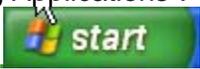


WIN-PST 3.0 Getting Started Guide

Welcome to the Windows Pesticide Screening Tool version 3.0. This document is designed to introduce you to version 3.0, by having you go through the basic steps necessary to create Loss and Hazard reports.

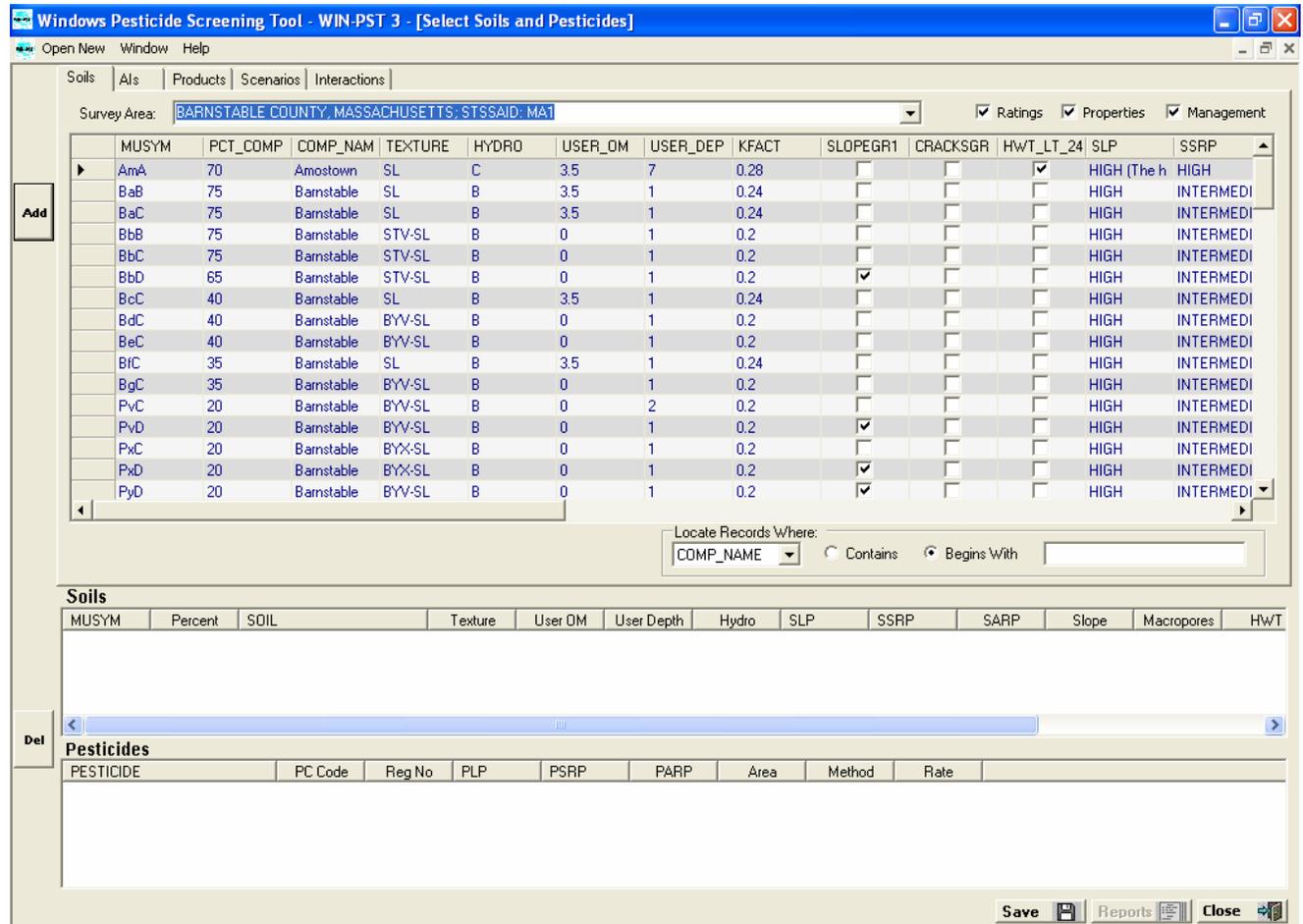
Step 1: Starting WIN-PST 3.0

WIN-PST 3.0 is found off the Start Menu under “Engineering Applications”.

- 1). Go to the “Start” button at the bottom left of your screen. 
- 2). Go to **All Programs -> Engineering Applications -> Win-Pst 3** and left click on **Win-Pst**

The following screen will appear:

Select Soils and Pesticide Window – After Installation – MA Soils



The screenshot shows the 'Select Soils and Pesticides' window. The 'Survey Area' is set to 'BARNSTABLE COUNTY, MASSACHUSETTS; STSSAID: MA1'. The main table lists various soil types with their properties. Below the table, there are sections for 'Soils' and 'Pesticides'.

MUSYM	PCT_COMP	COMP_NAM	TEXTURE	HYDRO	USER_OM	USER_DEP	KFACT	SLOPEGR1	CRACKSGR	HWT_LT_24	SLP	SSRP
AmA	70	Amostown	SL	C	3.5	7	0.28			<input checked="" type="checkbox"/>	HIGH (The h	HIGH
BaB	75	Barnstable	SL	B	3.5	1	0.24				HIGH	INTERMEDI
BaC	75	Barnstable	SL	B	3.5	1	0.24				HIGH	INTERMEDI
BbB	75	Barnstable	STV-SL	B	0	1	0.2				HIGH	INTERMEDI
BbC	75	Barnstable	STV-SL	B	0	1	0.2				HIGH	INTERMEDI
BbD	65	Barnstable	STV-SL	B	0	1	0.2	<input checked="" type="checkbox"/>			HIGH	INTERMEDI
BcC	40	Barnstable	SL	B	3.5	1	0.24				HIGH	INTERMEDI
BdC	40	Barnstable	BYV-SL	B	0	1	0.2				HIGH	INTERMEDI
BeC	40	Barnstable	BYV-SL	B	0	1	0.2				HIGH	INTERMEDI
BfC	35	Barnstable	SL	B	3.5	1	0.24				HIGH	INTERMEDI
BgC	35	Barnstable	BYV-SL	B	0	1	0.2				HIGH	INTERMEDI
PvC	20	Barnstable	BYV-SL	B	0	2	0.2				HIGH	INTERMEDI
PvD	20	Barnstable	BYV-SL	B	0	1	0.2	<input checked="" type="checkbox"/>			HIGH	INTERMEDI
PxC	20	Barnstable	BYX-SL	B	0	1	0.2				HIGH	INTERMEDI
PxD	20	Barnstable	BYX-SL	B	0	1	0.2	<input checked="" type="checkbox"/>			HIGH	INTERMEDI
PyD	20	Barnstable	BYV-SL	B	0	1	0.2	<input checked="" type="checkbox"/>			HIGH	INTERMEDI

Soils

MUSYM	Percent	SOIL	Texture	User OM	User Depth	Hydro	SLP	SSRP	SARP	Slope	Macropores	HWT

