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| USDA-Natural Resources Conservation Service | NE-CPA-39 Rev. 8/11 |

# INTERGRATED CROP MANAGEMENT

# JOB SHEET - IPM (595)

***SITE INFORMATION***

|  |  |  |  |
| --- | --- | --- | --- |
| Producer |  | County |  |
| FSA Tract No. |  | Acres |  |
| FSA Field No. |  | Crop |  |

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***PESTICIDE APPICATION SKETCH -*** Attach Map or Sketch Each Application Area to the Right 🡺🡺

**Legal Description**: \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_N, Range \_\_\_\_\_ E or W, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_County

*To conduct a WIN-PST analysis:*

1. *Choose all the major soil types for the field or planning area (generally those that cover 10% or more of the area).*
2. *Choose all the pesticides that the client is planning to use.*
3. *Analyze the results for each soil/pesticide interaction. Print a hard copy of all the WIN-PST soil/pesticide combinations completed for the clients folder.*
4. *Then select the highest hazard soil/pesticide combination for the identified natural resource concerns to plan appropriate mitigation. In the space below, provide the following information based on the highest hazard soil/pesticide combination.*

***PESTICIDE APPLICATION INFORMATION***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Planned Actions (1)** | | | | **\*Actual (2)** | | | | **\*Plan Revision/Notes (3)** |
| **Soil Type Unit (4)** |  | | | |  | | | |  |
| **Target P****est (5)** |  | | | |  | | | |  |
| **Pesticide (6)** |  | | | |  | | | |  |
| **Application Rate (7)** |  | | | |  | | | |  |
| **Time and Method (8)** |  | | | |  | | | |  |
|  |
| **Analysis Tool (9)** |  | | | |  | | | |  |
| **Leaching Potential & Hazard Rating (10)** | Leaching | Human | | Fish | Leaching | Human | | Fish |  |
|  |  | |  |  |  | |  |
| **Solution Runoff Potential & Hazard Rating (11)** | Solution | Human | | Fish | Solution | Human | | Fish |  |
|  |  | |  |  |  | |  |
| **Adsorbed Runoff Potential & Hazard Rating (12)** | Adsorbed | | Fish | | Adsorbed | | Fish | |  |
|  | |  | |  | |  | |
| **Minimum Mitigation Index Score Level Needed (13)** |  | | | |  | | | |  |
| **Mitigation Techniques (14)** |  | | | |  | | | |  |
| ***(****NOTE: Records must be maintained for 3 years)*  ***\*This practice has been applied as designed. (Client’s Signature)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Date) \_\_\_\_\_\_\_\_\_*** | | | | | | | | | |

**PEST MANAGEMENT INSTRUCTIONS**

***References***: Current University of Nebraska Cooperative Extension Guide for Weed Management in Nebraska

And Insect Management Guide(s) for appropriate crops

***Steps to Consider When Developing a IPM Management Plan:***

Refer to Nebraska Conservation Planning Sheet No. 10, Cooperative Extension Guide for Herbicide Use in Nebraska and Insect Management Guide (for current year) for additional guidance.

***General Instructions / Description for Numbered Items:***

1. ***Planned Actions***
   1. All entries in this column detail the planned IPM for the current crop year.
2. ***Actual:***
   1. All entries in this column are for recording the actual IPM carried out.
3. ***Plan Revision Comments:***
   1. Explain any deviations from planned actions or special comments supporting pesticide program.
4. ***Soil Unit Type***
   1. Provide the soil type for the highest hazard soil/pesticide combination for the natural resource concern determined by WIN-PST.
5. ***Target Pest:***
   1. Record known weed(s) or insect(s) being treated based on history (pre-emergent treatments) and/or scouting (post-emergent).
   2. If actual weed(s) or insect(s) that are present are different than planned, record weed(s) or insect(s) to be treated.
   3. Explain any deviations from planned actions or special notes/comments supporting pesticide program.
6. ***Pesticides***
   1. Record the name of the pesticide applied as it appears on the label.
7. ***Application Rate:***
   1. Record the application rate per acre in pints, quarts, ounces, or pounds as appropriate.
8. ***Time of Application and Method:***
   1. Describe when the pesticide will be applied (pre-emergent, post-emergent, pre-plant, etc.) and method (banded, broadcast/surface, aerial, broadcast/incorporated, etc.).
9. ***Analysis Tool: NRCS Windows Pesticide Screening Tool (WIN-PST) – Always use the most recent version.***
   1. Record the analysis tool used to evaluate the potential loss of pesticides to surface & groundwater and the negative impacts to humans, plants, & animals.
   2. The UNL WEEDSOFT Program can be substituted for leaching loss potential when runoff solution/adsorbed is not a concern on the site.
10. ***WIN-PST Soil / Pesticide Interaction Leaching Potential and Hazard Rating:***
    1. Record the leaching potential based on the Soil / Pesticide Interaction Report from WIN-PST and the hazard rating for human and fish.
11. ***WIN-PST Soil / Pesticide Interaction Runoff Potential and Hazard Rating:***
    1. Record the Solution Runoff Potential based on the Soil / Pesticide Interaction Report from WIN-PST and the hazard rating for human & fish.
12. ***Soil / Pesticide Interaction Adsorbed Runoff Potential & Hazard Rating*** 
    1. Record the Adsorbed Runoff Potential based on the Soil / Pesticide Interaction Report from WIN-PST for human & fish.
13. ***Minimum Mitigation Index Score Level Needed***
    1. Record the Mitigation Index Score Level based on the highest hazard rating for the resource of concern from the table below (provided from Standard 595).

|  |  |
| --- | --- |
| **WIN-PST Identified Hazard Rating** | **Minimum Mitigation Index Score Level Needed** |
| Low or Very Low | None Needed |
| Intermediate | 20 |
| High | 40 |
| Extra High | 60 or more |

1. ***Mitigation Technique:***
   1. Mitigation technique(s) shall be developed for the highest hazard soil/pesticide combination for the identified natural resource concern(s).
   2. Record the mitigation technique (s) needed to satisfy the Hazard Rating (refer to NE Tech. Note 110 Tables I & II).
   3. The mitigation technique(s) planned must not already be accounted for in the risk assessment.