

Updates From The Division of Ag Resources

University of Idaho Extension – Caldwell
Pesticide Applicator Recertification Training
December 12, 2018

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ISDA Pesticide Compliance Manager



Topics of discussion

- ISDA Division of Agricultural Resources Overview
- Summary of 2018 Inspections & Investigations
- Drones and Pesticides
- Certification and Training Updates



Division of Ag. Resources = Pesticides

- Works to promote, direct and ensure safe agricultural and environmental practices.
- Through education and enforcement, the division ensures compliance with federal and state rules and laws governing pesticide use in Idaho.
- Cooperative agreement with the EPA



ISDA Division of Ag. Resources

Pesticide Services

- Licensing
- Training
- Product Registration
- Water Monitoring

Pesticide Compliance

- Case Review
- Enforcement
- Worker Protection
- Chemigation

Field Services

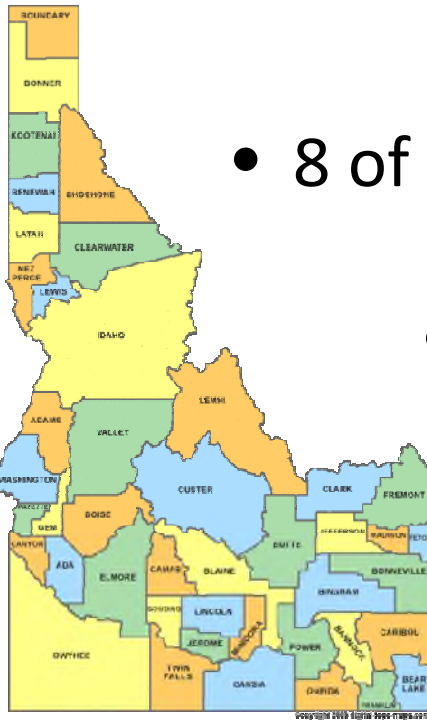
- Inspections
- Investigations
- Exams
- Pesticide Disposal



New Division Leadership



New Investigators



- 8 of 11 on-the-job less than 6 months
- No more desk phones; cell phones only.
- Boise Office at 208-332-8605

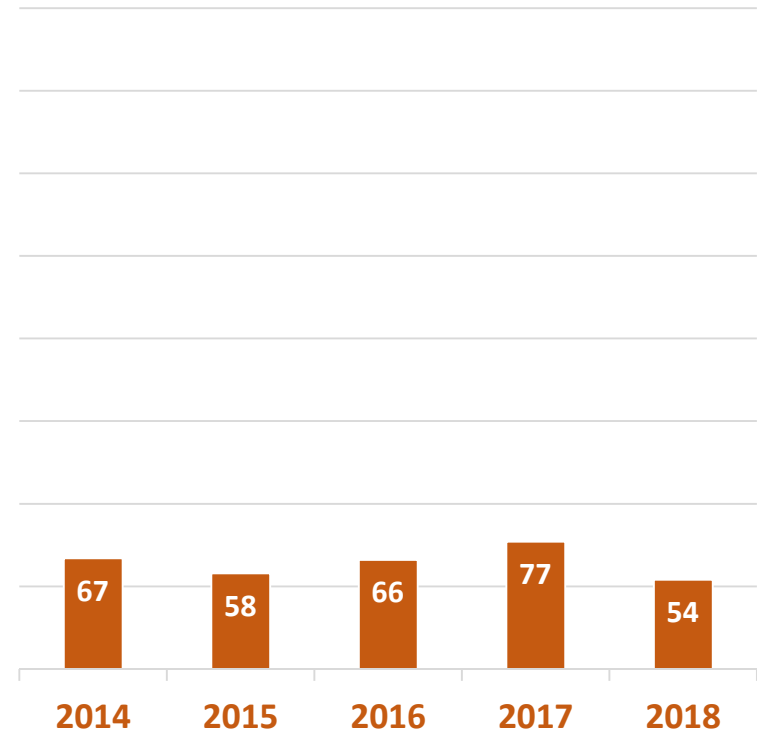
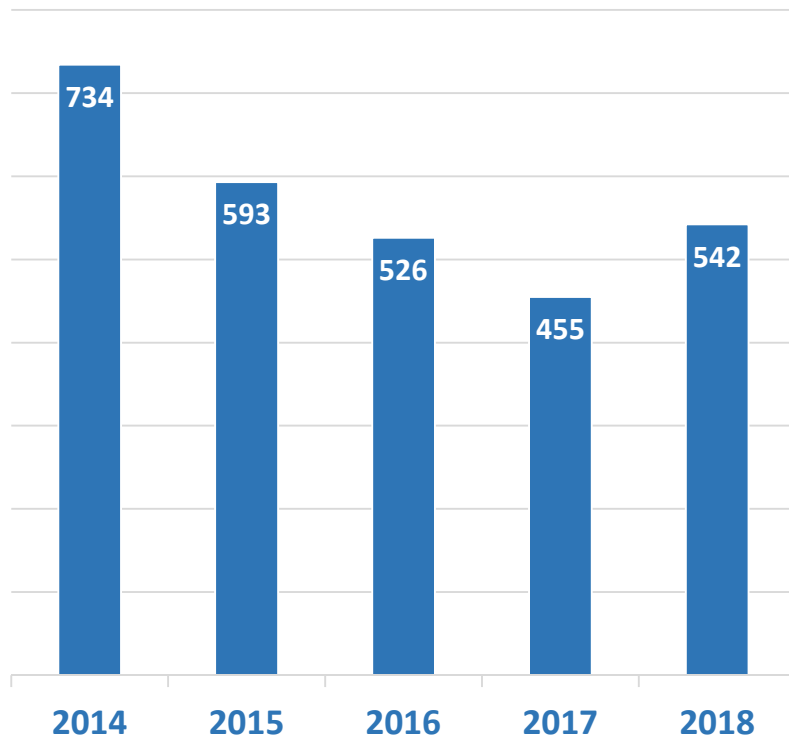