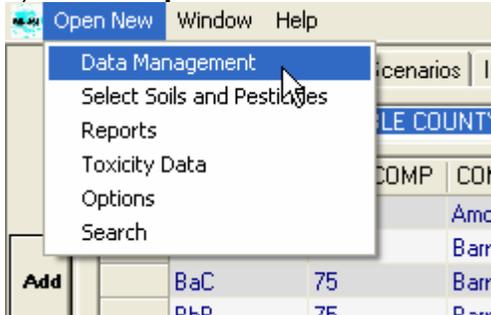
Pesticides

PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Area	Method	Rate

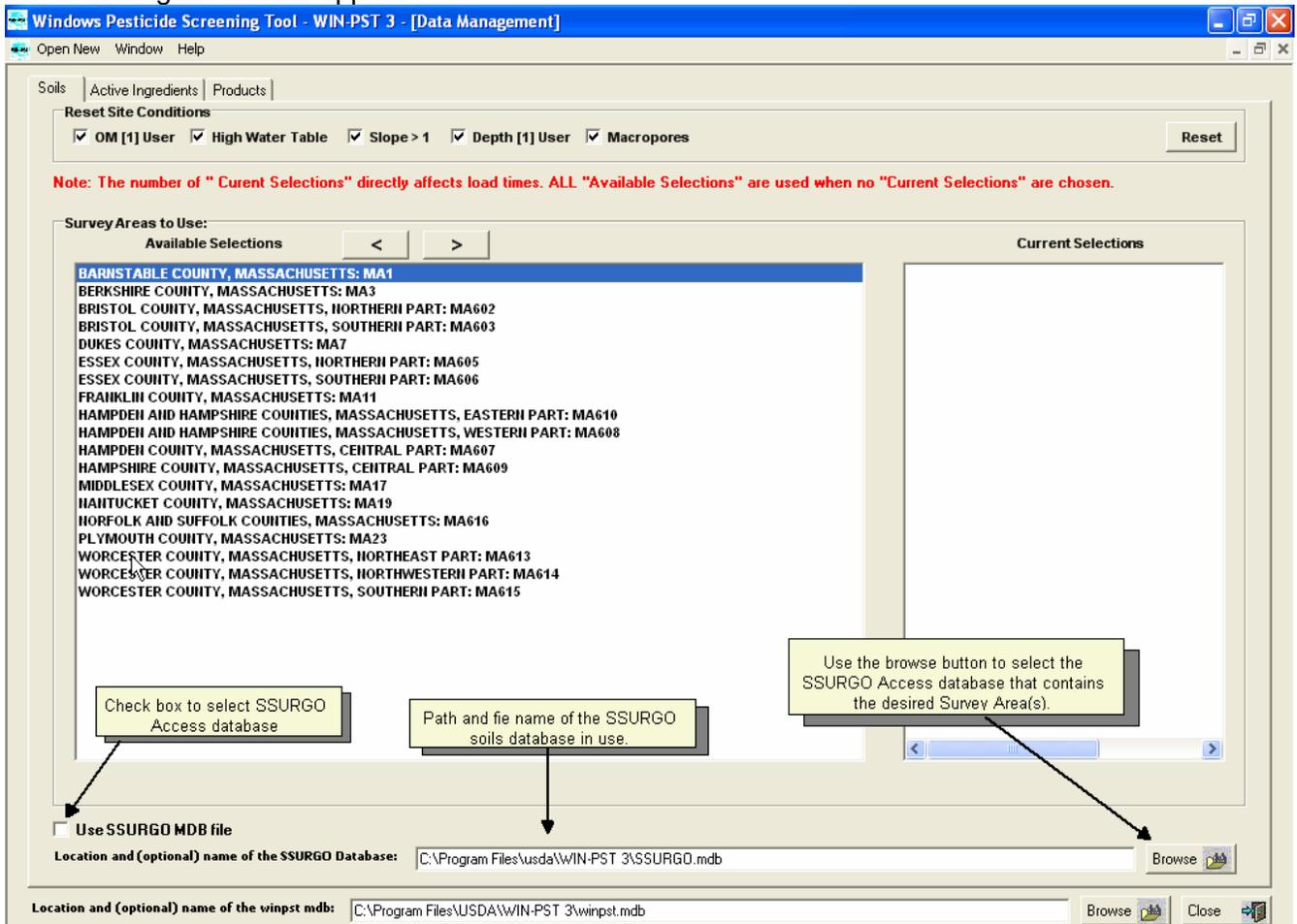
Don't Panic! You are supposed to see Massachusetts soils when you start the tool for the first time (WIN-PST was originally developed in Massachusetts).

Step 2: Changing soils databases

1). Go to “Open New” -> “Data Management”



The following screen will appear:



2). Click on the box to the left of the text “Use SSURGO MDB file”.



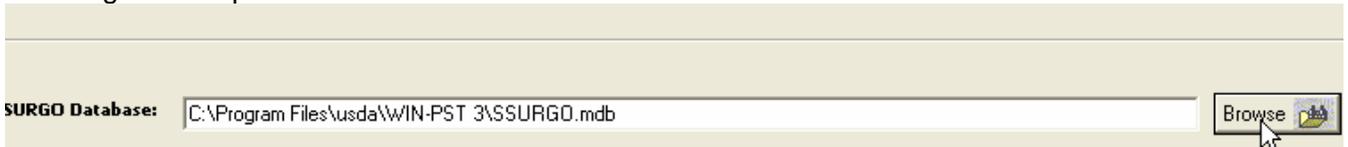
This will place a check in the box.



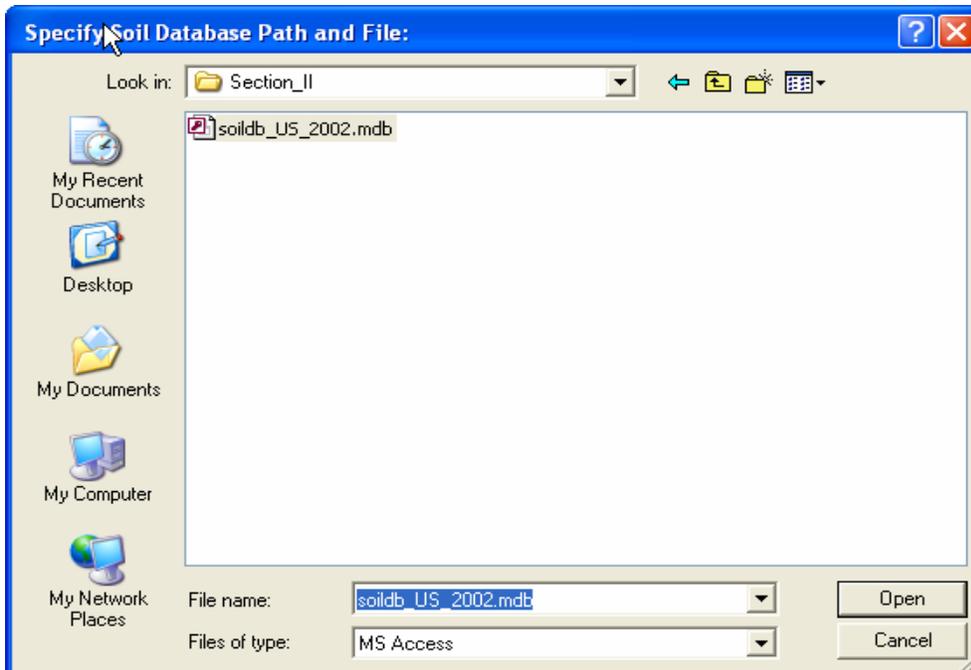
This will enable WIN-PST to get soils data directly from the SSURGO Access template.

When this box is checked for the first time you will see an error message stating that WIN-PST cannot find “C:\Program Files\usda\WIN-PST 3\SSURGO.mdb” This is OK. There is no “SSURGO.mdb” in the WIN-PST folder; you have to find your SSURGO database.

3a). Browse to the folder that contains the SSURGO database, using the  button to the right of the path and filename.



When you press the browse button, a window will appear that will allow you to browse to the folder with your data. The capture below shows the SSURGO database in Section II of the Field Office Tech Guide.



The SSURGO database is the soils data source for the Tool Kit and is typically found in Section II of the Field Office Guide (C:\Field_Office_Tech_Guide\Section_II). For those offices that don't have Section II on their computer and partners, they can download the soils data from the Soil Data Mart (<http://soildatamart.nrcs.usda.gov/>). The SSURGO database can be placed anywhere on your computer. Make sure that if you have a laptop, that you don't put it on a remote shared drive that is not available when you are not connected to the LAN (Local Area Network.)

3b). Click on the desired SSURGO database. Typically the database is named soildb_US_2002.mdb although it can have other names such as soildb_US_2000.mdb and soildb_US_97.mdb. WIN-PST 3.0 should be able to deal with all current Access versions of the database. Certain states (AK, CO, DE, GA, ID, etc.) may have their own version of the database. Those states will have their state's abbreviations instead of "US" in the file name.

If you have selected a SSURGO database that contains one survey area (typical for NRCS Field offices) you don't need to do anything else. Skip to 5.

4). *Skip if you have only one Survey Area.* If you have a SSURGO database that includes multiple Soil Survey Areas (for example an entire state) you may want to choose one or two soils survey areas (steps 4a and 4b below). For this example, I chose a SSURGO database that has all of the survey areas in VT.

4a). choose one or two Survey Areas.

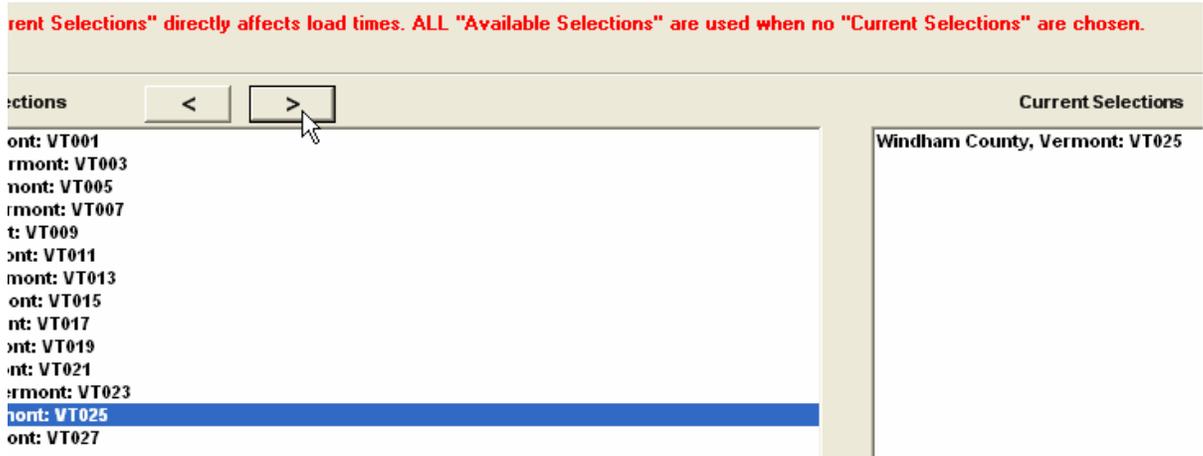
Note: The number of " Current Selections" directly affects load times. ALL

Survey Areas to Use:

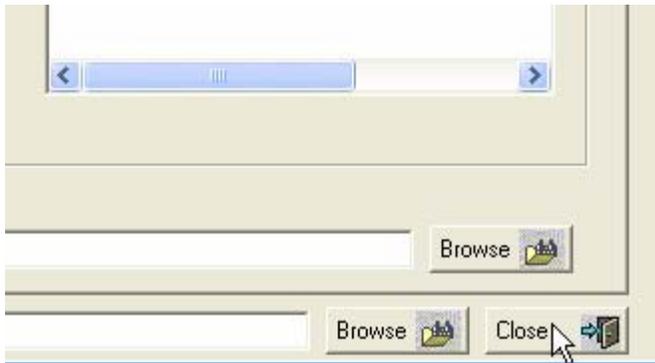
Available Selections < >

- Addison County, Vermont: VT001
- Bennington County, Vermont: VT003
- Caledonia County, Vermont: VT005
- Chittenden County, Vermont: VT007
- Essex County, Vermont: VT009
- Franklin County, Vermont: VT011
- Grand Isle County, Vermont: VT013
- Lamoille County, Vermont: VT015
- Orange County, Vermont: VT017
- Orleans County, Vermont: VT019
- Rutland County, Vermont: VT021
- Washington County, Vermont: VT023
- Windham County, Vermont: VT025**
- Windsor County, Vermont: VT027

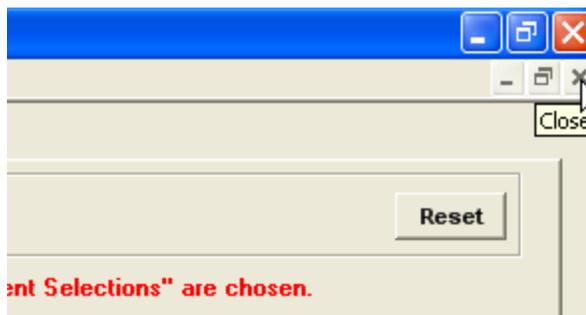
4b). move them to the right panel (Current Selections) using the right direction button.



