



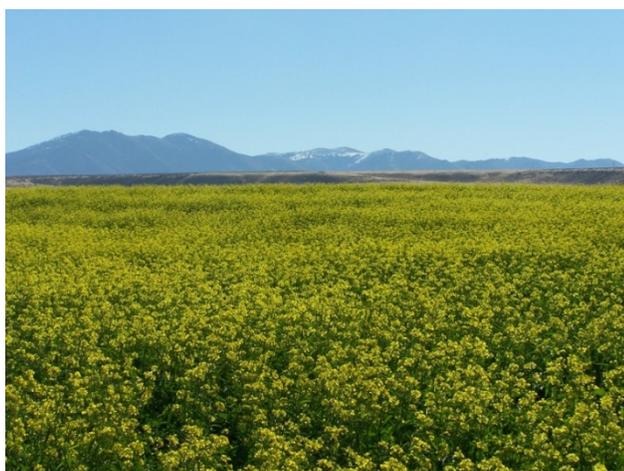
Integrated Pest Management (595) – IPM Plan Development and Implementation

Conservation Practice Jobsheet

ID 595-JS-12-1

Natural Resources Conservation Service

October 2012



Definition

A site-specific combination of pest prevention, pest avoidance, pest monitoring, and pest suppression strategies.

Purposes

Integrated pest management (IPM) is applied to:

- Prevent off-site pesticide risks to water quality from leaching, solution runoff and adsorbed runoff losses.
- Prevent off-site pesticide risks to soil, water, air, plants, animals and humans from drift and volatilization losses.
- Prevent on-site pesticide risks to pollinators and other beneficial species through direct contact.
- Prevent cultural, mechanical and biological pest suppression risks to soil, water, air, plants, animals and humans.

Where Used

When Integrated Pest Management techniques are used to mitigate environmental risk or prevent risk, an IPM plan will outline appropriate activities that support crop and pest specific management strategies.

General Requirements

- 1) A written IPM plan will identify target pests, and will include a scouting plan, at the minimum or basic level. Timing and frequency of scouting will be appropriate to the crop and pest, and will be documented in the plan. At the advanced level, it will also incorporate appropriate activities that include:
 - Prevention techniques such as cleaning equipment and using pest-free seeds and transplants, etc.
 - Avoidance techniques such as maintaining healthy soil biology and diverse plant communities, etc.
 - Non-chemical suppression methods, **when needed**, based on scouting and available economic thresholds.

The Idaho NRCS Checklist/Guidance for Integrated Pest Management may be used to document the IPM plan, as long as information and techniques selected have been properly referenced for specific crop/pest concerns.

- 2) Methods of pest management must comply with Federal, Tribal, State and local regulations.
- 3) Utilize IPM that strives to balance economics, efficacy and environmental risks. Consult the University of Idaho Extension Service and other reputable sources for crop specific IPM information.
- 4) Follow the attached Idaho Pest Management Worksheet identifying all required mitigations.
- 5) All methods of pest management must be integrated with other components of the conservation plan.





Integrated Pest Management (595) – IPM Plan Development and Implementation

Conservation Practice Jobsheet

ID 595-JS-12-1

Natural Resources Conservation Service

October 2012

Client _____

Location _____ Field(s) _____

County/SWCD _____ Farm/Tract No. _____

Prepared By _____ Date _____

CLIENTS ACKNOWLEDGEMENT STATEMENT:

The Client acknowledges that:

- a. They have received a copy of the specification (Idaho Pest Management Worksheet) and understand the contents and requirements for mitigation of identified resource concerns.
- b. The IPM plan will be developed based on University of Idaho and/or other reputable sources of information, and will be implemented as specified on the following page, based on level of management (basic, advanced) and type of operation (conventional, organic).
- c. They understand the required documentation of records, as outlined on the following page.
- d. It shall be the responsibility of the client to obtain all necessary permits and/or rights, and to comply with all ordinances and laws pertaining to the application of this practice.

Level of Management: Basic Advanced Advanced, Prevention/Avoidance

Accepted by:/s/ _____ Date: _____

CERTIFICATION:

I have completed a review of the information provided by the client and certify this practice has been applied.

Certification by:/s/ _____ Date: _____

Job title: _____

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center (202) 720 - 2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410, or call (202) 720-5964 (Voice or TDD). USDA is an equal opportunity provider and employer.

CLIENT INTEGRATED PEST MANAGEMENT RECORDS**IPM Plan Requirements:****Basic IPM Plan:**

1. Identification of target pest(s)
2. Scouting plan, based on University of Idaho Extension recommendations or other reputable source. Timing and frequency of scouting will be appropriate to the crop and pest, and will be documented in the plan.

