

Chemical Control/New Products

NEW INSECTICIDE CHEMISTRIES FOR THE MANAGEMENT OF CODLING MOTH
AND LEAFROLLER

Jay F. Brunner and Michael D. Doerr

Washington State University, Tree Fruit Research and Extension Center, Wenatchee, WA

Keywords: chloronicotinyl insecticide, Assail, acetimidrid, Calypso, thiacloprid, Intrepid, methoxyfenozide, Esteem, pyriproxyfen, Proclaim, emamectin benzoate, Avaunt, indoxacarb, codling moth, *Cydia pomonella*, leafroller

Abstract: Several new insecticide chemistries have recently been approved or are in the registration process for use in Washington apple orchards. This list includes chloronicotinyls (Assail, acetimidrid; Calypso, thiacloprid), growth regulators (Intrepid, methoxyfenozide; Esteem, pyriproxyfen) and novel chemistries (Proclaim, emamectin benzoate; Avaunt, indoxacarb). These insecticides have been evaluated in field and laboratory trials for the control of many pests including codling moth and leafrollers. Potential implementation of these new insecticides to manage lepidopteran pests in Washington will be discussed.