Pest Management Strategic Plan (PMSP) Guidelines

Welcome to the National IPM Database website application https://ipmdata.ipmcenters.org/.

The National IPM Database is an actively dynamic application that is continuously enhanced.

Thank you for working with us to deliver important and current IPM data.

We welcome feedback and suggestions.
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Login

You will be invited to be an editor of a Pest Management Strategic Plan (PMSP). You will receive an email with login instructions to reset your temporary password. Click on the link inside the email, and it will redirect you to the screen to reset your password. Once you reset the temporary password, you will login to the website application: https://ipmdata.ipmcenters.org/.

In the upper right-hand corner, select the Login button and login with your new password.
Once you login, you will see a list of the source documents that you have access rights to. Select the pencil icon in the left-hand Select column in the row of the document you want to access.

You will be brought to the Report view of the document source. Each section of the PMSP is listed in the left-hand navigation menu.
Sections

Each section can be checked for it to appear in the report. Sections can be published as they are completed, while other sections are continuing to be developed.

Notes

Notes can be added to each section for internal usage only. Notes are not published in the report.
Source

Source information is usually set up by the Administrator. The editor does have rights to make modifications to the source type, title, setting/crop, state(s), editors, contacts, contributors, url, uploaded PDF document, and description.

Once the crop profile is complete, on the Source page, the Status should be changed to “Submit for Approval” and saved to send it to the Regional Director for final approval and publication.
PDF Document

Before the National IPM Database website application was developed, crop profiles were saved as PDF documents and uploaded to the website. Currently, the data is entered into the website application. A PDF document can then be generated from the information entered into the website application. If a PDF document is uploaded, it is embedded and viewable.

Settings/Crops

The Settings/Crops section is where the crops/settings related issues are described. It includes the crop stages, the number of crop cycles per year, the schedule of rotation, and the soil types.
Background

Background information is where the general background description, pest management summary, and regulatory summary are entered.

Priorities

Extension/Outreach, Regulatory, and Research priorities are listed in this section.
Worker Activities

The Worker Activities section is where worker activities (e.g., hand weeding, pruning, thinning, spot-treatment, mowing, hand harvesting, and hand pollination, etc.) are described.

Production Practices

The Production Practice section is where regional differences, IPM strategies, and economics of pest management is described.
Production Counties

Production Counties is where the crop/setting county locations are selected. A map will be generated in the report that can be downloaded and saved to the generated pdf report.

Production Facts

Production statistics can be found from the United States Department of Agriculture National Agricultural Statistics Service (NASS) for each state. This section should include general production statistics (e.g., acres, number of farms, crop value, % US production, crop varieties).
IPM Practices

Pollinator Protection
Pests

Pests are subcategorized by pest type. Select the button for the pest type.

The overall description for the pest type can be entered in the description.
Pests can be added by selecting those already entered in the National IPM Database. If they are not in the database, then the Bugwood database can be searched by scientific name and then common name. If a pest is not included in either of these sources, then a request may be made to add the pest in the form below.

Once a pest has been added to the source document, detailed information can be added for that pest. Under Added Pests, select the checkbox to the left of the pest to edit.
Specific pest biological controls are entered here.

Specific pest cultural controls are entered here:
Specific pest physical controls are entered here:

Specific pest chemical controls are added here, however, they must first be added under Chemical Controls.
Beneficials

Beneficials are added here.

Biological Controls

The general Biological Control section is for programs not included in individual pest controls. Include pheromone use if applicable.
Cultural Controls

General cultural practices (e.g., planting dates, resistant varieties, row spacing, etc.) used to manage pests that are not included in the individual pest controls are entered here.

Physical Controls

General physical control programs that are not included in the specific pest physical control section are included here.
Chemical Controls

Chemical Controls identify the active ingredients (AI) and AI mixtures that are used to manage pests. Chemicals are categorized by type of active ingredient. Select the button for the type of chemical. Once active ingredients are added in this section, they can be selected for specific pests in the Pest Section. The general description of the chemical type is added under Description/Remarks.

Active ingredients (AI) and AI Mixtures can be selected from the AI and AI Mixture checklists already in the National IPM Database.
If the AI and AI Mixture is not in the AI Checklist, then it can be added by searching the NPIC Database.

Once the AI has been added to the source document, detailed information can be added to that chemical control. Under Added Chemical Controls, select the checkbox to the left of the AI/AI Mixture to edit.
Pests can be selected that the AI/AI Mixture is used to control by selecting the Pest Checklist button and checking the pest(s).

Once the pest is selected for the AI control, it will show up as selected in the Pest Section for that specific pest.
Once the pest/AI has been entered, details about the Active Ingredient can be entered for that specific pest (i.e., efficacy, application method used, percent of crop treated, application rates, application timing, number of applications per growing season, intervals between applications, pros/cons, and advantages/disadvantages.

Efficacy

Efficacy of each active ingredient on each pest is entered here.
Resistance Management

If the crop has any noticeable resistance issues, it is entered here.

Toxicity

Toxicity of the Active Ingredients to the beneficials is listed here.
Timelines

The Production Practice, Pest Occurrence, Crop Growth Stage, Chemical Control, and Worker Activity Timelines are entered here. The chemicals will be populated from the active ingredient entries.

References

References should be cited.
Acknowledgments

Acknowledgments may be added here.