

Integrated Pest Management (IPM)

Virginia Conservation Practice Job Sheet

595



Definition

A site-specific combination of pest prevention, avoidance, monitoring, and suppression strategies (“PAMS”) that controls pests and prevents or mitigates risks to natural resources.

General Criteria Applicable to All Purposes

Develop a comprehensive IPM plan to document how pests will be managed as well as how site-specific risks to natural resources from planned pest management activities will be prevented or mitigated. The IPM plan must be crop- and/or land-use specific and consistent with Virginia Land Grant & Extension recommendations.

If a comprehensive IPM plan is not feasible, document at least one planned pest management activity and the techniques / practices that will serve to prevent / mitigate risks to natural resources from that pest management activity.

Additional Criteria to Prevent / Mitigate Off-Site Pesticide Risks to Water Quality from Leaching and/or Solution or Sediment Runoff

Use WIN-PST to assess potential risk to humans and fish from pesticide movement to water via three pathways – leaching, solution runoff, adsorbed (sediment) runoff.

Use WIN-PST results and the following table to determine minimum level of mitigation:

WIN-PST Identified Hazard Rating	Minimum Mitigation Index Score Required
Low or Very Low	None
Intermediate	20
High	40
Extra High	60

Using [Agronomy Tech Note 5, Pest Management in the Conservation Planning Process](#) (“Tech Note 5”), verify that the sum of mitigation scores from planned IPM techniques (Tech Note 5, Table 1) and conservation practices (Tech Note 5, Table 2) provide adequate mitigation.

Additional Criteria to Prevent / Mitigate Off-Site Pesticide Risks from Drift / Volatilization

For drift concerns, minimum mitigation score required is 20. Verify that the sum of mitigation scores from planned IPM techniques (Tech Note 5, Table 1) and conservation practices (Tech Note 5, Table 2) provide adequate mitigation.

For Volatile Organic Compound (VOC) emissions concerns, apply at least one technique from volatilization section (p. 6) of Tech Note 5.

Additional Criteria to Prevent / Mitigate On-Site Pesticide Risks to Pollinators / Non-Target Species through Direct Contact

For direct contact pesticide concerns for on-site pollinators or other non-target species, apply at least two techniques from the pesticide direct contact section (p. 6) of Tech Note 5.

Additional Criteria to Prevent / Mitigate Cultural, Mechanical, and Biological Pest Suppression Risks to Natural Resources

For natural resource concerns resulting from cultural, mechanical, or biological pest suppression methods (e.g., tillage, etc.), plan adequate conservation to achieve FOTG quality criteria for those concerns (e.g., “T” for erosion).

NOTE: This summary does not address all requirements and considerations in the VA IPM Standard (VA-595). Consult the Standard for further details.

General Information	
Client: _____	County: _____
Field Office: _____	Contract #: _____
Farm #: _____	Tract #: _____
Field # and acreage: _____	

Client's Purpose(s) (check all that apply)
<input type="checkbox"/> Prevent/mitigate off-site pesticide risk to water from leaching, solution runoff, or adsorbed runoff
<input type="checkbox"/> Prevent/mitigate off-site pesticide risks to S.W.A.P.A. from drift and/or volatilization losses
<input type="checkbox"/> Prevent/mitigate on-site pesticide risks to pollinators / non-target species through direct contact
<input type="checkbox"/> Prevent/mitigate cultural, mechanical, and biological pest suppression risks to S.W.A.P.A.

Practice Specifications

Follow all specifications and recommendations below for practice installation & implementation.

Comprehensive IPM Plan– See Attached (check box if applicable)

Standard recommends following whenever possible a comprehensive plan for prevention, avoidance, monitoring, and suppression of anticipated pests. The plan must be crop- and/or land use-specific and all pesticide, scouting, threshold, and other pest management elements of the plan must be consistent with Land Grant University and Extension recommendations.

Plan Map – See Attached

Standard requires a map showing the following minimum elements: (a) Fields or areas to be treated; (b) Soil types; (c) Location and type of sensitive resources and setbacks (if any).