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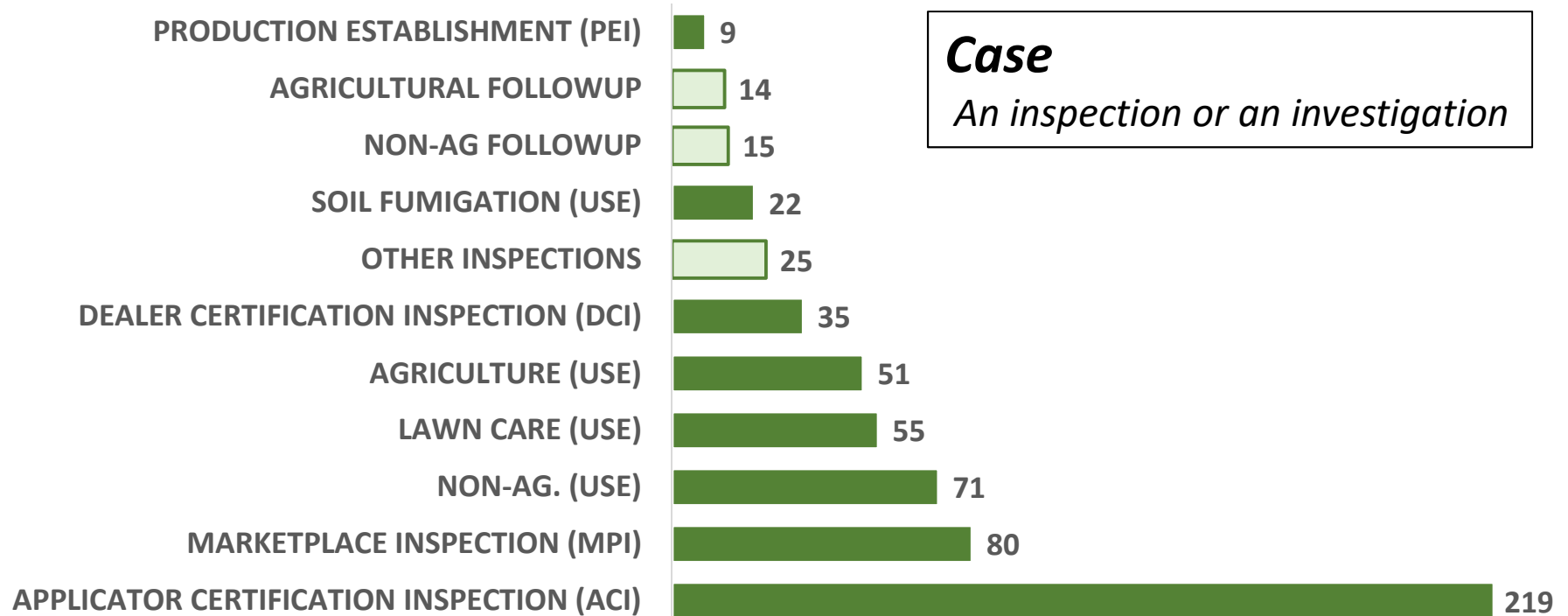
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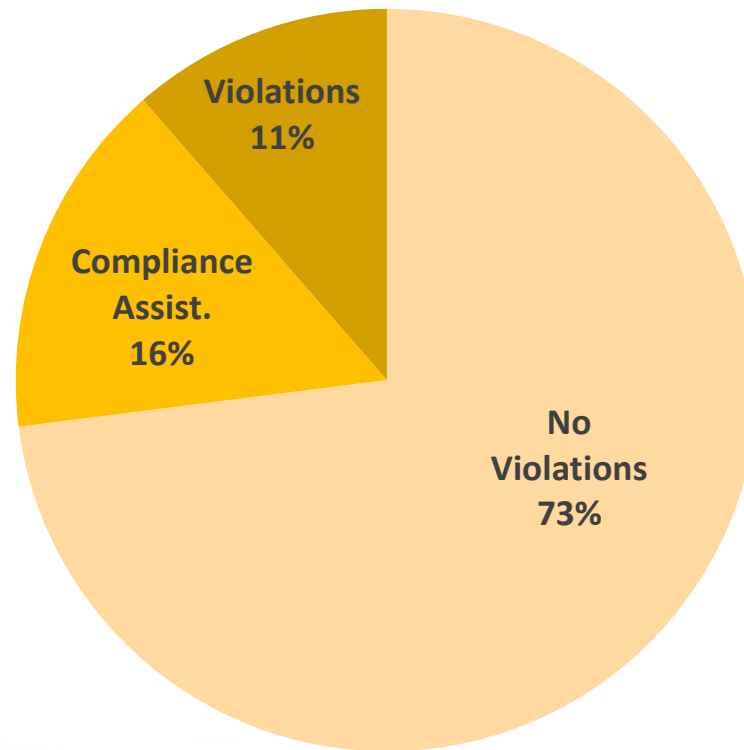
Inspections vs. Complaints



