

# Using On-line Pest Management Tools

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Coordinator

Jerry Neufeld, UI Extension, Canyon  
County

# On-line tools save time and money

- OnePlan Pesticide Applicator Recordkeeping and Soil Fumigant Management Planning
- Pacific Northwest Pest Alert Network



# Best Management Practices (BMPs) or IPM

Photo courtesy of USDA-NRCS

# Scout to determine pest pressure and the presence of beneficial insects.



Photo courtesy of USDA-NRCS



# Best Management Practices

Make timely pesticide applications  
only when needed



Protect beneficial organisms with proper timing of pesticide applications.

# Runoff and erosion can move pesticides off site.



Photo courtesy of USGS



Photo courtesy of USDA-  
NRCS

# Best Management Practices

Reduction of pesticide use will  
save money

(picture here of application)



# Accurate record keeping and field histories are important for good management



# Keep detailed records on field by field basis

- Maintaining detailed and accurate pesticide records helps with the farm's management and operational plans
  - ✓ **Pest problems**
  - ✓ **Crop rotations**
  - ✓ **Pesticide classes/MOA**
  - ✓ **Resistance management**



# Best Management Practices

Compliance with regulatory requirements such as worker protection and soil fumigation



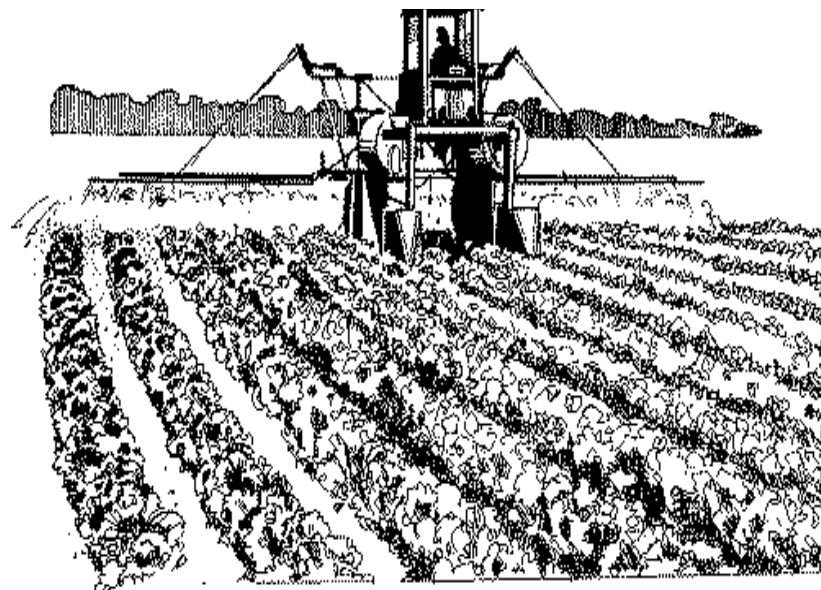
# Comply with labeling requirements





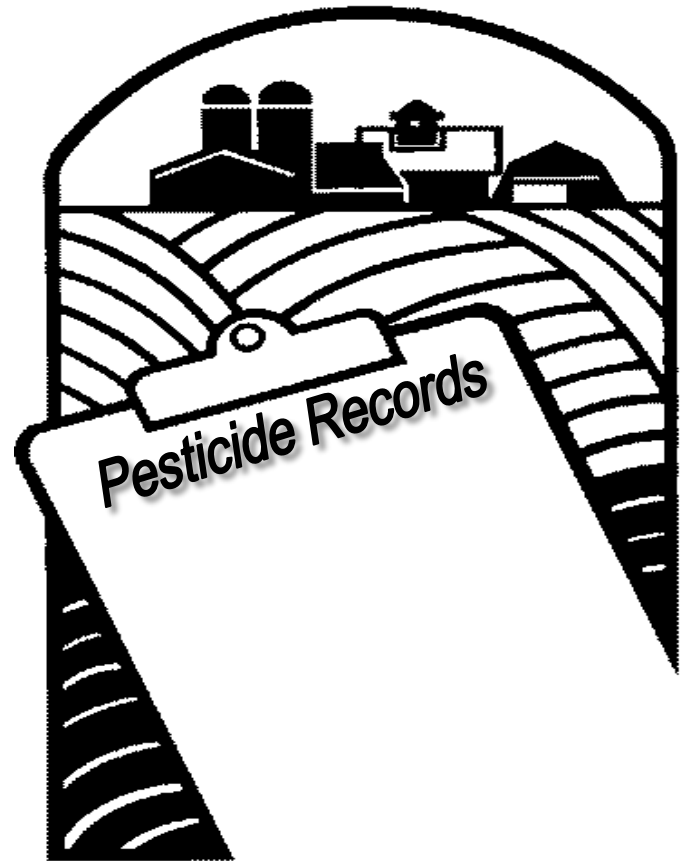
# Pesticide Recordkeeping Requirements

- All certified applicators are required to maintain records of federally restricted use pesticide applications.
- Includes:
  - Private
  - Professional



# Pesticide Recordkeeping Requirements: Private

- Eight steps for *Private Applicators* to meet Pesticide Recordkeeping Requirements