5) Close "Data Management" window with either the Close button  at the bottom right of the window

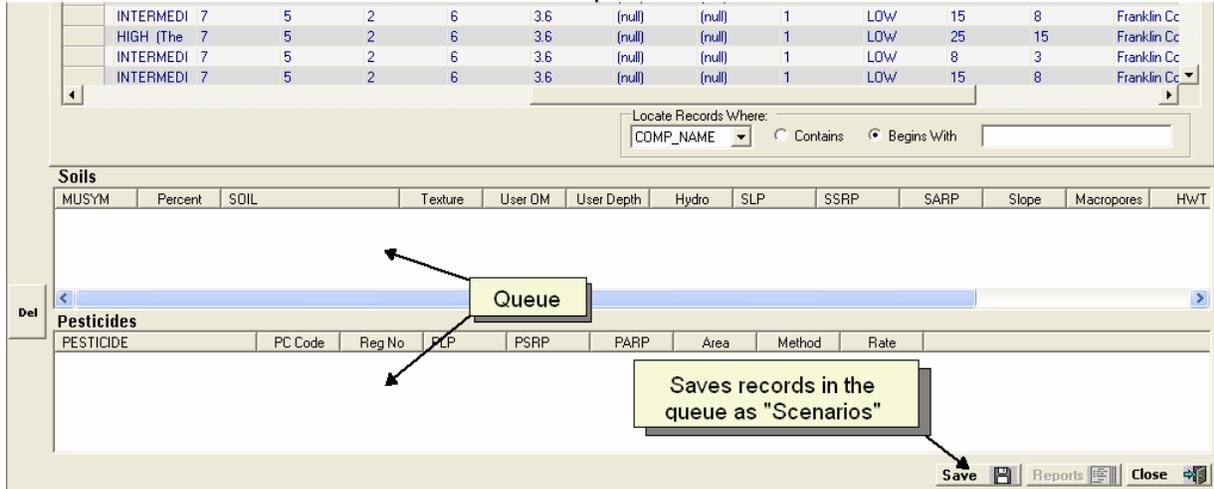


or, the smaller black x (below the bigger white x in the red box) at the top right of the data management screen



Selecting Soils and Pesticides

A new feature added to WIN-PST 3.0 is the “queue”.



When you select a soil or pesticide and click on the “Add” button, it will add that soil or pesticide to the queue. Records in the queue can be saved and recalled at a later date. This allows WIN-PST 3.0 users to save “scenarios” (e.g., a combination of soils and pesticides) for any number of purposes, most obviously for individual producers' unique soils and pesticide combinations. Another purpose might be to create and save scenarios based on common resource areas. In addition, groups of pesticides can be created (for example all the pesticides recommended by Extension for a specific crop and pest) and saved without linking them to soils. Likewise, a set of soils can be added to the queue and saved independent of pesticides.

The queue also allows users to add the same soils and/or pesticides (both active ingredients and products) with different managements or in the case of soils, OM% and surface layer depths. Previously, version 2.0062B required that a new report be run for the same pesticide or soil under different management conditions.

Step 3: Selecting soils and adding them to the queue.

1) Select a soil from the grid by clicking on the gray area to the left of the desired row

	MUSYM	PCT_COMP	COMP_NAM	TEXTURE	HYDRO	USER_OM	USER_DE
AfA	80	AGAWAM	FSL	B	3	11	
AfB	80	AGAWAM	FSL	B	3	11	
AfC	80	AGAWAM	FSL	B	3	11	
AfD	80	AGAWAM	FSL	B	3	11	
AgA	80	AGAWAM	FSL	C	3.5	8	
AgB	80	AGAWAM	FSL	C	3.5	8	
AgC	80	AGAWAM	FSL	C	3.5	8	
BaA	85	BELGRADE	SIL	B	3	8	
BaB	85	BELGRADE	SIL	B	3	8	
BbB	75	BERKSHIR	FSL	B	3.5	8	
BbC	80	BERKSHIR	FSL	B	3.5	8	
BbD	80	BERKSHIR	FSL	B	3.5	8	
BcB	75	BERKSHIR	FSL	B	3.5	8	
BcC	80	BERKSHIR	FSL	B	3.5	8	

2) Click the “Add” button.

	MUSYM	PCT_COMP	COMP_NAM	TEXTURE	HYDRO	USER_OM	USER_DE
AfA	80	AGAWAM	FSL	B	3	11	
AfB	80	AGAWAM	FSL	B	3	11	
AfC	80	AGAWAM	FSL	B	3	11	
AfD	80	AGAWAM	FSL	B	3	11	
AgA	80	AGAWAM	FSL	C	3.5	8	
AgB	80	AGAWAM	FSL	C	3.5	8	
AgC	80	AGAWAM	FSL	C	3.5	8	
BaA	85	BELGRADE	SIL	B	3	8	
BaB	85	BELGRADE	SIL	B	3	8	
BbB	75	BERKSHIR	FSL	B	3.5	8	
BbC	80	BERKSHIR	FSL	B	3.5	8	
BbD	80	BERKSHIR	FSL	B	3.5	8	

This will add the selected soil to the queue:

Soils							
MUSYM	Percent	SOIL	Texture	User DM	User Depth	Hydro	
BaA	85	BELGRADE	SIL	3	8	B	

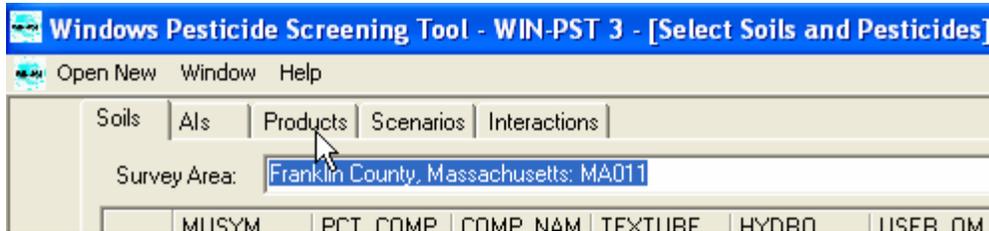
Pesticides							
PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Are.	

To select more soils use the same technique. To select multiple soils at a time WIN-PST uses standard Microsoft Windows key and mouse combinations; use the shift or control button in addition to a left mouse click. [Shift] - [Left Click] allows for blocks of contiguous soils to be selected. To select non-contiguous soils use [Control] - [Left Click]. For instance, left-clicking BaA and then SHIFT-clicking BbC will select the RANGE BaA *through* BbC while-left clicking BaA and then CONTROL-clicking BbC will select BaA *and* BbC but not the soils in between.

Step 4: Selecting Pesticides

You can select pesticides by either active ingredient or product. Most NRCS field office users will select pesticides based on product name.

- 1) To select pesticide products, choose the "Products" tab.



You will reveal the Product grid (Note that the queue [not shown below] remains visible no matter what tab you are in).

Name	EPA Reg. No.	PC_Name	PC_Code	PC_Pct	APP_AREA	APP_METH	APP_RATE
" TITAN 2-2 "	72592-1	Permethrin, mixed cis,trans (ANSI)	109701	2	Broadcast	Surface Applied	Standard
" TITAN 2-2 "	72592-1	Piperonyl butoxide	067501	2	Broadcast	Surface Applied	Standard
"0007" VEGETATION KILLER	6186-52	Prometon (ANSI)	080804	1.5	Broadcast	Surface Applied	Standard
"ACME CRABGRASS KILLER"	2217-630	MSMA	013803	16.6	Broadcast	Surface Applied	Standard
"ALL-5" WEED KILLER	3837-24	2,4-D, 2-ethylhexyl ester	030063	1.09	Broadcast	Surface Applied	Standard
"ALL-5" WEED KILLER	3837-24	Bromacil (ANSI)	012301	0.61	Broadcast	Surface Applied	Standard
"ANT COPS"	3095-24	Borax (B4NA2O7.10H2O) (1303-96-4)	011102	5	Broadcast	Surface Applied	Standard
"ANT COPS"	3095-24	Boric acid	011001	4	Broadcast	Surface Applied	Standard
"AS IS"	3862-28	Malathion (ANSI)	057701	2.5	Broadcast	Surface Applied	Standard
"ATTACK"	10807-150	Fenvalerate	109301	0.4	Broadcast	Surface Applied	Standard
"ATTACK"	10807-150	Tetramethrin (ANSI)	069003	0.2	Broadcast	Surface Applied	Standard

2) Select a product just like you did with soils.

a) To search the products grid, go to the search function labeled “Locate Records Where”

Locate Records Where:

Name Contains Begins With

b) To find a product for, example “AATREX 4L Herbicide”, type the product’s name in the box. To search using the first letters of the name, make sure the radio button next to “Begins With” is selected.