Types of Cases, 2018



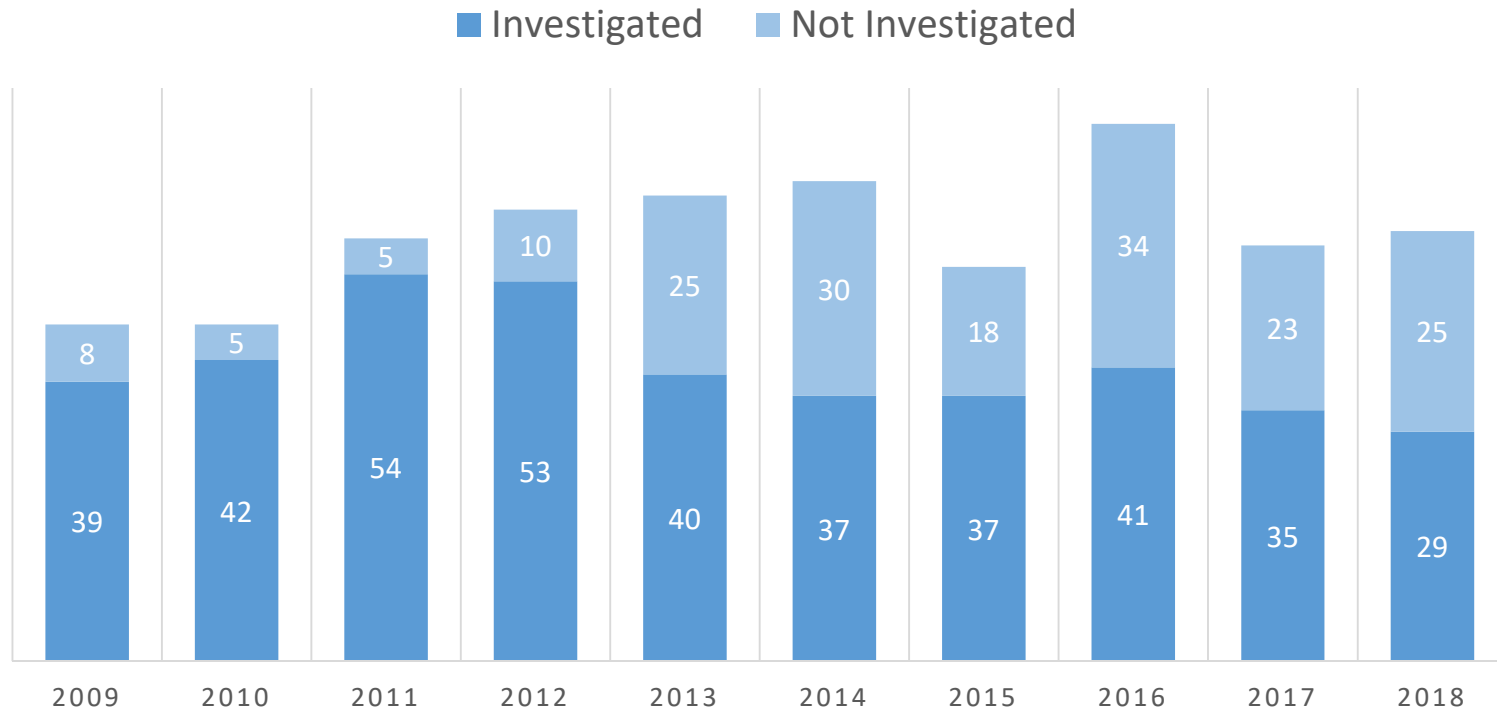
Pesticide Compliance, 2018



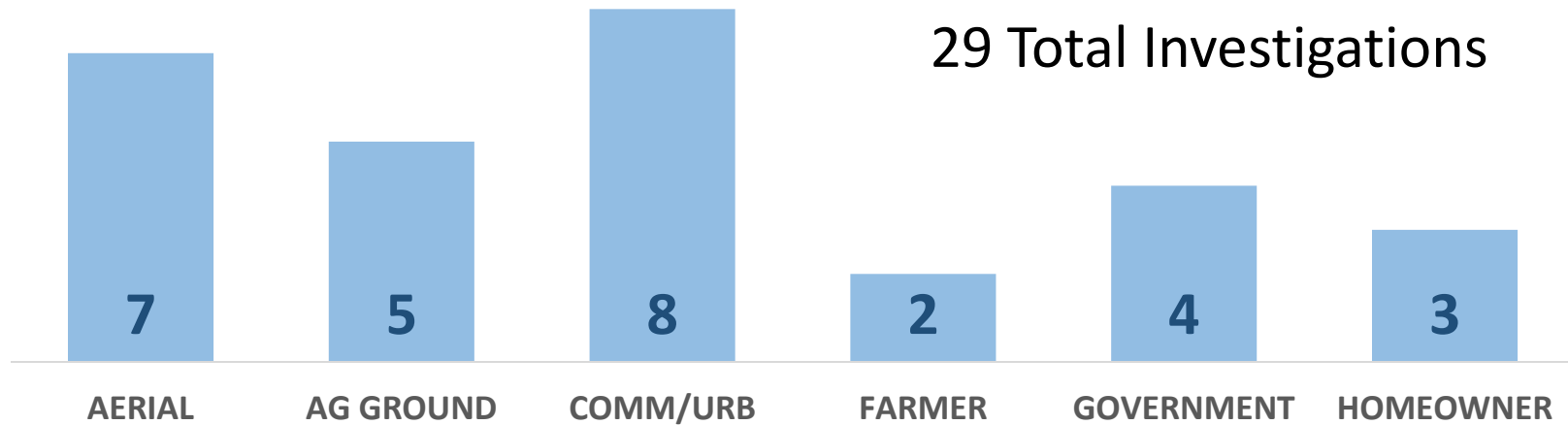
Enforcement Actions, 2018



Past 10 Years of Complaints



Investigations by Applicator Type - 2018



Noteworthy Investigations, 2018

1. **Human exposure** – 7 and 5 year old kids playing in their yard
2. **Human exposure** – workers unknowingly entered treated area during REI
3. **Tree Damage** – several trees damaged by residual herbicides
4. **Unlicensed Applicator** – structural pest applications without proper license category
5. **Ornamental damage** – herbicide drift on to trees

