Biological Control

Rose-Strawberry Gardens to Enhance Parasitism of Leafrollers: A 5th Year Update

Tom Unruh and Cathy Peters
USDA-ARS, Wapato, WA

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Abstract: In 2005, we made 142 collections of leafrollers (LR) at 24 orchards from Oregon to northern Washington adjacent to experimental rose gardens harboring a non-pest LR, Ancylis comptana, that Colpoclypeus florus uses as an overwintering host. Significant parasitism by C. florus occurred in orchards adjacent to gardens established 2 or more years and spring parasitism led to higher summer parasitism ($P_{\text{summer}} = (3.4)P_{\text{spring}} + 27; R^2 = 0.6$). Four new gardens were planted, and 2005 and overall results were presented to growers at the Washington Horticultural Convention. C. florus accounted for 70% of spring and summer parasitism, compared to almost none prior to gardens.