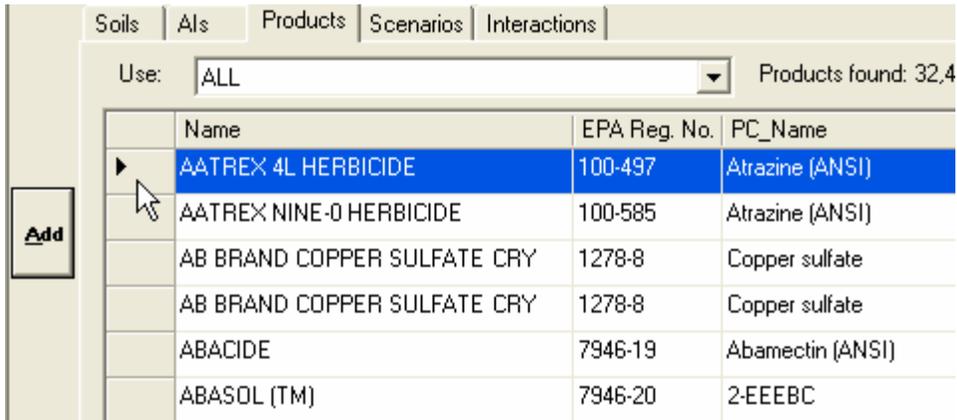
Locate Records Where:

Name Contains Begins With

The grid above will move to the first record that begins with “AA”

Soils AIs Products Scenarios Interactions			
Use:		ALL	Products found: 32,478
Add	Name	EPA Reg. No.	PC_Name
	▶ AATREX 4L HERBICIDE	100-497	Atrazine (ANSI)
	AATREX NINE-0 HERBICIDE	100-585	Atrazine (ANSI)
	AB BRAND COPPER SULFATE CRY	1278-8	Copper sulfate
	AB BRAND COPPER SULFATE CRY	1278-8	Copper sulfate
	ABACIDE	7946-19	Abamectin (ANSI)
	ABASOL (TM)	7946-20	2-EEBC

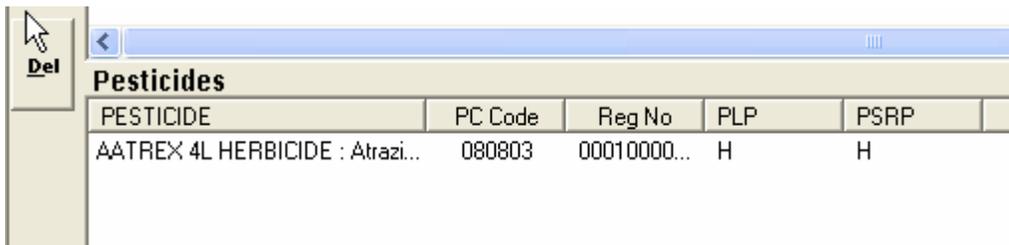
3) Select “AATREX 4L HERBICIDE” by clicking on the gray area to the left of the name.



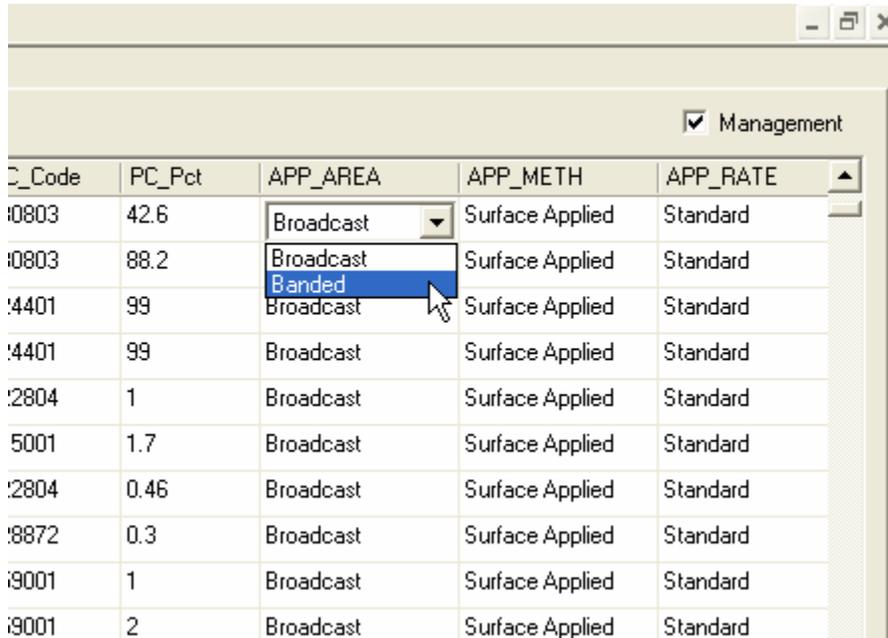
4) Add the selected record by clicking on the “Add” button.



This adds AATREX 4L HERBICIDE to the queue.



5) If you want to change how the product is applied, you can use “pull-down” boxes in the three “Management” columns to the right of the PC_Pct (percent AI in the product) column. These columns are named “APP_AREA” (application area), “APP_METH” (application method) and “APP_RATE” (application rate).



The screenshot shows a window titled "Management" with a table containing 10 rows and 5 columns: C_Code, PC_Pct, APP_AREA, APP_METH, and APP_RATE. The APP_AREA column has a dropdown menu open, showing options: Broadcast, Banded, and Broadcast. A mouse cursor is pointing at the second "Broadcast" option. The table data is as follows:

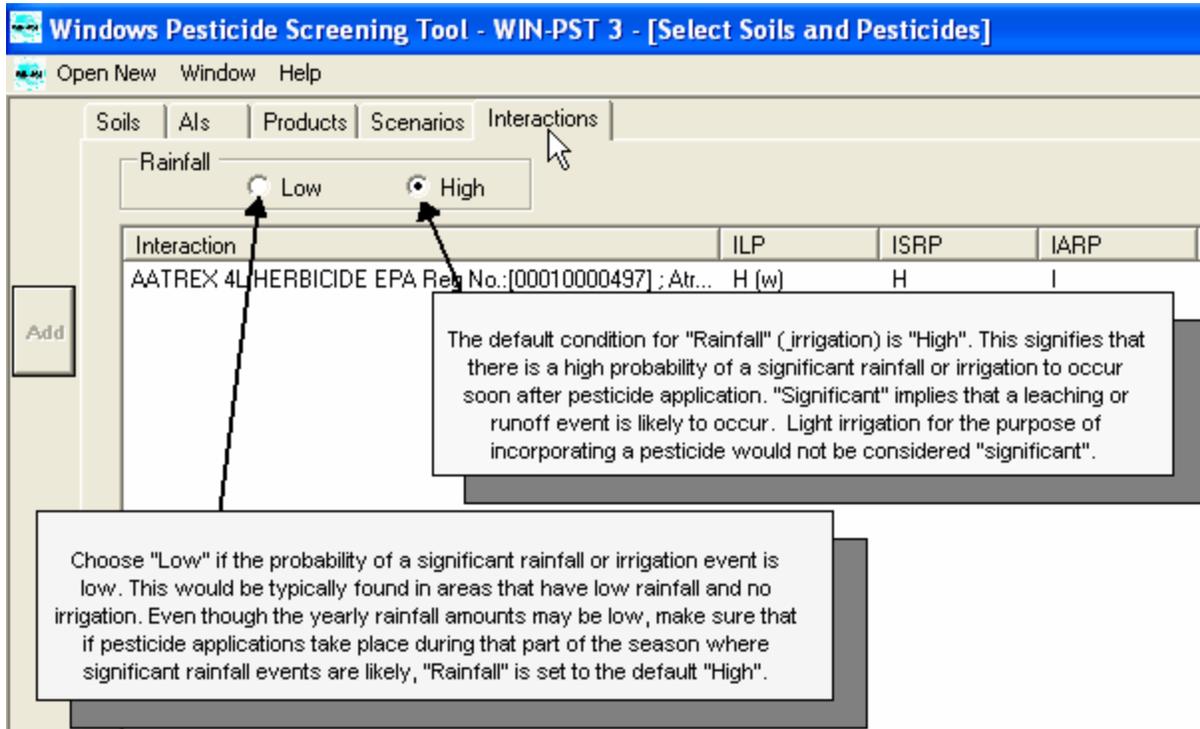
C_Code	PC_Pct	APP_AREA	APP_METH	APP_RATE
:0803	42.6	Broadcast	Surface Applied	Standard
:0803	88.2	Broadcast	Surface Applied	Standard
:4401	99	Banded	Surface Applied	Standard
:4401	99	Broadcast	Surface Applied	Standard
:2804	1	Broadcast	Surface Applied	Standard
5001	1.7	Broadcast	Surface Applied	Standard
:2804	0.46	Broadcast	Surface Applied	Standard
:8872	0.3	Broadcast	Surface Applied	Standard
:9001	1	Broadcast	Surface Applied	Standard
:9001	2	Broadcast	Surface Applied	Standard