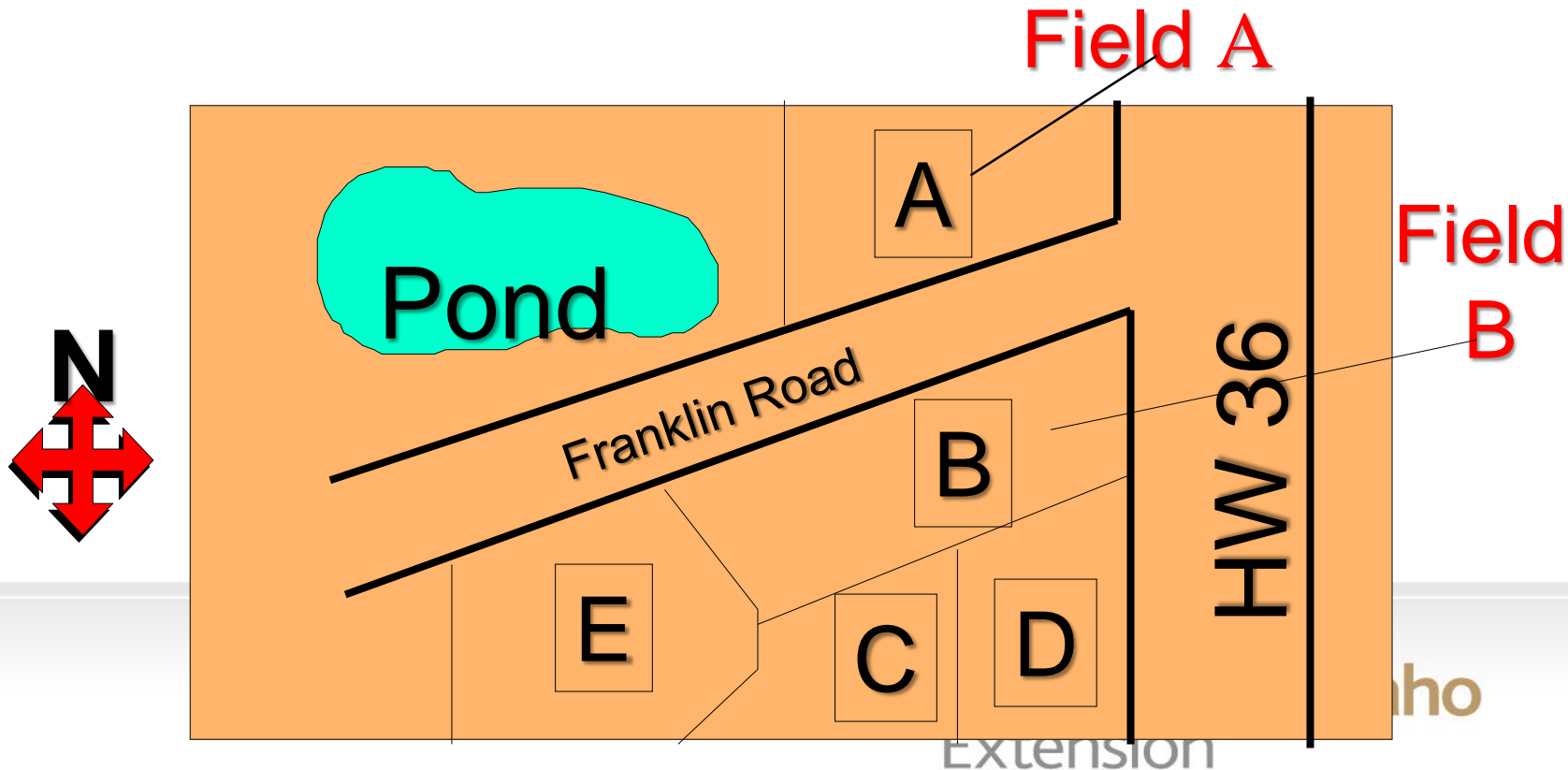


# Professional Applicator Requirements

- Additional requirements:
  - Name and address of property owner or operator
  - Rate of application
  - Wind speed and direction during application
  - Worker protection information exchange
  - Person who recommended the pesticide application

# Pesticide Recordkeeping Requirements

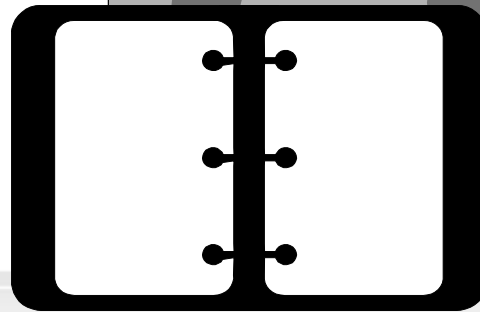
- Applicator Generated Site/Location





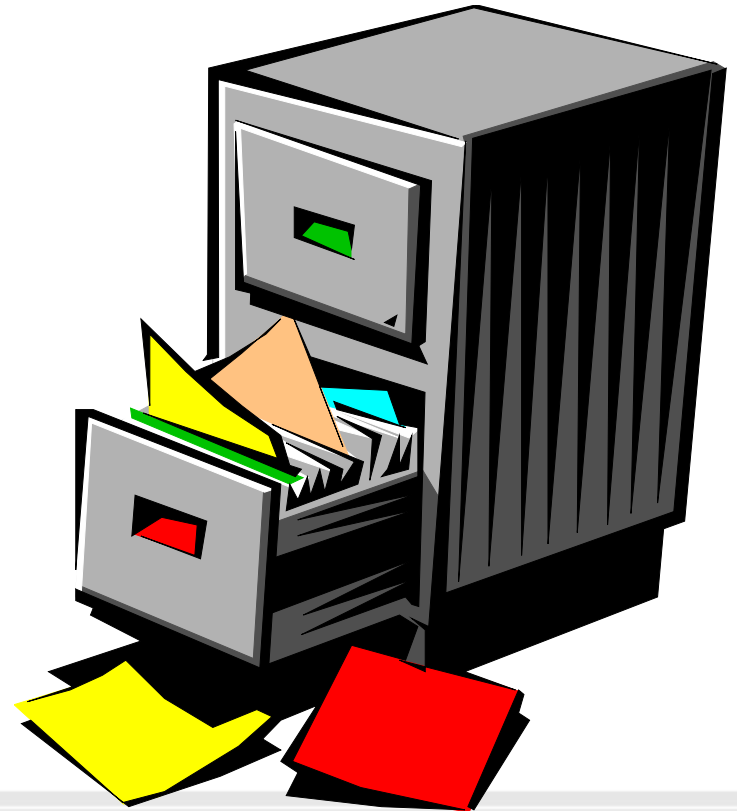
# Recording Requirements

- **Record within 14 days of application**
- **No official forms for these records**
- **Your records are official**
  - **Forms are available through various sources**
  - **[www.oneplan.org/PAR](http://www.oneplan.org/PAR)**



# Records Retention Requirements

- Length of maintaining records:
  - Private: minimum of **2 Years** from application date
  - Professional: minimum of **3 Years** from application date
  - Field histories and farm management





# **ONEPLAN PESTICIDE APPLICATOR RECORDKEEPING**

# Cooperators

- Dale Jeffers, Producer
- Raul Rasgorshek, Producer
- Leland Tiegs, Producer
- Wayne Newbill, IASCD
- Dee Carlson, NRCS
- Snake River Sugarbeet Research and Seed Alliance
- Idaho Alfalfa and Clover Seed Growers Commission
- Idaho Potato Commission



# What is OnePlan PAR?

- Easy to use method for maintaining required pesticide records
- Electronic and permanent
- Secure record keeping
- Records sorting features
- Site specific to each application

**[www.OnePlan.org/PAR](http://www.OnePlan.org/PAR)**

- Computerized Web Application
  - Calculations made easy
  - Enter data once
  - Everything in one place
  - Access from any computer, smartphone or tablet