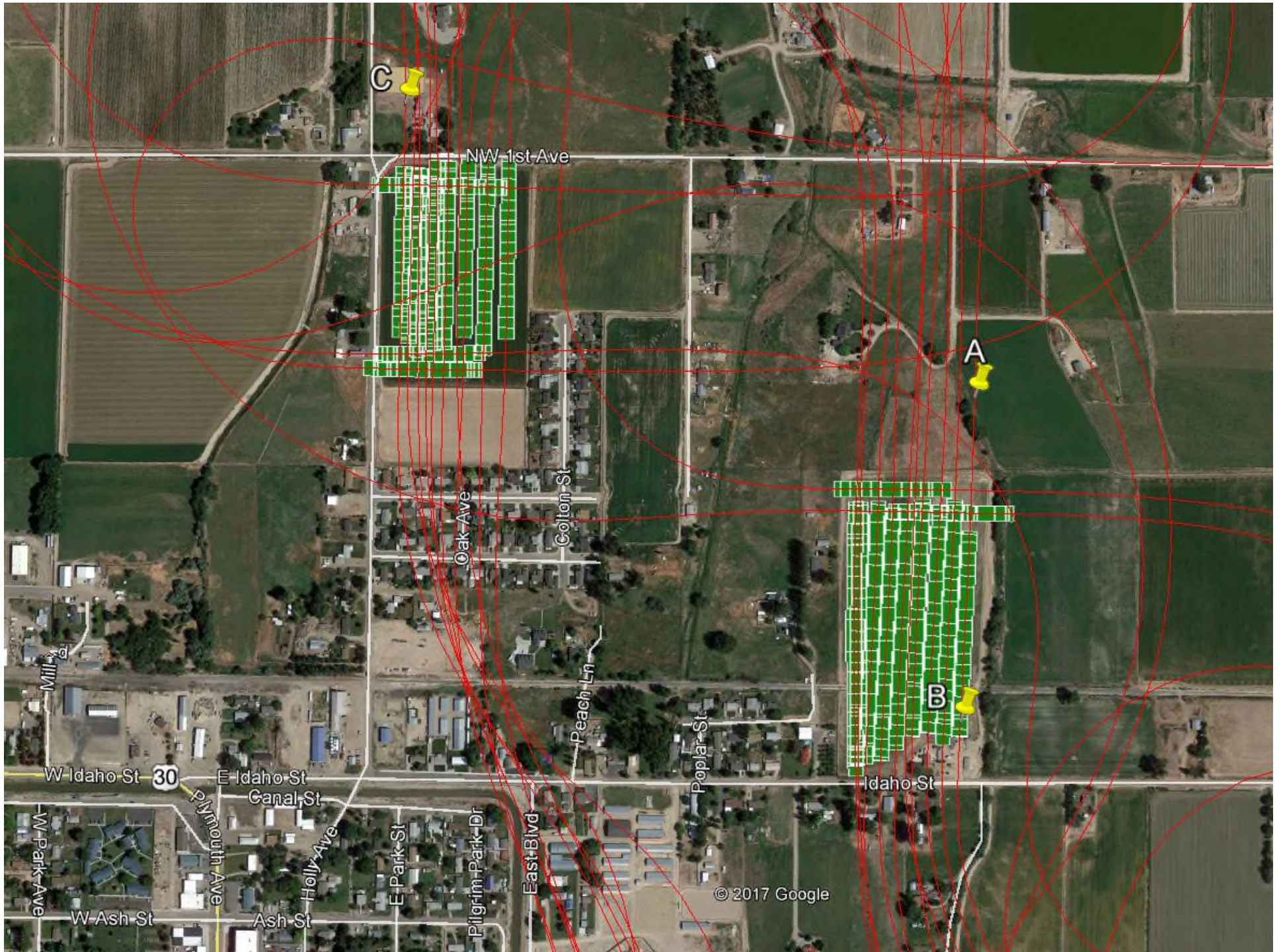


Case #1

Human exposure – kids playing in their yard

- Kids (5 and 7) told their parent that the yellow plane sprayed them as it flew over
- Kids clothing and foliage sample was positive
- Application site was over 300 feet away
- Pilot made applications by flying over homes within city limits