The criteria for selecting management are the same as in the previous version of WIN-PST (Version 2.0062B). See Appendix I; **Products tab: Select Soils and Pesticides Window - Annotated.**

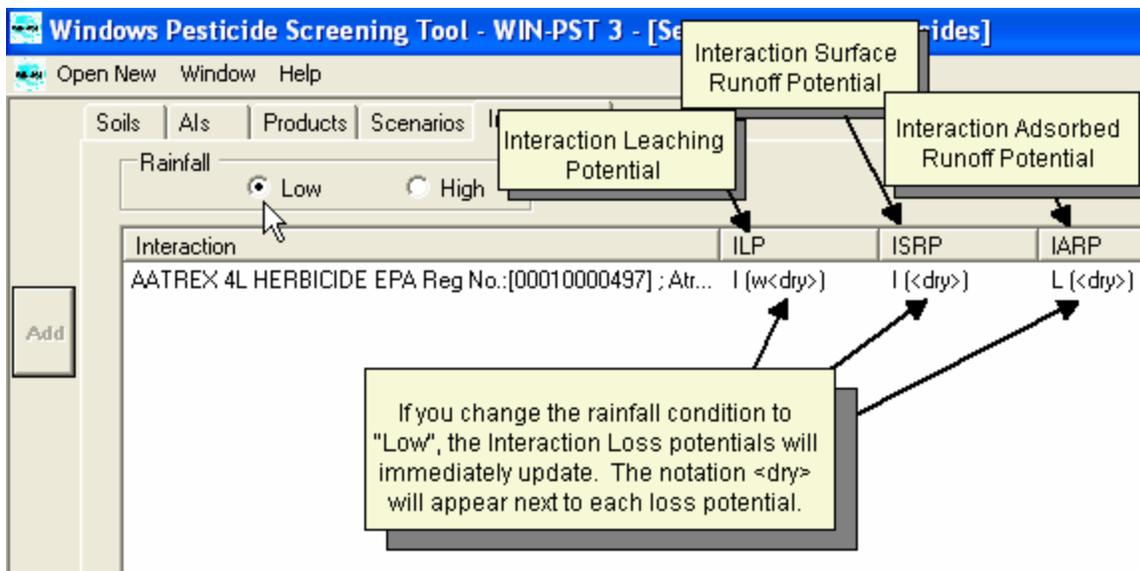
You may change any one of the managements you like, and then add that record to the queue. Note: in the previous version of WIN-PST, you could not evaluate the same product with different management at the same time (i.e., on the same report). Version 3.0 allows the same product, active ingredient or soil to be added to the queue multiple times with different managements.

For this Getting Started document, we will proceed with a single instance of AATREX 4L HERBICIDE applied with the default managements: Broadcast, Surface Applied, Standard Rate.

6. You can set the set rainfall/irrigation conditions any time before you create a report. Select the Interactions tab.

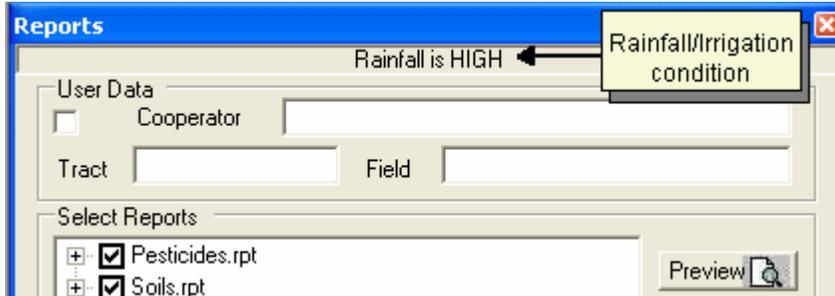


Change the rainfall/irrigation condition by clicking on the button next to the condition you choose.

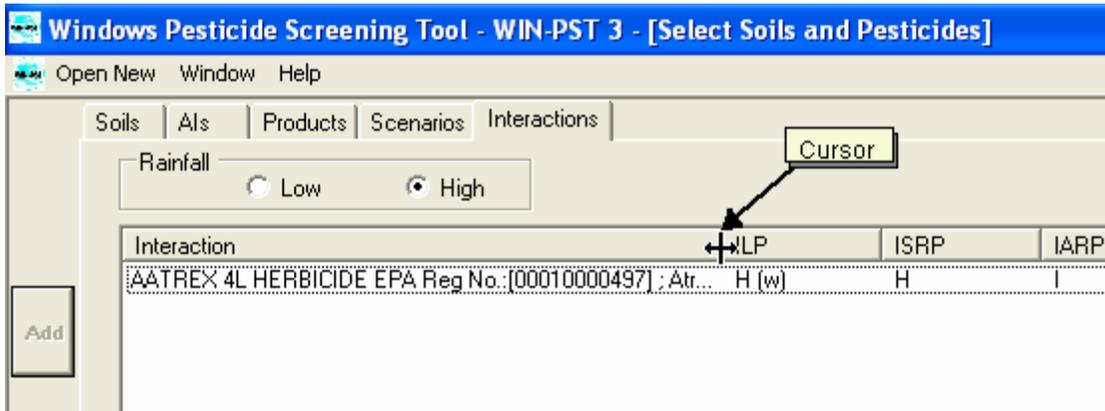


For the Getting Started Guide, we will stick to the default condition – “high” probability of rainfall.

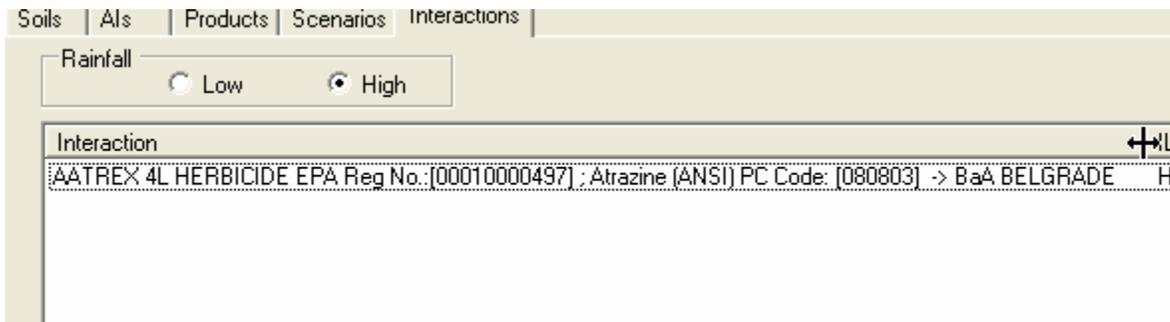
The Reports window displays the rainfall/irrigation condition in effect during when reports are created.



Note: To make a column wider take your cursor and put it in between column headers to the right of the column you want to widen. When you do this, your cursor will turn into a double-headed arrow with a vertical line between. Click and *hold down* the left mouse button.

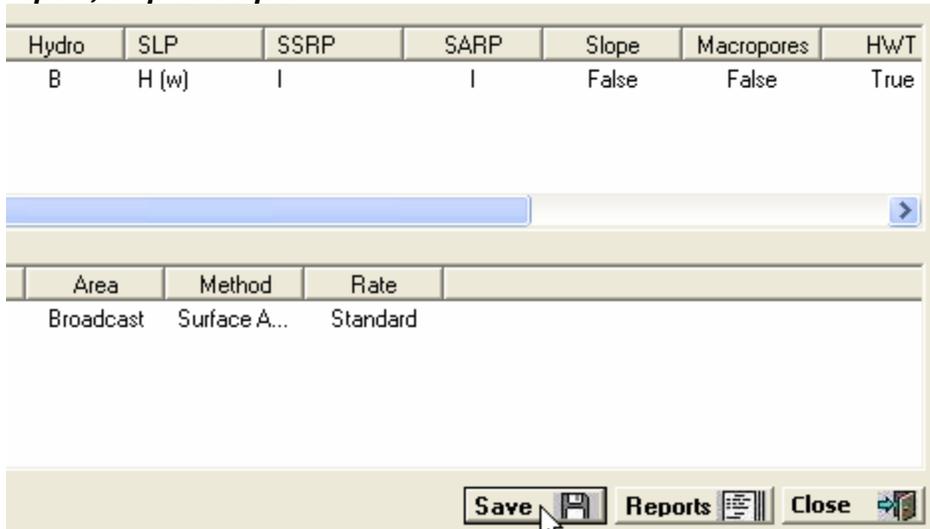


While holding down the left mouse button, drag the column to the right (to make bigger) or to the left (to make it smaller).