**[www.OnePlan.org/PAR](http://www.OnePlan.org/PAR)**

## Complete Records

- ✓WPS Requirements
- ✓RUP Application Records

Build Soil Fumigation plans

[IPM Home](#)

You are logged in  
as oneplan

[Update](#) | [Logout](#)[Help / instructions](#)[Customize crops](#)[Customize pests](#)[Edit products](#)[Edit adjuvants](#)[Application  
workorders:](#)[Initiate W.O.](#)[W.O. report](#)

Edit:

In process:

Complete:

## Operation Summary



## Farm Operator

Bob Farmer  
OnePlan Farms  
123 Farmway Lane  
Farmington ID 83605  
208 888-8008 **Mobile:** 208 378-5700

[\(edit\)](#)

## Applicators

[\(edit\)](#)

Applicator Name	Lic. No.	Phone
Bruce Ard	205	208 356-3601
Casey	1234	208 431-1549
oneplan	12345	208 378-5700
Phil Shewmaker	44444	208 880-8804
Wayne Newbill	54321	208 888-5008

## Handlers

[\(edit\)](#)

Handler Name	Phone
Bob Jones	208 466-3052
Bob Jones	208 466-3052

## Farm Unit: Bob Farmer

[\(edit\)](#)

## Nearest Medical facility

West Valley Medical Center  
1717 Arlington Avenue  
Caldwell ID 83605  
208 454-3777  
[Map to Facility](#)

## Farm Unit Fields

[\(edit\)](#)[\(edit crop history\)](#)

Field name	Current crop	PLS	Lat	Lon
Field 1	Alfalfa, seed	T4N R2W S20	43.66363	-116.60374
Field 10	Potato	T4N R2W S20	43.66791	-116.60188
Field 11	Alfalfa, seed	T4N R2W S20	43.66900	-116.61113
Field 12	Buckwheat	T4N R2W S19	43.66737	-116.61625

# Your Operation Summary Page



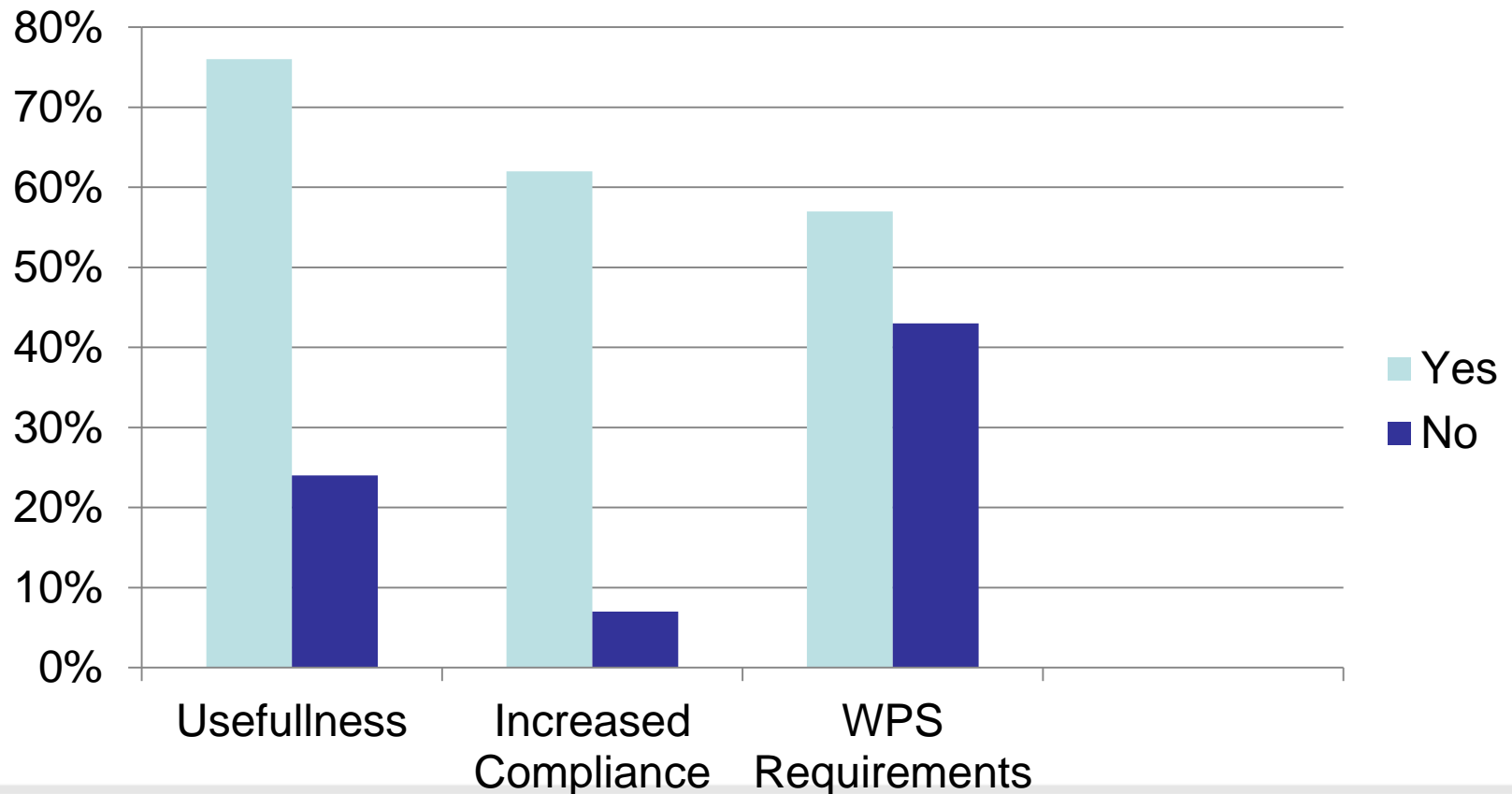
# Locate and Describe each Field on Your Operation