Action: Fine & License Suspension



Idaho Aerial Application Rules

LOW FLYING RULES

LOW-FLYING PROHIBITIONS. Low-Flying Prohibitions. Aircraft pilots during spray operations are prohibited from turning or low-flying:

- a. Over cities, towns, schools, hospitals and densely populated areas unless the pilot obtains an agreement in writing for pesticide applications from the authorized agent for the city, town, school, hospital, or densely populated area in question; or
- b. Directly over an occupied structure without prior notification by some effective means such as daily newspapers, radio, television, telephone, or door-to-door notice.... -IDAPA 02.02.03.310

Idaho Aerial Application Rules

ISDA Rules Governing Pesticide And Chemigation Use And Application, IDAPA 02.03.03

HAZARD AREA RULES

Hazard Area. Cities, towns, subdivisions or densely populated areas.

- IDAPA 02.02.03.004.14

APPLICATION NEAR HAZARD AREAS. An aircraft pilot shall not apply any pesticide within one-half (1/2) mile of a hazard area unless there is air movement away from the hazard area. - IDAPA 02.02.03.600

Case #2

Human exposure – workers unknowingly entered treated area during REI

- No injuries
- Application postponed multiple times
- Improper WPS information exchange

Action: Fine

WPS Priorities

GOAL: PREVENT HUMAN EXPOSURE

1. Application information exchange
2. Training
3. Personal Protective Equipment





PERC

Pesticide Educational
Resources Collaborative

pesticideresources.org

Respirator Guidance

pesticideresources.org

- Decode confusing label language
- Personal fit test guidance



Case #3

Tree Damage— caused by residual herbicide applications

- Right-of-way and misuse in residential areas
- Samples positive for bromacil and diuron
- Product labels explicitly state not to use around trees

Enforcement Actions: Enforcement letters & Fines



Use of Soil Residual Herbicides

- Good for long term weed control
- When choosing a soil residual herbicide:
 - Consider conditions prior to the application
 - Considerations during the application
 - Consider what can happen after the application

Prior to the Application

READ THE LABEL

- Herbicide selection
 - Half-life of active?
 - Weeds to be controlled?
- Product mobility- Leaching, runoff, wind erosion, etc.
 - Soil type and texture?
 - Slope of treatment area?
 - Sensitive areas near the treatment area?

During the Application

FOLLOW THE LABEL

- Avoid off-target drift
- Leave adequate buffer zones near sensitive plants

Case #4

Unlicensed Applicator – structural pest applications without proper license category

- Complainant disappointed with customer service
- Complainant requested applicator's licensing information and reported unlicensed applications
- Applicator advertising structural pest services
- Applicator did not have Structural Pest category

Action: Fine & License Suspension

rangelands. Agriculture Insecticide/Fungicide (AI). Certification in this category shall also certify a person to make insecticide/fungicide applications in rights-of-way, forests, and rangelands. Soil Fumigation (SF). (4-5-00)

iii. Forest Environment (FE). For U.S. Forest Service and Bureau of Land Management personnel, contractors, and private industry personnel who control pests in forests and on rangelands. (3-20-97)

iv. Right-of-Way Herbicide (RW). For railroads, highway departments and others, for roadside weed control, soil sterilant herbicides, and weed control on public lands (non-crop). Certification in the Agricultural Herbicide category shall exempt the applicant from the need to certify in this category. (3-20-97)

v. Public Health Pest (PH). For abatement districts and others controlling mosquitoes and other public health pests. (3-20-97)

vi. Livestock Pest Control (LP). For persons treating livestock pests. (3-20-97)

vii. Ornamental Herbicide (OH). For persons conducting outside urban or residential herbicide applications, with the exception of soil sterilant applications (see Subsection 100.02.a.iv.). Ornamental Insecticide/Fungicide (OI). For persons doing outside urban or residential insecticide and fungicide applications, including exterior applications to residential, urban or commercial buildings, excluding structural destroying pests (see Subsection 100.02.a.ix.). (4-5-00)

viii. General Pest Control Operations (GP). For persons controlling pests in and around residential, commercial, or other buildings, excluding structural destroying pests. (3-20-97)