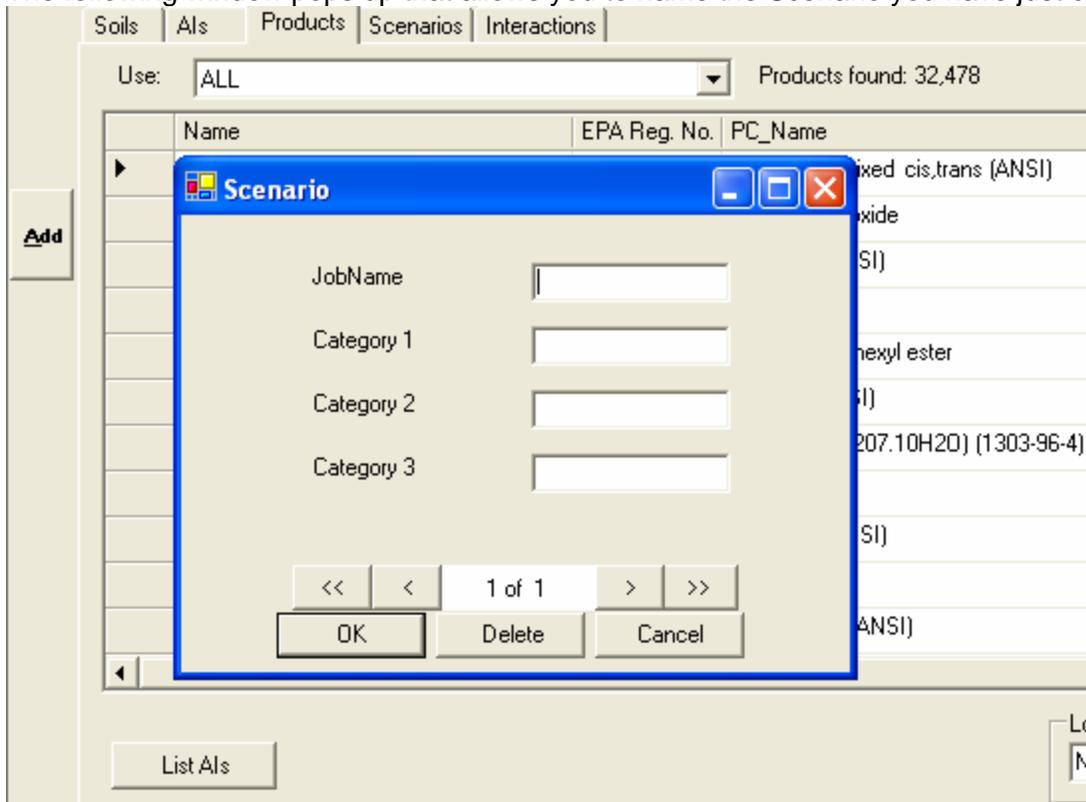


Step 5: Saving the combination (Scenario) in the queue.

1). To save the “scenario” you have just created, click on the “Save” button on the bottom right of the Select Soils and Pesticides window. **Note: It is not necessary to save scenarios in order to create a report. If you would like to go straight to creating a report, skip to Step 6.**



The following window pops up that allows you to name the Scenario you have just created.



6) Type a name into the fields on the pop up “scenario” window. For example we can call this scenario “Quick Start 1”. It is OK to leave the other fields blank. Those fields can be used when more elaborate or specific scenarios are saved and later recalled.



WIN-PST 3.0 allows scenario names to have several separate entry fields in order to help users categorize their scenarios. This way a user can save and easily recall scenarios created with different purposes. For example, save and recall producer specific scenarios plus crop/pest, and/or common resource scenarios.

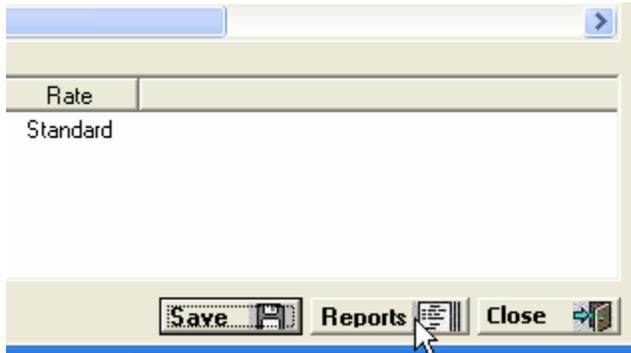
7. Press the OK button on the “Scenario” window. This saves the scenario that can be recalled from the “Scenario” tab.



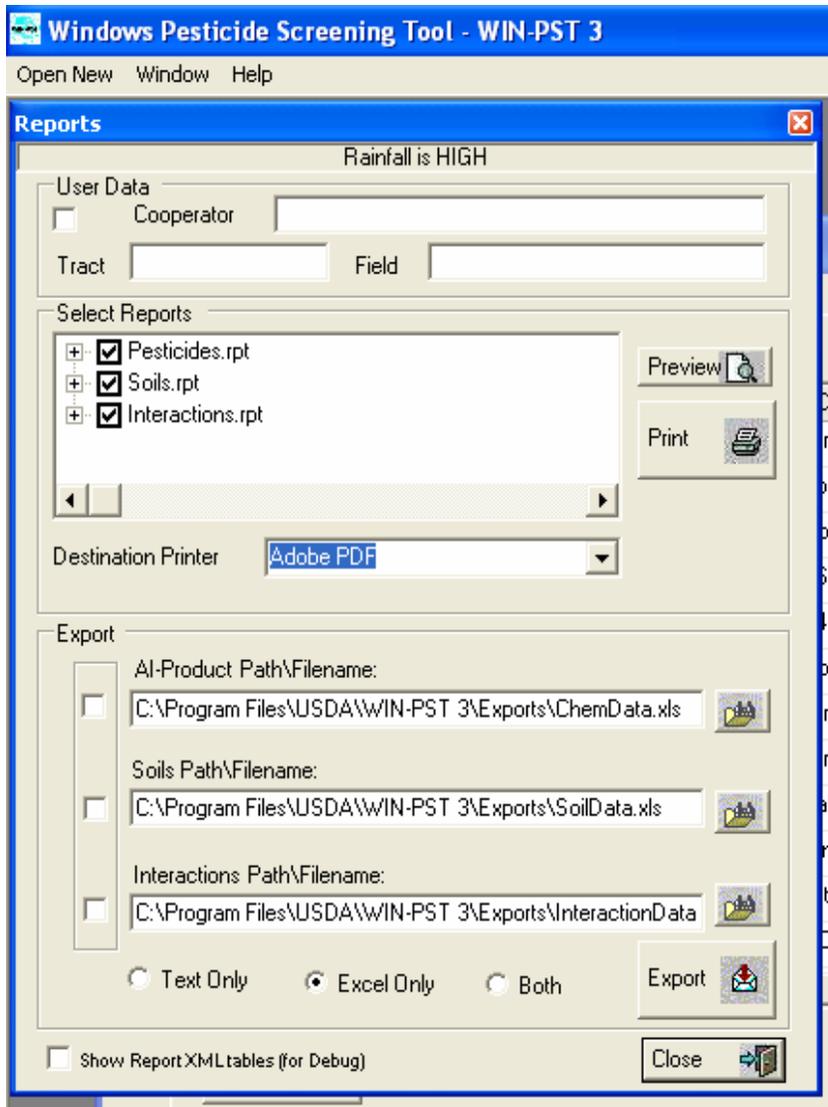
Step 6: Creating Reports

You can create reports either before or after saving scenarios. In fact, you don't have to save scenarios at all. Saving them does allow you to recall the soils and/or pesticides at a later date.

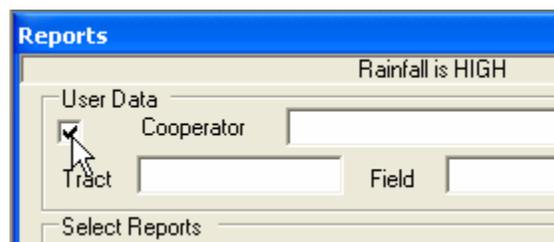
To create a report, click the "Reports" window in the right of the Select Soils and Pesticides window:



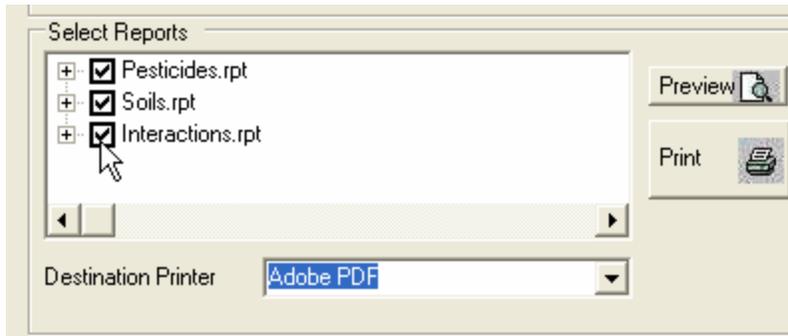
The following pop up window appears:



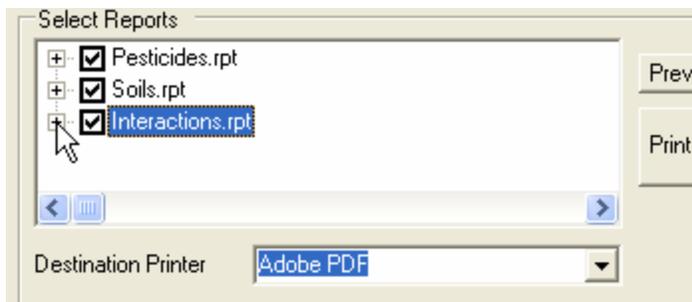
1) If you would like to have producer information at the top of each report, you can put a check in the user box. Do this by clicking on the square box below the title "User Data". Fill in the appropriate data.



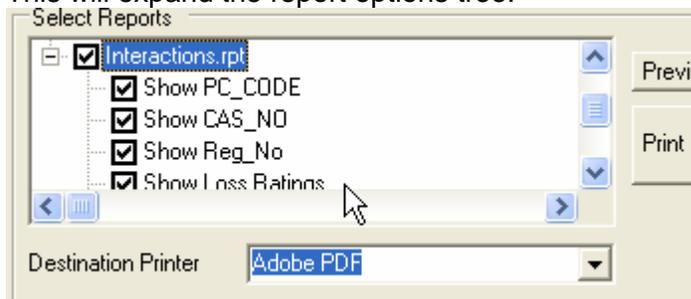
2) To select reports, place a checkmark in the box to the left of the report name. All three reports (Pesticides.rpt, Soils.rpt and Interactions.rpt) are selected by default during installation. If you have selected (i.e., placed in the queue) at least one soil, and one pesticide you will be able to get all three reports. If you only have a soil (but no pesticide) or pesticide (but no soil) selected (in the queue), you will only be able to create the respective report.