Advanced IPM Plan:

1. Identification of target pest(s)
2. Scouting plan, based on University of Idaho Extension recommendations or other reputable source. Timing and frequency of scouting will be appropriate to the crop and pest, and will be documented in the plan.
3. Recommended prevention, avoidance, and non-chemical suppression techniques for specific crop/pests.

Required Records:**All Levels:**

- Scouting records and documentation of any economic thresholds used. Where economic thresholds are unavailable, documentation of why chemical suppression was needed.
- Map showing location of fields, acreage, beneficial insect habitat, pest pressures, etc.
- Pesticide environmental risk analysis tool that was used for any applied pesticides (WinPST within the Idaho Pest Management Worksheet).
- Pesticide application records, with any specific management techniques that were utilized to reduce pesticide environmental risk (i.e., spot treatment, banding, pheromone traps, pesticide incorporation, application timing, etc.).

Advanced Level:

- Pest suppression techniques, including cultural, biological, and physical methods, where used
- Documentation of prevention and avoidance techniques used.

Organic Production:

- For organic operations, records must demonstrate that NOP- allowed pest suppression materials were used only when all other techniques had been proven insufficient (per the NOP requirements).
- ***Organic producers can choose to rely primarily on Prevention and Avoidance techniques that minimize risk to all resource concerns, achieving a higher level of management.***

CLIENT INTEGRATED PEST MANAGEMENT RECORDS

NOTE: Although not required by NRCS, clients operating in compliance with the NOP regulations are additionally required to maintain the following:

- Updated Organic System Plan to comply with the NOP Regulation § 205.201.
 - National Organic Program regulation: § 205.103 Recordkeeping by certified operations.
- a. A certified operation must maintain records concerning the production, harvesting, and handling of agricultural products that are or that are intended to be sold, labeled, or represented as “100 percent organic,” “organic,” or “made with organic (specified ingredients or food group(s)).”
 - b. Such records must:
 - i. Be adapted to the particular business that the certified operation is conducting;
 - ii. Fully disclose all activities and transactions of the certified operation in sufficient detail as to be readily understood and audited;
 - iii. Be maintained for not less than 5 years beyond their creation; and
 - iv. Be sufficient to demonstrate compliance with the Act and the regulations in this part.

CLIENT INTEGRATED PEST MANAGEMENT RECORD WORKSHEET

The IPM plan must be followed in a manner that implements all the appropriate prevention, avoidance, and non-chemical suppression techniques applicable to the crop(s) to reduce the reliance on chemical suppression (or avoid chemical suppression in the case of organic operations). Chemical suppression will be recorded on the Pesticide Data Collection sheet attached, and all chemicals will be mitigated according to specifications in the Idaho Pest Management Worksheet.

IPM resources are provided in the appendix of the Idaho NRCS Checklist/Guidance for IPM.

Pests/Crop	Date/Timing/Season	Prevention, Avoidance, and Non-Chemical Suppression Techniques

Integrated Pest Management specialist consulted in developing the list above.

Cooperative extension CCA Other specialist(s) _____

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center (202) 720 - 2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410, or call (202) 720-5964 (Voice or TDD). USDA is an equal opportunity provider and employer.

CLIENT INTEGRATED PEST MANAGEMENT RECORD WORKSHEET

ORGANIC PREVENTION AND AVOIDANCE

It is recognized that in some situations, it will still be necessary to use suppression techniques due to conditions out of the control of the client. Therefore, if suppression is necessary the client will agree to use only the suppression techniques previously agreed to and only with the appropriate mitigation in place to meet the mitigation criteria of the IPM 595 practice standard. Agronomy Technical Note No. 5 has additional information relating to mitigation.

The previously agreed to suppression techniques are listed below and their accompanying mitigation(s) are listed in the attached print out of the mitigation worksheet.

Pests	Emergency Suppression Choice if Necessary	OMRI Listed or Certifier Approved?	Mitigation Needed?	
		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES, see attached Pest Management Worksheet
		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES, see attached Pest Management Worksheet
		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES, see attached Pest Management Worksheet
		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES, see attached Pest Management Worksheet
		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES, see attached Pest Management Worksheet

When preventative, avoidance, and/ or mechanical means of managing a weed, insect or disease pest is insufficient, a natural (non-synthetic) material may be applied. When this method is insufficient, an allowed synthetic material or approved non-synthetic material may be used if it is on the National List and if the conditions for using the substance are documented in the Organic System Plan.

Before making any changes to their Organic System Plan or applying any new inputs, producers should always check with their certifier.

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center (202) 720 - 2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410, or call (202) 720-5964 (Voice or TDD). USDA is an equal opportunity provider and employer.

