations and garden centers. They educate Vermonters about garden and landscape pest identification and management using IPM strategies. The Senior/Key Person and MG Outreach Professional have provided three advanced IPM tr