3) To select what you want to appear on the report, click the “+” to the left of the checkbox for that respective report.



This will expand the report options tree:



After you have selected what should and should not appear on the reports (by checking and un-checking the box to the right of the option), you can preview or print the report.

4) Preview or print reports by pressing the respective buttons. Select reports will be either shown to the user on the screen (preview) or sent to the default printer.

All three reports will appear.

The screenshot shows the 'Interactions' window in the WIN-PST software. The report content is as follows:

NRCS Natural Resources Conservation Service

WIN-PST Soil / Pesticide Interaction

BaA	BELGRADE
85% SIL	Hydro: B
Franklin County, Massachusetts: MA011: MA011	
OM% 3	H1 Depth: 8

AATREX 4L HERBICIDE
Reg No: 00010000497

42.6% Atrazine (ANSI)

PCCode 080803 CasNo 0001912249

	Loss Potential	Human Hazard	Fish Hazard
ILP:	H (w)	H	I
ISRP:	H	H	I
IARP:	I		L

To view a hidden report just click on a any visible portion of the report. This will bring it to the front.

The screenshot shows the WIN-PST software interface. At the top, there are three tabs: 'Pesticides', 'Soils', and 'Interactions'. The 'Interactions' tab is active, and a mouse cursor is pointing at the 'Pesticides' tab. Below the tabs is a toolbar with various icons for navigation and printing. The main report area displays the following information:

NRCS Natural Resources Conservation Service CO

WIN-PST Soil / Pesticide Interaction

BaA	BELGRADE		
85%	SIL	Hydro:	B
Franklin County, Massachusetts: MA011: MA011			
OM% 3	H1 Depth: 8		

AATREX 4L HERBICIDE
Reg No: 0001000497

42.6% Atrazine (ANSI)

PCCode 080803 CasNo 0001912249

	Loss Potential	Human Hazard	Fish Hazard
ILP:	H (w)	H	I
ISRP:	H	H	I
IARP:	I		L

By clicking on the part of the Pesticide Report (see screen capture above), the Pesticide report is brought to the front.

The screenshot shows a software window titled "Pesticides" with a toolbar and a "MainReport" tab. The report content includes the NRCs logo and the text "Natural Resources Conservation Service" and "COOPERATOR". Below this is a table titled "Pesticide Active Ingredient Ratio".

Active Ingredient Common Name	ph	Solubility in Water (ppm)	Half Life (days)	KOC (mL/g)	Human Toxicity (ppb)	Fish Toxicity	
						MATC*	STV
AATREX 4L HERBICIDE							
42.6% Atrazine (ANSI)							
Reg No: 00010000497							
PC_Code: 080803		33	60	100	3.00	88.32	8,831.82
Cas_no: 0001912249							
Method: Surface Applied							
Area: Broadcast							
Rate: Standard							

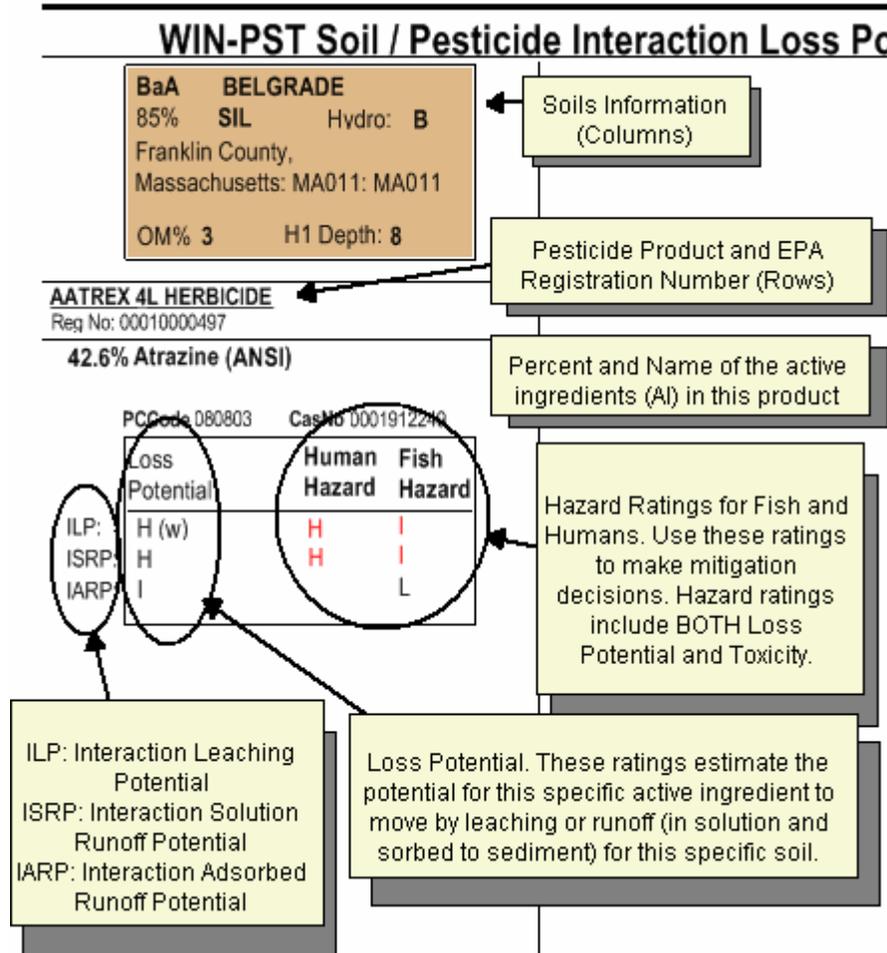
To recall hidden reports, you can also use the WIN-PST 3 button on the tool bar at the bottom of your screen.



If you click on it, all three reports will appear on the pop-up menu.

Step 7 Reading Reports:

WIN-PST 3 reports are read the same as WIN-PST 2.0062B. An example interaction report is shown below.



The choice to mitigate or not and what level of mitigation is needed is gleaned from the Interaction Hazard report. The level of hazard and resource concerns will dictate which hazards need to be addressed.

For example, if your resource concern is a well used for human drinking water, then hazards "Intermediate" (I) or greater (Intermediate (I) High (H) or Extra High (X)) must be addressed. Hazards that rate Low (L) or Very Low (V) do not need to be mitigated. However, the NRCS Pest Management Conservation Practice (595) requires the use of IPM or IPM principles regardless of the hazard rating.

Soils tab: Select Soils and Pesticides Window – Annotated

Windows Pesticide Screening Tool - WIN-PST 3 - [Select Soils and Pesticides]

Open New Window Help

Soils Als Products Scenarios In

Survey Area: Franklin County, Massachusetts: MAU1

Ratings
 Properties
 Management

		USER_OM	USER_DEP	KFACT	SLOPEGR1	CRACKSGR	HWT_LT_24	SLP	SSRP
M		3	11	0.28				INTERMEDI	INTERMEDI
Af		3	11	0.28				INTERMEDI	INTERMEDI
AfC	80	AGAWAM	FSL	B	3	11	0.28		INTERMEDI
AfD	80	AGAWAM	FSL	B	3	11	0.28	<input checked="" type="checkbox"/>	INTERMEDI
AgA	80	AGAWAM	FSL	C	3.5	8	0.28		INTERMEDI
	80	AGAWAM	FSL	C	3.5	8	0.28		LOW HIGH
	80	AGAWAM	FSL	C	3.5	8	0.28		LOW HIGH
	85	BELGRADE	SIL	B	3	8	0.49		HIGH (The h INTERMEDI
	85	BELGRADE	SIL	B	3	8	0.49	<input checked="" type="checkbox"/>	HIGH (The h INTERMEDI
BbB	75	BERKSHIR	FSL	B	3.5	8	0.24		INTERMEDI INTERMEDI
BbC	80	BERKSHIR	FSL	B	3.5	8	0.24		INTERMEDI INTERMEDI
BbD	80	BERKSHIR	FSL	B	3.5	8	0.24	<input checked="" type="checkbox"/>	INTERMEDI INTERMEDI
BcB	75	BERKSHIR	FSL	B	3.5	8	0.2		INTERMEDI INTERMEDI
BcC	80	BERKSHIR	FSL	B	3.5	8	0.2	<input checked="" type="checkbox"/>	INTERMEDI INTERMEDI
BcD	80	BERKSHIR	FSL	B	3.5	8	0.2		INTERMEDI INTERMEDI
BdB	75	BERKSHIR	FSL	B	3.5	8	0.2		INTERMEDI INTERMEDI

Contains
 Begins With

Soils
 MUSYM Percent SOIL Texture User OM User Depth Hydro Slope Macropores HWT

Pesticides
 PESTICIDE PC Code Reg No PLP PSRP PARP Area Method Rate

Queue

Users can customize the organic matter (OM) percent of the surface layer by editing the USER_OM field.

Users can customize the surface layer depth by editing the USER_DEPTH Field.

Select survey areas here if you have multiple areas loaded in WIN-PST.

Click here (the gray column to the left of the row) to select (highlight) that soil. You can use the Shift and Control keys with the mouse to select multiple records.