Field 2	Potato	08/15/2009	1/18/2011	Edit	In use
Field 2	Wheat, winter	07/1/2008	8/15/2009	Edit	In use
Field 2	Wheat, winter	07/1/2007	7/1/2008	Edit	In use
Field 2	Alfalfa, seed	07/1/2006	7/1/2007	Edit	Del
Field 2	Beans, seed or dry	09/1/2005	7/1/2006	Edit	Del
Field 3	Alfalfa	09/30/2010	Current	Edit	Del
Field 3	Alfalfa, grass mix	09/1/2008	9/30/2010	Edit	In use
Field 3	Beans, seed or dry	08/1/2007	7/1/2008	Edit	In use
Field 3	Wheat, winter	07/1/2006	8/1/2007	Edit	Del
Field 3	Alfalfa, seed	09/1/2005	7/1/2006	Edit	Del
Field 4	Potato	08/15/2010	Current	Edit	Del
Field 4	Wheat, winter	11/15/2009	8/15/2010	Edit	Del
Field 4	Potato	07/1/2008	11/15/2009	Edit	In use
Field 4	Wheat, winter	07/1/2007	7/1/2008	Edit	In use
Field 4	Alfalfa, seed	07/1/2006	7/1/2007	Edit	Del
Field 4	Alfalfa, seed	09/1/2005	7/1/2006	Edit	Del
Field 5	Potato	01/18/2011	Current	Edit	Del
Field 5	Potato	07/15/2009	1/18/2011	Edit	In use
Field 5	Wheat, winter	07/1/2008	7/15/2009	Edit	In use
Field 5	Wheat, winter	07/1/2007	7/1/2008	Edit	In use
Field 5	Beans, seed or dry	07/1/2006	7/1/2007	Edit	Del
Field 5	Wheat, winter	09/1/2005	7/1/2006	Edit	Del
Field 6	Wheat, winter	11/30/2010	Current	Edit	Del

**Fill in crop history for each field**

# OnePlan User Data



# Soil Fumigant Planner

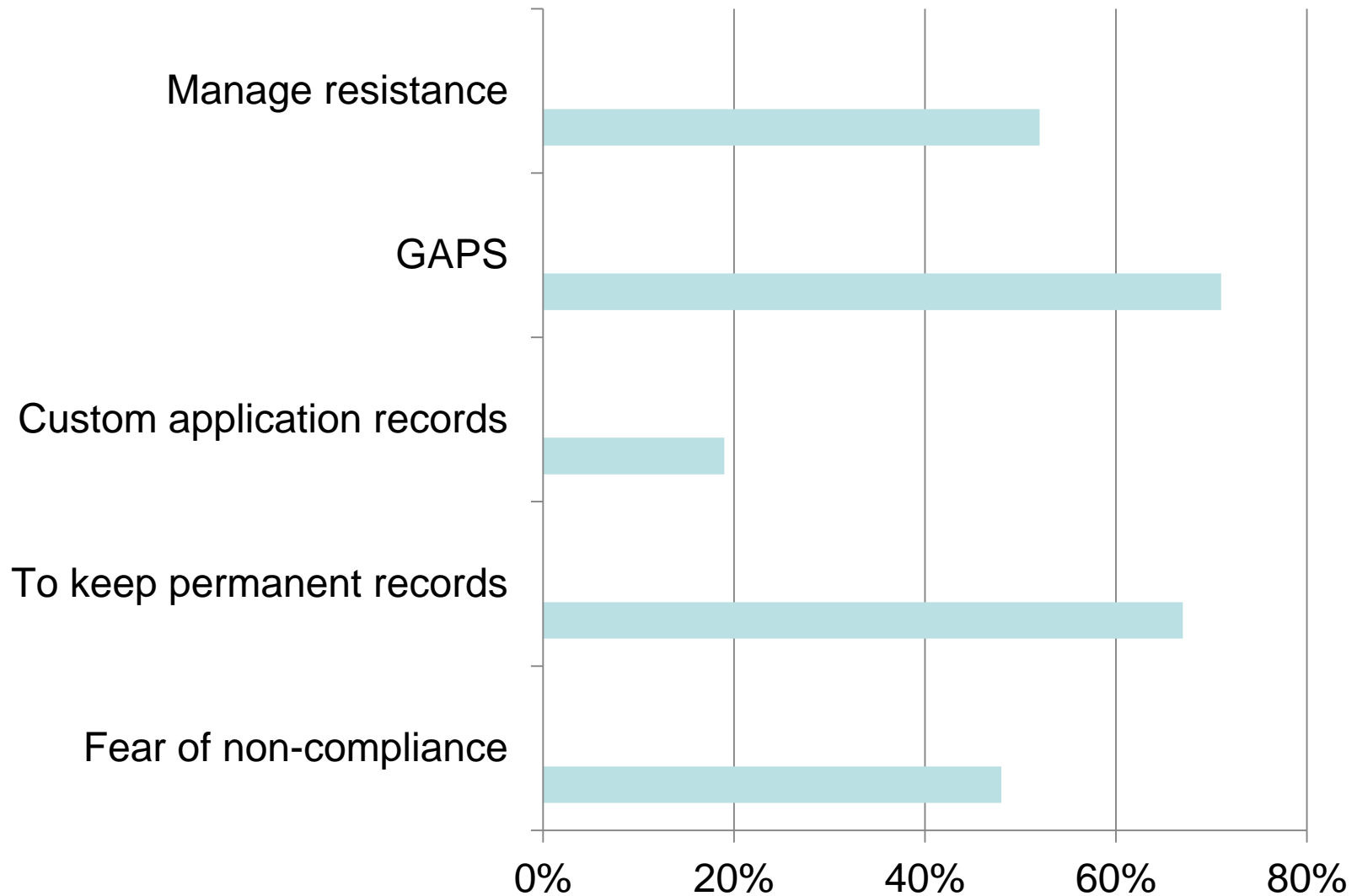


- 28% of clients used the PAR to develop soil fumigation plans
- 80% said it was “very useful”– helping them understand and comply with new requirements

