

PSU Spray Record-  
Keeping Spreadsheet

# PSU Spreadsheet

Designed to make your application reporting simpler and easier

Contains 500+ orchard application products

- You enter the product name and application information
- Spreadsheet completes
  - Registration number
  - REI information
  - PHI information
  - Report format
  - Other information

Gives you

- final report form for submission
- Report for managing your REIs
- Central document for recording and organizing all your orchard applications



HOME | SPRAY RECORD-KEEPING

## Spray Record-Keeping

This spreadsheet should be used with a season-long Integrated Pest Management Plan. Talk to your Penn State Extension educator if you need help building one.

#SMT-1008 | [BE THE FIRST TO LEAVE A REVIEW](#)



Smart Sheet: Spray Record-Keeping

Photo by Tara Baugher

### ↓ TOOLS AND APPS

LANGUAGE:

**English**

### FILES TO DOWNLOAD

[2018 Spray Record-Keeping Spreadsheet](#)

[+ SAVE FOR LATER](#)





- List of 500+ orchard application products prepared in the spreadsheet
  - REIs, PHIs, and other relevant information available in one convenient format
  - EPA registration numbers, active ingredient, formulations auto-populate once you select the commercial product name applied
- Drop-down menus for record-keeping of product applications
- Automatic calculation of REIs
- One convenient spreadsheet for housing all of your spray information
- Accepted by Rice Fruit Company and Knouse Foods as documentation of orchard application record
- How many of you are using it?

Our team was given the task of updating the spreadsheet for 2019.

- We updated registration numbers, REIs, PHIs, products that have been added or dropped out of use by the industry for ~600 products
  - For apple and for peach only
- Updated the reporting tools for printing out reports
- Created a reporting form to simplify and streamline the process for entering orchard application information.

Enter the information  
one time. It goes  
three different places.

Apple Form

Apple Report

Apple Re-entry

Apple (complete  
application  
information)





# Apple Form

**Penn State Extension** Apple orchard application reporting form  
Grower

Applicator ID

Application date

Orchard block

Start time

Stop time

Growth stage (optional)

Purpose (optional)

Air temp. (°F)

Wind speed (mph)

Wind direction, from

Product applied

Total acres treated  units

Amount applied

Comments

**Submit**

Penn State **Extension**

Apple orchard application reporting form  
Grower

Applicator ID

Application date

Orchard block

Start time

Stop time

Growth stage (optional)

Purpose (optional)

Air temp. (°F)

Wind speed (mph)

Wind direction, from

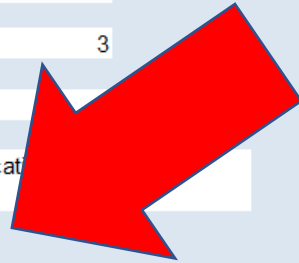
Product applied

Total acres treated

Amount applied

Comments

Submit



Penn State **Extension**

Apple orchard application reporting form  
Grower

Applicator ID

Application date

Orchard block

Start time

Stop time

Growth stage (optional)

Purpose (optional)

Microsoft Excel

Successfully submitted orchard application information

OK

Comments

Submit

Form then clears for the next application information.

Some information is retained on the form.

Applicator ID stays the same as it was (change it if you need to). Orchard block stays the same.

**Penn State Extension** Apple orchard application reporting form  
Grower

Applicator ID	<input type="text" value="Edwin"/>	
Application date	<input type="text" value="2/18/2019"/>	
Orchard block	<input type="text" value="A9"/>	
Start time	<input type="text" value="3:26 AM"/>	
Stop time	<input type="text"/>	
Growth stage (optional)	<input type="text"/>	
Purpose (optional)	<input type="text"/>	
Air temp. (°F)	<input type="text"/>	
Wind speed (mph)	<input type="text"/>	
Wind direction, from	<input type="text"/>	
Product applied	<input type="text"/>	
Total acres treated	<input type="text"/>	
Amount applied	<input type="text"/>	<input type="text" value="units"/>
Comments	<input type="text"/>	

Time and date are populated with the current time and date.