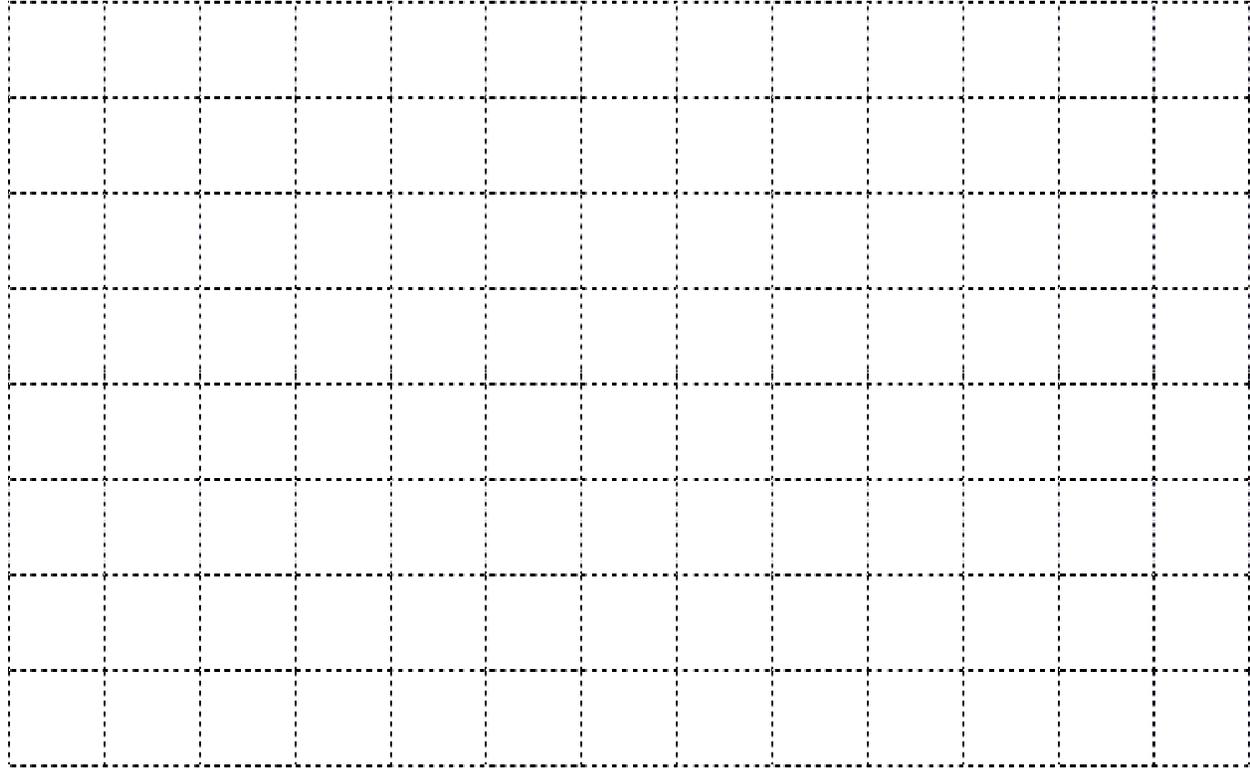
Pesticide Water Quality and/or Drift Concerns (if applicable)

List site-specific pesticide concerns for water quality and/or drift, WIN-PST output, planned mitigation, and mitigation index scores.

Planned pest management activity or pesticide use	Associated site-specific natural resource concerns					Planned Mitigation Techniques / Practices From Tech Note 5, Tables 1 & 2	Mitigation Index Score				
	WIN-PST Water Quality Hazard Ratings VL= very low; L = low; I = intermediate; H = high; EH = extra high						Drift Check if a concern	Leaching	Solution	Adsorbed	Drift
	Leaching	Solution Runoff	Adsorbed Runoff								
	Human		Human		Fish	<input type="checkbox"/>					
	Fish		Fish								
	Human		Human		Fish	<input type="checkbox"/>					
	Fish		Fish								
	Human		Human		Fish	<input type="checkbox"/>					
	Fish		Fish								
	Human		Human		Fish	<input type="checkbox"/>					
	Fish		Fish								

If needed, an aerial view or a side view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

Scale 1"= _____ ft. (NA indicates sketch not to scale: grid size=1/2" by 1/2")



Additional Specifications and Notes:

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