# OnePlan PAR

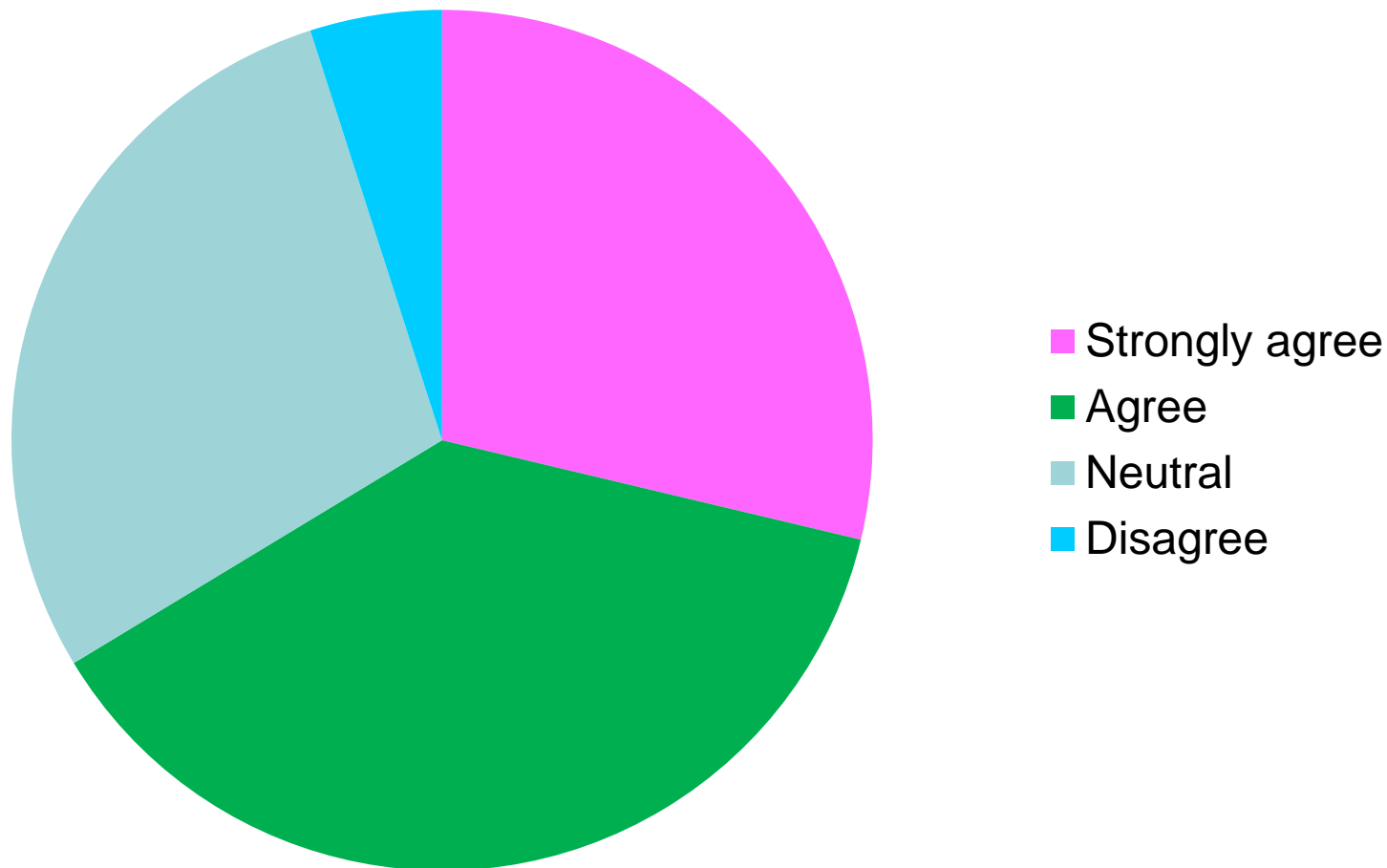


- 52% of users kept better field and crop histories
- 100% would recommend the recordkeeping program to a colleague
- Over 300 users





# Will increase OnePlan usage?



# **PACIFIC NORTHWEST PEST ALERT NETWORK**

Jerry Neufeld,  
Canyon County Extension  
Educator,  
and others

# Cooperators

University of Idaho Extension

Oregon State University Extension

Snake River Sugarbeet Research and  
Seed Alliance

Idaho Alfalfa and Clover Seed Growers  
Commission

Idaho Potato Commission

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<p>Nora Olsen  <a href="mailto:norao@uidaho.edu">norao@uidaho.edu</a>  Extension Specialist  PO Box 1827  Twin Falls, ID 83303-1827  208.736.3600</p>	<p>Clint Shock  <a href="mailto:Clinton.Shock@orst.edu">Clinton.Shock@orst.edu</a>  Malheur Experiment Station  595 Onion Ave.  Ontario, OR 97914  (541) 889-2174</p>
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# PNW Pest Alert Network

[www.pnwpestalert.net](http://www.pnwpestalert.net)

IPM tool designed to increase communication about pest outbreaks and increase management options when pest outbreaks occur in southern Idaho/Eastern Oregon crops



Thanks to our 2014 Sponsors: Idaho Alfalfa & Clover Seed Commission



## Alerts

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## Idaho Potato psyllid monitoring update



Announcements Magic Valley - Idaho

Twin Falls county, Idaho

January 6, 2015 by Jerry Neufeld

All of the potato fields we have been monitoring have been vine killed. We are still monitoring a few harvested fields and our overwintering sites. In the coming weeks we will put together a summary of the monitoring results from this year.

Detailed results for the "intense" fields, which are monitored with 10 sticky traps, vacuum samples, and leaf samples are here:

<https://docs.google.com/spreadsheet/cc?key=0AuZRwfbNUs2YdG15WTNRMkEteHRWRGhpM2ItSXBiR3c#gid=0>

Detailed results for the "light" fields, which are monitored with 4 sticky traps are here:

<https://docs.google.com/spreadsheet/cc?key=0AuZRwfbNUs2YdGvRt2NGs0YzIYYUZaQkNaejhES2c#gid=0>


More information and resources on potato psyllids and zebra chip, including management and scouting recommendations, can be found at the link below.


<http://extension.uidaho.edu/kimberly/tag/potato-psyllid-and-zebra-chip/>

[More information...](#)

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# Forecasting Pest Outbreak





## Colorado Potato Beetle




**Potato Treasure Valley – All**



May 28, 2014 by Stuart Reitz

Overwintering Colorado Potato Beetle adults are beginning to emerge in southwest Idaho. The overwintering adult stage does little damage; however, females are beginning to lay eggs in potato fields. We could see the damaging larvae appear in about 7 to 10 days depending on temperatures. This is the time for growers to be scouting for CPB, especially if they plan to use "soft" foliar insecticides that target control of early instar larvae.

To guard against development of insecticide resistance, post-emergence applications of neonicotinoid insecticides should not be used if a neonicotinoid seed treatment or other at-planting neonicotinoid treatment was used. Examples of neonicotinoid seed or at-planting treatments include Admire, Belay, Cruiser, Gaucho, and Platinum. Examples of foliar neonicotinoid sprays include Actara, Assail, Belay, Endigo ZC, Leverage, Provado and Scorpion.

[More information...](#)



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# Confirmed Pest Outbreaks



## sugarbeet pests

**Sugarbeets**   **Treasure Valley – All**

**Owyhee county, Idaho**

July 11, 2014 by Jerry Neufeld

Powdery mildew has been found by Amalgamated Sugar Company Field Consultants in the Grandview, Idaho area. In addition, Black Bean Aphids have been found in sugarbeet fields in the Grandview and Nampa, Idaho areas. If Black Bean Aphids are found in your fields at a level requiring treatment, you can include an insecticide treatment for Black Bean Aphid in the mildew tank mix. Contact your Amalgamated Field Consultant for information regarding treatment recommendations.