Change them if you need to.

Applicator ID

Application date

Orchard block

Start time

Stop time

Microsoft Excel X

6 Error(s)

OK

Wind direction, from

Product applied

Total acres treated

Amount applied  units

Comments

Submit

Penn State **Extension**

Apple orchard application reporting form  
Grower

Applicator ID

Application date

Orchard block

Start time

Stop time

Growth stage (optional)

Purpose (optional)

Air temp. (°F)

Wind speed (mph)

Wind direction, from

Product applied

Total acres treated

Amount applied  units

Comments

Submit

Text autocomplete in  
dropdown menu by  
alphabetical entry

**Penn State Extension** Apple orchard application reporting form  
Grower

Applicator ID	<input type="text" value="Edwin"/>	
Application date	<input type="text" value="2/18/2019"/>	
Orchard block	<input type="text" value="A9"/>	
Start time	<input type="text" value="3:26 AM"/>	
Stop time	<input type="text"/>	
Growth stage (optional)	<input type="text"/>	
Purpose (optional)	<input type="text"/>	
Air temp. (°F)	<input type="text"/>	
Wind speed (mph)	<input type="text"/>	
Wind direction, from	<input type="text"/>	
Product applied	<input type="text" value="I"/>	
Total acres treated	<input type="text"/>	
Amount applied	<input type="text"/>	units
Comments	<input type="text"/>	

## Apple Report

Application record for orchard maintenance products, to be used for recordkeeping of product applications to apple orchards

Spreadsheet format initialized by		Disclaimer: Time and effort were spent to enter registration numbers, REI's, and PHI's from product labels. However, the only way to ensure the accuracy of your records is to verify that the EPA number in this program correlates to the product being used and read the label yourself. This spreadsheet was developed for recordkeeping purposes only, for further IPM recommendations see the Penn State Tree Fruit Production Guide.									
Penn State Extension for:											
Grower Name		0									
Grower Number		0									
Date	AppID	Block	Start	Stop	Product	EPA Reg	Acres	amt	Unit	Comments	
2/17/2019	Edwin	A9	10:00 AM	11:00 AM	Lime Sulfur	34704-321	3	1	quarts	Test, not a real applica	

## Apple Re-Entry Tab

### Penn State **Extension**

Grower Name: \_\_\_\_\_ 0

### Worker Protection Standard - Central Posting Form for Apples

Treated Area(s)		Spray Application Information							Safe Re-entry	
Crop	Blocks	Pesticide Trade Name	Active Ingredient	EPA Reg#	Spray Date	Start Time	End Time	REI (hrs)	Date	Time
Apple	A9	Lime Sulfur	lime sulfur	34704-321	2/17/2019	10:00:00 AM	11:00:00 AM	48	02/19/19	11:00 AM

## Apple Tab

Grower Name:		0										Crop:	apple	Year:	2019							
Grower No:		0										Penn State <b>Extension</b>										
Fill in all columns with a blue heading.																						
Application date	Time start	Time stop	Block	Temp. avg. while spraying	Wind speed (mph)	Wind dir.	Applicator number	Growth stage	Purpose	Pesticide trade name	Form.	Active Ingredients	EPA registration number	REI (hours)	PHI (days)	PHI (release date)	USE	Total acres treated	Amount applied	Unit	Amount per acre applied	Comments
2/17/2019	10:00 AM	11:00 AM	A9	45	4	w	Edwin	Bloom	Cropload	Lime Sulfur		lime sulfur	34704-321	48	N/A	see label	0	3	1	quar	0.33	Test, no



# Wanted: Volunteers for testing the spreadsheet

Email: [hew6@psu.edu](mailto:hew6@psu.edu)

Current spreadsheet:  
what works for you and what doesn't?

## Thanks!

Thanks to Tara Baugher, Daniel Weber, Jim Schupp,  
Larry Hull, Mark Shannon, Warren Aukett, and others!



Smart Sheet: Spray  
Record-Keeping

Photo by Tara Baugher