An empty box here signifies that there are no surface connected macropores that run at least 24" deep.

Clicking on this button adds soils to the queue.

Users can click on boxes to check or uncheck site-specific management.

A check here signifies that the slope is greater than 15%.

A check here signifies that the water table is within 24" of the surface during the growing season.

To search the grid above type the name you are looking for. Use the pulldown menu to the left to select what column to search. Use the "Contains" or "Begins With" radio buttons to select how you want it to search.

Products tab: Select Soils and Pesticides Window - Annotated.

Windows Pesticide Screening Tool - WIN-PST

Open New Window Help

Soils Als Products Scenarios Interactions

Use: HERBICIDE TERRESTRIAL Products found: 17,112

Add

Name	EPA Reg. No.	PC_Name	AI	Rate	Method	Application	APP_RATE
BICEP II MAGNUM HERBICIDE	100-817	Atrazine (ANSI)					Standard
BICEP II MAGNUM HERBICIDE	100-817	Metolachlor (ISO Approved common)	108800	26.1	Broadcast	Surface Applied	Standard
BICEP LITE II MAGNUM HERBICIDE	100-827		08083	28.1	Broadcast	Surface Applied	Standard
BICEP LITE II MAGNUM HERBICIDE	100-827	S-Metolachlor (ISO Approved common)	108800	35.8	Broadcast	Surface Applied	Standard
BICEP MAGNUM	100-886	Atrazine (ANSI)	080803	33.7	Broadcast	Surface Applied	Standard
BICEP MAGNUM	100-886	S-Metolachlor (ISO Approved common)	108800	26.1	Broadcast	Surface Applied	Standard
		4-D, dimethylamine salt	030019	46.6	Broadcast	Surface Applied	Standard
		4-D, dimethylamine salt	030019	47.3	Broadcast	Surface Applied	Standard
		4-D, 2-ethylhexyl ester					
BIESTERFELD DIURON 80	62575-9	Diuron (ANSI)					
BIESTERFELD PROPANIL 60 DF	35915-12	Simazine (ANSI)					

Management

Click here to select the product. Note: selecting one active ingredient of a product selects all active ingredients in that product, even though only the selected row is highlighted

EPA Registration Number is the in the same format that is found on label.

"Surface Applied" (default): when product is applied to the soil surface; "Incorporated" if product is incorporated through mechanical means or light irrigation; "Foliar" when product is a directed application to foliage at nearly full crop/weed canopy cover.

Choose "Broadcast" (default) when pesticide is applied to more than 50% of the field and "Banded" when pesticide is applied to 50% or less of the field.

"Standard Rate" (default): when active ingredient (AI) is applied at more than 0.25 lbs/acre; "Low" rate is when AI is greater than 0.1 lbs/acre and equal to or less than 0.25 lbs/acre; "Ultra Low" rate is when AI is equal to or less than 0.1 lbs/acre.

List Als

Locate Records Where: Name Contains Begins With Bice

You can search by product name and EPA Registration Number.

Enter search string here

To see loss ratings and other information (such as Koc, solubility, half life and toxicity) for active ingredients within a product, click here.

Del

Soils

MUSYM	User DM	User Depth	Hy	ARP	Slope	Macropores	HWT

Pesticides

PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Area	Method	Rate

Save Reports Close

Scenario tab: Select Soils and Pesticides Window – Annotated.

Windows Pesticide Screening Tool - WIN-PST 3 - [Select Soils and Pesticides]

Open New Window Help

Soils Als Products Scenarios Interactions

You can filter scenarios using these pulldowns

Category 1 all Category 2 all Category 3 all

Select a scenario:

JobName	Category 1	Category 2
Quick Start 1	(null)	(null)

Add Click here to add the selected scenario to the queue

Click here to select that scenario.

Note: You can create scenarios that just contain soils or just contain pesticides. You can also mix products and active ingredients in a scenario

Saved Soils associated with selected scenario:

JobName	COMP_NAM	SSANAME	STATE	SSAID	HYDRO	USER_OM	KFACT	U
Quick Start 1	BELGRADE	Franklin Cou	MA	011	B	3	0.49	8

This scenario, named "Quick Start 1" contains a soil and a pesticide

Saved Chemicals associated with selected scenario:

JobName	AI_NAME	PC_CODE	CAS_NO	PC_PCT	ProductLink	HL	KOC	SOL
Quick Start 1	Atrazine (AN	080803	0001912249	42.6	AATREX 4L	60	100	33

Soils

MUSYM	Percent	SOIL	Texture	User OM	User Depth	Hydro	SLP	SSRP	SARP	Slope	Macropores	HWT

Pesticides

PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Area	Method	Rate

Save Reports Close

Als (Active Ingredient tab): Select Soils and Pesticides Window – Annotated.

The screenshot shows the 'Als' (Active Ingredient) tab in the 'Windows Pesticide Screening Tool - WIN-PST'. The interface includes a menu bar (Open New, Window, Help), a toolbar, and a main data grid. Below the grid are buttons for 'Alternate Names' and 'List Products', and a search section for 'Locate Records Where'. At the bottom, there are tabs for 'Soils' and 'Pesticides', and a 'Del' button. The status bar at the bottom contains 'Save', 'Reports', and 'Close' buttons.

Active Ingredients found: 578

Name	PCCode	PH	HL	KOC	SOL	APP_AREA	APP_METH	APP_RATE	PLP
1,2-Dichloropropane	029002	(null)	700	50	2700	Broadcast	Surface Applied	Standard	HIGH
1,3-Dichloropropene	029001	(null)	10	32	50	Broadcast	Surface Applied	Standard	INTERME
2-(m-Chlorophenoxy)propionamide	021203	(null)	10	20	50	Broadcast	Surface Applied	Standard	INTERME
2,3,6-Trichlorophenylacetic acid, dimet	082605	7	180	20	50	Broadcast	Surface Applied	Standard	HIGH
2,3,6-Trichlorophenylacetic acid, sodiu	082602	7	180	20	50	Broadcast	Surface Applied	Standard	HIGH
2,4,5-T Esters (butometyl) 2,4,5-T Est	NO_PCF	(null)	24	80	50	Broadcast	Surface Applied	Standard	HIGH
2,4,5-Trichlorophenoxyacetic acid	082001	(null)	30	80	278	Broadcast	Surface Applied	Standard	HIGH
2,4,5-Trichlorophenoxyacetic acid, dim	082019	(null)	24	80	50	Broadcast	Surface Applied	Standard	HIGH
2,4,5-Trichlorophenoxyacetic acid, dod	082011	(null)	24	80	50	Broadcast	Surface Applied	Standard	HIGH
2,4,5-Trichlorophenoxyacetic acid, tetr	082013	(null)	24	80	50	Broadcast	Surface Applied	Standard	HIGH

Soils

MUSYM	Pe	User OM	User Depth	Hydro	SLP	SS	res	HWT

Pesticides

PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Area	Method	Rate

Callouts:

- pH at which the pesticide's physical properties are valid:** Points to the PH column.
- Soil organic carbon partitioning coefficient:** Points to the KOC column.
- Solubility in water:** Points to the SOL column.
- Field Half Life in days:** Points to the HL column.
- "Surface Applied" (default):** Explains that "Surface Applied" is the default when the product is applied to the soil surface, "Incorporated" if applied through mechanical means or light irrigation, and "Foliar" for directed applications to foliage.
- Choose "Broadcast" (default):** Explains that "Broadcast" is the default when applied to more than 50% of the field, and "Banded" when applied to 50% or less.
- "Standard Rate" (default):** Explains that "Standard Rate" is the default when the active ingredient (AI) is applied at more than 0.25 lbs/acre, "Low" rate is between 0.1 and 0.25 lbs/acre, and "Ultra Low" rate is at or below 0.1 lbs/acre.
- Click here to see other names for active ingredient selected above:** Points to the 'Alternate Names' button.
- Clicking here shows all products currently registered by EPA that contain the selected active ingredient:** Points to the 'List Products' button.
- Check this box to search alternate names for active ingredients:** Points to the 'Search Alternate Names' checkbox.

Interactions tab: Select Soils and Pesticides Window – Annotated.

Windows Pesticide Screening Tool - WIN-PST 3 - [Select Soils and Pesticides]

Open New Window Help

Soils Als Products Scenarios Interactions

Rainfall Low High

Interaction Adsorbed Runoff Potential

Interaction Leaching Potential

Interaction Solution Runoff Potential

Use the appropriate hazard ratings to make mitigation decisions.

Interaction	ILP	ISRP	IARP	LH-H	LH-F	SRH-H	SRH-F	ARH-F
AATREX 4L HERBICIDE EPA Reg No.: [00010000497] ; Atra...	H (w)	H	I	H	I	H	I	L

Leaching Hazard - Human

Solution Runoff Hazard - Human

Adsorbed Runoff Hazard - Fish

Leaching Hazard - Fish

Solution Runoff Hazard - Fish

Use these radio buttons to select the appropriate rainfall/irrigation conditions

Soils

MUSYM	Percent	SOIL	Texture	User DM	User Depth	Hydro	SLP	SSRP	SARP	Slope	Macropores	HWT
BaA	85	BELGRADE	SIL	3	8	B	H (w)	I	I	False	False	True

Pesticides

PESTICIDE	PC Code	Reg No	PLP	PSRP	PARP	Area	Method	Rate
AATREX 4L HERBICIDE : Atrazi...	080803	00010000...	H	H	I	Broadcast	Surface A...	Standard

Save Reports Close