[More information...](#)



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# Announcements




## Idaho and Oregon Alfalfa and Clover Seed Growers Association



**Announcements**   **Treasure Valley – All**



**Canyon county, Idaho**

January 8, 2015 by Jerry Neufeld

The Idaho and Oregon Alfalfa and Clover Seed Growers Association Winter Meeting is January 13, 2015 at the Hampton Inn in Nampa. Click on the pdf below for more information.

[More information...](#) 

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## Pre licensing training for pesticide applicators



**Announcements**   **Treasure Valley – All**



**Canyon county, Idaho**

January 8, 2015 by Jerry Neufeld

A Pre-licensing training for Pesticide Applicators will be held in Caldwell, ID from March 17 to 20. Click on the pdf below for more information.

[More information...](#) 

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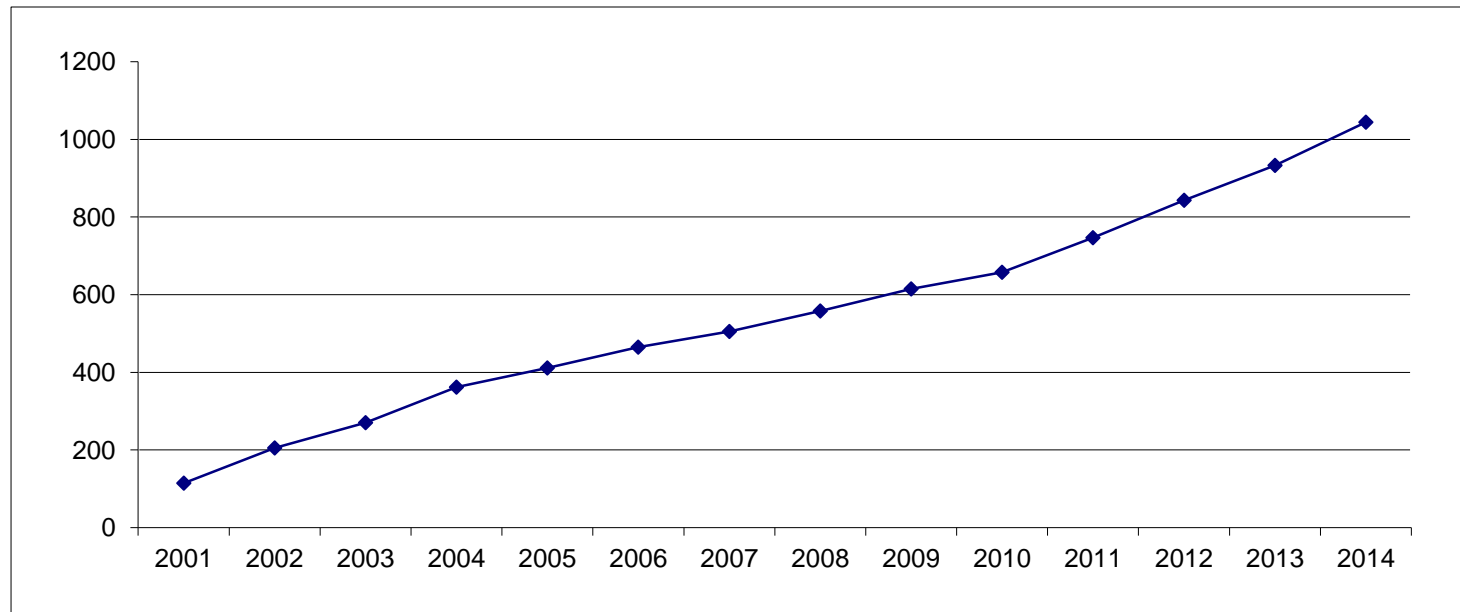
# Alerts

In 2014 alerts were posted regarding...

- potato psyllid-potato
- cereal leaf beetle-grain
- corn earworm-sweet corn seed
- lygus bug-alfalfa seed
- black bean aphid-sugarbeets
- iris yellow virus-onions
- powdery mildew-sugarbeets
- sugarbeet root maggot-sugarbeets

