

# IPM PMSP Document Guidelines

## 1. Title

[CP or PMSP] for [Crop] in [State]  
Date Completed or Date Revised (include Original Date Prepared)  
Sponsored by [Region] IPM Center, funded by USDA-NIFA

## 2. People

Identify document contact, commodity experts within your state, list of participants, affiliations, and acknowledgements

- a. Role (Contact, Contributor, Author, Editor, etc)
- b. Prefix (Dr., Mr., Mrs., Ms., Miss)
- c. Name
- d. Institution
- e. Department
- f. Specialty
- g. Extension
- h. City and State
- i. Email
- j. Phone
- k. Profile URL

## 3. Workshop

- a. Location
- b. Date
- c. Description

## 4. IPM Overview

- a. Description

## 5. Priorities / Critical Needs

- a. Rank
- b. Type (Research, Regulatory, Education)
- c. Priority

## 6. Production Facts

- a. Citation
- b. Production Year
- c. State ranking in national production
- d. State contribution to total US production (%)
- e. Acres Planted
- f. Acres Harvested
- g. Cash Value
- h. Annual Production Costs
- i. Export Markets
- j. Number of Growers
- k. Unit (Acres, Tons, Bales, etc.)
- l. Comments

m. Economics

7. Production Areas

Identify the counties and describe any production differences in the counties.

- a. Counties
- b. Description

8. Production Practices

Describe any regional differences, IPM strategies, and economics of pest management.

- a. Practice (e.g. plowing, tillage, crop rotation, irrigation methods, planting dates, seeding rates, fertilizer rates, planting depth, etc.)
- b. Description
- c. Identify Worker Activities (e.g., hand weeding, pruning, thinning, spot-treating, mowing, hand-harvesting, hand pollination, etc.)
- d. Re-Entry Intervals (REIs)

9. Pests

- a. Category (Diseases, Insects, 1-Abiotics, Weeds, Wildlife, Nematodes)
- b. Scientific Name
- c. Common Name
- d. Group (Major or Minor)
- e. Order
- f. Description
- g. Frequency of Occurrence
- h. Damage Description
- i. Percentage of Acres Infested per Growing Season/Cycle
- j. Yield Losses Attributed to Each Pest
- k. Regional Differences
- l. Photo
- m. Critical Timing of Control Measures
- n. Effects on Beneficials and Pollinators

10. Chemical Controls

For each pest discussed above, identify the active ingredients that are used to manage that pest.

- a. Pest
- b. Product name
- c. Formulations
- d. Percent Crop Treated
- e. Application Method (e.g. Aerial, ground, chemigation, banded, broadcast, in-furrow, etc.)
- f. Typical Application Rates
- g. Typical Number of Applications / Growing Season or Cycle
- h. Timing in Crop Stage
- i. Typical Pre-Harvest Intervals (PHI)
- j. Typical Restricted Entry Intervals (REIs)
- k. Efficacy Issues per Active Ingredient
- l. Expert Comments

- m. Identify use of chemical in IPM programs
- n. Identify use of chemical in resistance management programs.
- o. Pros/Cons
- p. Toxicity to Beneficials

## 11. Biological Controls

Discuss any biological control programs that are relevant for the pest/commodity, include pheromone use if applicable.

## 12. Cultural Controls

Identify and discuss any cultural practices (e.g. planting dates, resistant varieties, row spacing) used to manage the pests.

## 13. Physical Controls

Discuss any physical control programs that are relevant for the pest/commodity.

## 14. Post-Harvest Controls

Discuss any post-harvest management practices that are relevant for the pest/commodity; include storage treatments.

## 15. Pre-Harvest Controls

Discuss pre-harvest practices that are used for pest management, include storage treatments.

## 16. Alternative Controls

Discuss availability and efficacy issues associated with the alternatives for the pest/pesticide combinations discussed above.

## 17. Efficacies

- a. Pest
- b. Control
- c. Efficacy Code (E = excellent, G = good, F = fair, P = poor, N = no control, - = no information or not registered)
- d. Comments

## 18. Timelines

- a. Type (Chemical Control, Crop Growth Stage, Non-Chemical Control Stage, Pest Occurrence, Worker Activity)
- b. Month/Week (J1, J2, J3, J4 ... D1, D2, D3, D4)
- c. Crop/Life Stage

## 19. References

## 20. Photos

- a. Attach Digital Image Files (jpg, gif, png)
- b. Citation (photographer, organization, and date if available)

Send to your regional IPM Center personnel. Your regional IPM Center contact will review to make sure all required components are included before sending the IPM document to be published on the website.

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