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ONLINE IPM DECISION TOOLS IN THE NORTHWEST

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We provide an overview of online IPM decision tools for the NW as developed by members of the Oregon Statewide IPM Program, the Integrated Plant Protection Center (IPPC), and collaborators (<http://ippc.orst.edu>). Our long term goal is to develop and support truly integrated, interactive pest management decision support system (DSS) tools online. Projects include: 1) A comprehensive DSS for all crops, based upon the PNW (OR, WA, ID) plant disease, insect and weed management handbooks; 2) The "IPM Weather Data and Degree-Days" website, with more than 700 weather stations in six NW states linked to parameters for 44 models, daily downscaled degree-day maps, and a degree-day GIS/mapping calculator for site-specific predictions; 3) A web and email-based pest alert system for tree fruit and vegetable production in Oregon; 4) The Western Region Cutworm Monitoring Program, a developing 6-state network led by Montana State University (see <http://cutworm.org>), with online GIS mapping of adult and larval cutworm densities, degree-day predictions, and moisture effects combined as an expert system to produce risk maps for pale western and army cutworms; 5) A fully integrated DSS for peppermint (IPMP version 3.0), with tools for managing insect, nematode, disease, and weed pests in Oregon and Washington; and 6) A web portal to support the Pest Management Centers - Pacific NW Coalition (OR, WA, ID, UT, AK). Users may register to configure a "my IPM portal" page, with multiple "channels" of news and customized IPM information, for their own needs and interests.