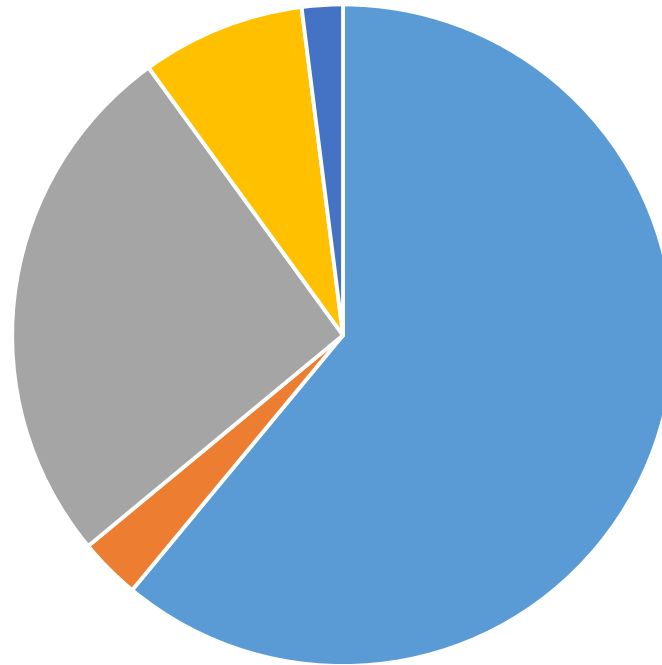


# Number of Subscribers



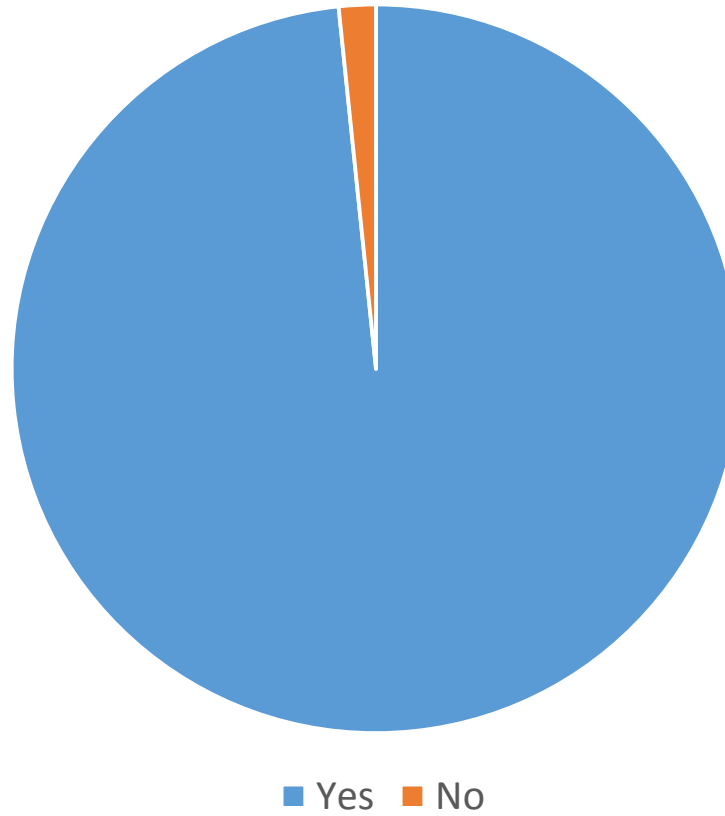
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
115	205	270	362	411	465	505	558	615	658	747	843	933	1044
78.3%	31.7%	34.1%	13.5%	13.1%	8.6%	10.5%	10.2%	7.0%	13.5%	12.9%	10.7%	11.9%	

## Subscriber Location

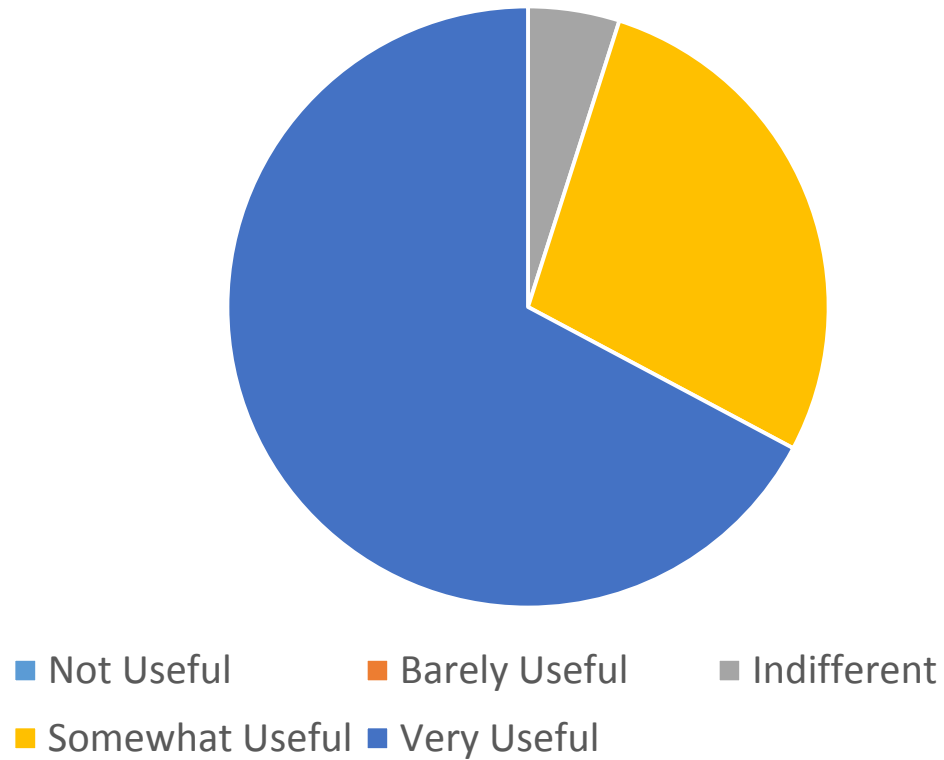


- Treasure Valley, Idaho
- Treasure Valley, Oregon
- Magic Valley
- Eastern Idaho
- Other

