



Integrated Pest Management Planning Worksheet
Support document: Washington Conservation Practice Pest Management 595

Client:	Farm # and Tract #:
Prepared By:	Fields:
Climate:	Date: Last updated and crop year -
Soil Descriptions:	Irrigated Y/N:
Cropping System Descriptions:	

The IPM planning Worksheet is a tool for Land Managers to improve success rate and sustainability of pest management for improving land use economics and environmental quality. The IPM plan is a growing document improves each year as technology, experience, pest populations and new research results develop over time. One goal is to integrate multiple strategies for managing identified pest problems rather than reliance on a single (silver bullet) approach. Integration is important because pest diversity and populations adapt and change. The Prevention, Avoidance and suppression techniques you adopt for your land use will impact the site specific resource concerns documented on the NRCS Pest Management 595 conservation practice standard Job sheet and specification.

Anticipated benefits for developing and maintaining an IPM plan include:

- Proactive management is more cost effective than reactive management.
- Changes in crop system may influence pest development that was normally avoided or prevented from occurring
- Integrating pest management techniques allows judicious use of chemical suppression techniques
- Multiple suppression techniques reduce the risk of pest adaptation and resistance to specific chemicals or methods.
- IPM strategy encourages Food and Agricultural product safety.

IPM plan Table of contents:

- Operation description and summary
- IPM Table 1. IPM Target Pests and Beneficial species
- IPM Table 2. IPM Monitoring Strategies and Treatment Thresholds
- IPM Table 3. IPM Prevention and Avoidance Techniques
- IPM Table 4. IPM Suppression Techniques – 1 (mechanical, biological, cultural)
- IPM Table 5. IPM Suppression Techniques – 2 (chemical)
- IPM Table 6. Example Record of Monitoring activities and results
- IPM Table 7. Example Record of Suppression Techniques applied
- IPM Table 8. IPM Review, Evaluation and Modification; References



Integrated Pest Management Planning Worksheet
Support document: Washington Conservation Practice Pest Management 595

IPM Table 3. IPM Prevention and Avoidance Techniques: For each Target pest listed in Table 1, document techniques to be used to **Prevent or Avoid** pest populations and/or infestations reaching planned treatment thresholds. Estimate the effectiveness of the proposed techniques at managing the pest population or infestation that you plan on. Crop profiles, PNW pest management handbooks and IPM center references provide examples.

Target pest	Prevention and Avoidance technique Descriptions	Expected Effectiveness



Integrated Pest Management Planning Worksheet
Support document: Washington Conservation Practice Pest Management 595

IPM Table 5. IPM Suppression Techniques – 2: Document the planned **chemical crop protection product** suppression techniques to manage target pest populations and/or infestations that increase above Treatment Thresholds defined in Table 2. Use of multiple suppression techniques including judicious use of Pesticides is common.

Target pest	Chemical suppression techniques Active Ingredient (AI), Timing and method, # of applications and lb/ac AI annually applied	Expected Control %



Integrated Pest Management Planning Worksheet
Support document: Washington Conservation Practice Pest Management 595

IPM Tables 8. IPM Review: Evaluate and Modify the current IPM plan. Experience and research is constantly improving and IPM plans should improve over time. Review what was done; what were the results; and what new or modified strategies should be included in the IPM plan.

Table 8a: Review target pests, beneficial species, pest ecology and production impact information. Update IPM plan Table 1 as needed.

--

Table 8b: Review monitoring techniques for each target pest and beneficial species. Evaluate the effectiveness of current treatment thresholds and update the IPM plan Table 2 as needed.

--

Table 8c: Evaluate the effectiveness of prevention and avoidance techniques used and update the IPM plan Table 3 as needed.

--

Table 8d: Evaluate the effectiveness of Biological, Mechanical, Cultural and chemical suppression techniques used. Update IPM plan Tables 4 and 5 as needed. Include improved timing, rates, application methods, equipment maintenance, chemical substitution information.

--



Integrated Pest Management Planning Worksheet
Support document: Washington Conservation Practice Pest Management 595

Table 8e: Update IPM reference List as needed to support your planned IPM strategies. List should include references to Guidance documents that are particularly useful to your site specific IPM strategies. Washington State University Extension is an excellent resource.

NATIONAL INFORMATION SYSTEM FOR THE REGIONAL IPM CENTERS: (<http://www.ipmcenters.org/pmsp/index.cfm>), Information related to IPM Programs, products and data sources as well as completed example Pest Management Strategic Plans (PMSPs) for many crops and target pests.

University of Idaho Pest Management website: (<http://www.ag.uidaho.edu/pmc/Pests/cropPests.htm>) , Biology, treatment options and some treatment threshold information for selected pests in several crop production systems..

Washington State Pest Management Resource Service (WSPRS): (<http://wsprs.wsu.edu/>), The Washington State Pest Management Resource Service (WSPRS) serves as a hub for research-based information about pest management practices, including both chemical and alternative control methodologies.

Crop Profiles are valuable sources for crop and pest specific IPM information, http://www.ipmcenters.org/cropprofiles/CP_form.cfm

Pacific Northwest Pest Management series. Current land grant university guidance for implementing components of IPM plans.

Washington State Department of Agriculture Home Page contains state laws and rules as well as management tools and information and record keeping forms. <http://agr.wa.gov/PestFert/Pesticides/default.htm>