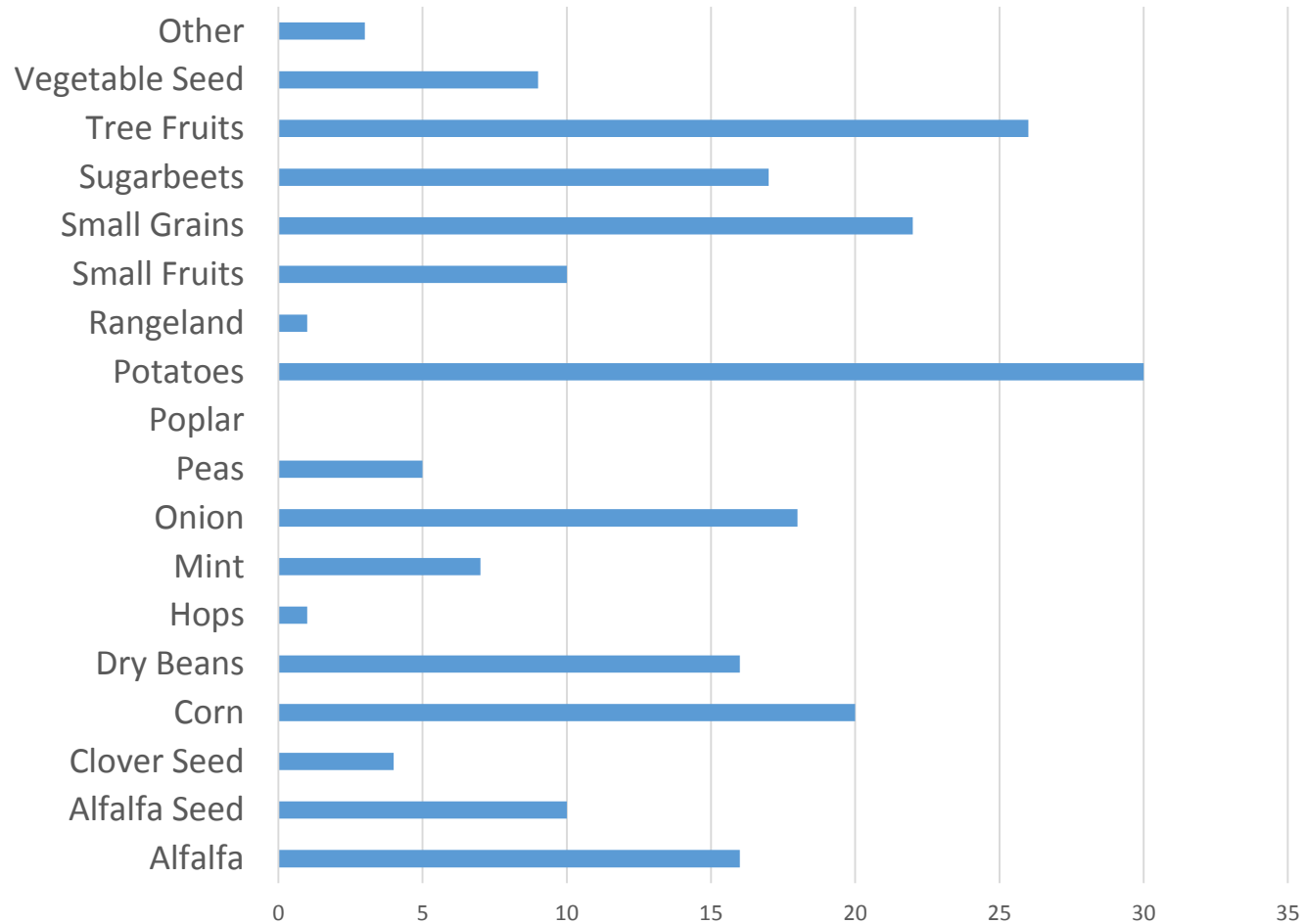
## Website Usefulness



## How Useful

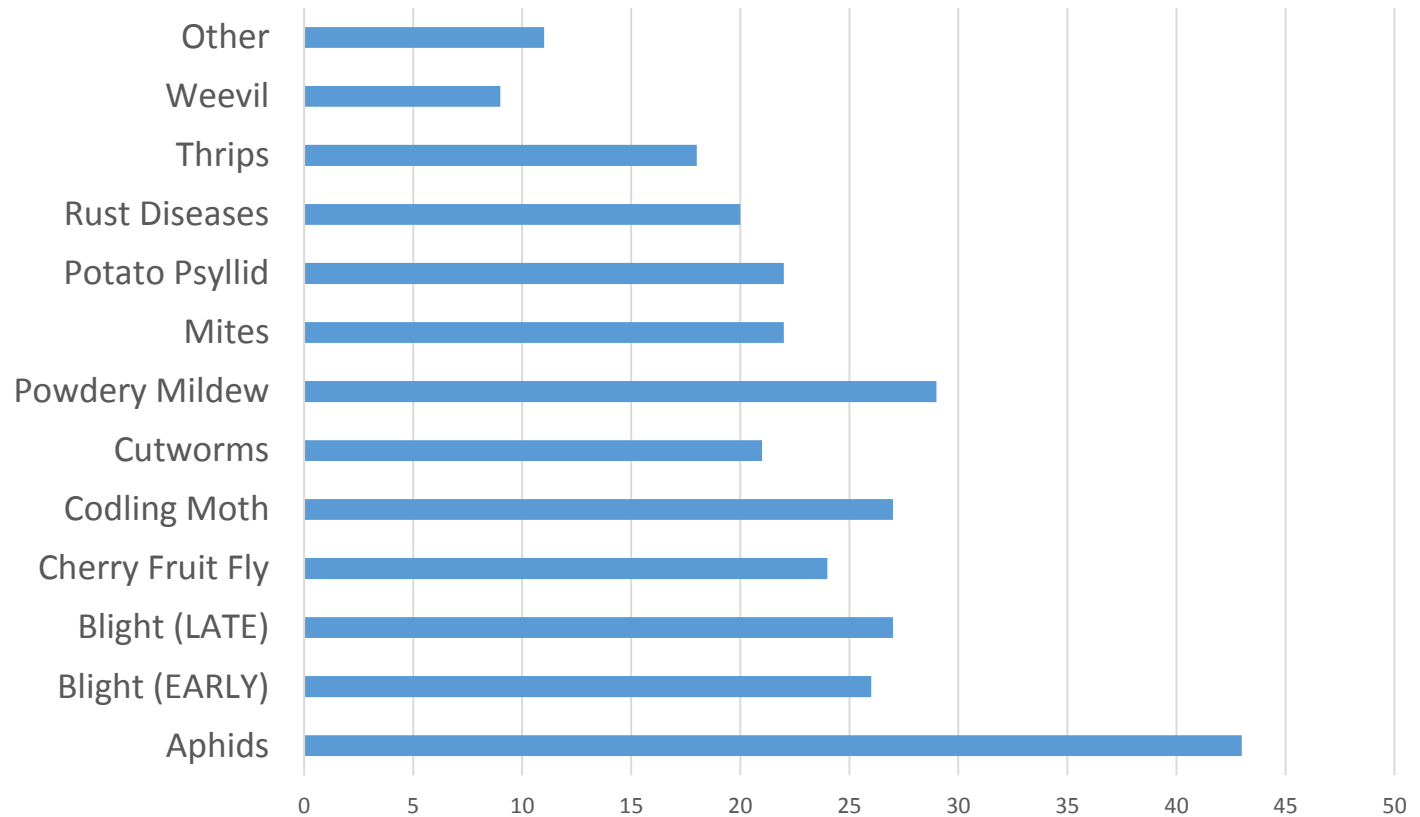


## Primary Crops





### Primary Pests



# 2014 Evaluation

Which statement below best reflects your views?  
Because of information received through  
PNWPestAlert.net...

- A) I increased my field scouting to document the pest level in my fields. 54%
- B) I was able to use additional IPM strategies to control pests because of information I received from TV/PNWPestAlert. 41%
- C) I was able to reduce the number of sprays applied to my crops. 26%
- D.) A spray I applied was more effective due to the timeliness of the application. 57%

# 2014 Evaluation

As a result of the IPM practices being used that were mentioned in the previous slide, PNWPestAlert.net users are reporting that they used 6.1 percent less pesticides on their crops from between 2004 to 2014.

# 2014 Comments about Potato Psyllid

- I watched the reports to see if or when psyllids were in my area. Hot psyllids were not detected in my area and I chose not to spray. This saved money and prevented the use of an expensive insecticide.
- Kept me updated on where populations were in the state and the dynamics of the populations. It especially helped determine the intensity of the scouting needed.
- Knowing presence or absence of psyllids reduced sprays. Knowing absence of liberbacter reduced anxiety.
- The monitoring program cut down on my sprays. In previous years, I started spraying early and kept spraying and the pest pressure turned out to be low in my area. This year I relied more on the network reports and didn't spray until they were found.

# Questions