ix. Structural Destroying Pest (SP). For persons involved in the control of pests which destroy wooden structures, such as bridges, houses, offices, and warehouses. (3-20-97)

x. General Vertebrate Control (GV). For Wildlife Services (WS) personnel of the United States Department of Agriculture-Animal and Plant Health Inspection Service, for controlling vertebrates such as rodents, predators, and birds. (4-5-00)

xi. Rodent Control (RC). For rodent districts and others, for the control of field rodents. Certification in the General Pest Control category shall exempt the applicant from the need to certify in this category. (3-20-97)

xii. Aquatic Weed and Pest Control (AW). For irrigation districts, canal companies and others, for weed and pest control on aquatic sites. (4-5-00)

Case #5

Ornamental damage – herbicide drift on to trees

- Glyphosate onto arborvitae hedge
- Multiple applications neighboring residence
- Buffers were in place
- Symptomology and positive sample results

Action: Advisory letters



11/14/2017 11:49

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Drone Uses For Agriculture

Situational Analysis

Soil, Irrigation, Pests, etc.

Pesticide Applications

Drones & Pesticides

- Restricted in spring of 2018 by EPA's pesticide label interpretation
- FIFRA 2ee allows for use of equipment not on the pesticide label as long as it is not prohibited
- Idaho has no license limiting the use of drones for pesticide applications
- "Swarm Technology" = multiple drones in the air under the control of one operator/pilot.
- Forestry and mosquito abatement industry pursuing use in Idaho

Overview of Aerial Applicator Regulations

FAA

- 14 CFR Part 137

EPA

- FIFRA
- 40 CFR Part 150-180

ISDA

- Ch. 34, Title 22, Idaho Code
- IDAPA 02.03.03



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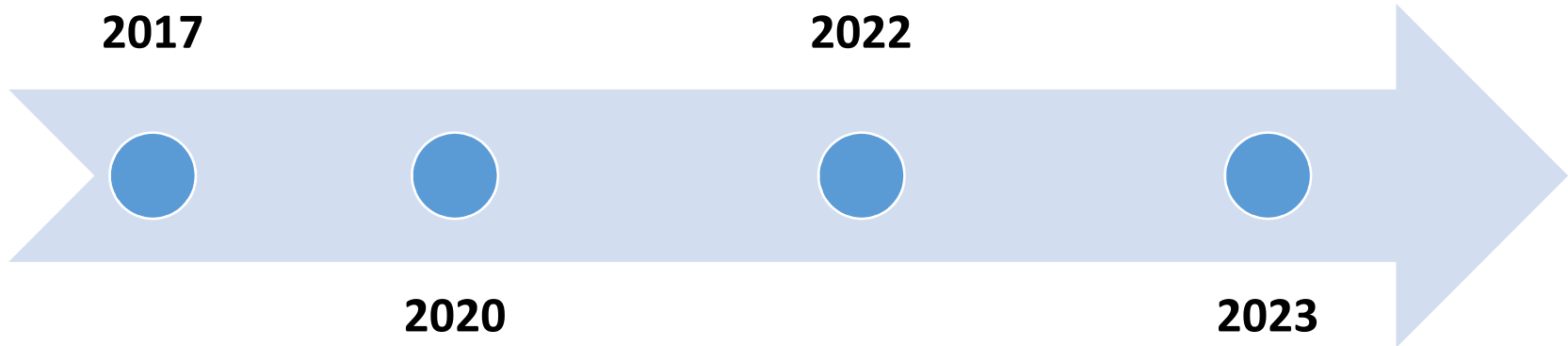
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Federal Pesticide Applicator Certification Rule

Federal
Rule
Effective
2017

EPA Approval Due
2022



2020
State C&T
Plan Due

2023
State Rules
to
Legislature



Soil Fumigation Category

OF

<2013

Need to retest by
December 2019

SF

>=2013

Good to go!



Exam Registration

Spring 2019

Must pre-register

Must pre-pay

Exam Website: Find A Session

Show entries Search:

Session No.	Contact	Phone	Date	Comment	City	County	Location	
20180011	Chuck Hawley	(208) 332-8595	12/14/2018	Pre-registration required. Exam session 9AM-12PM.	Boise	Ada	ISDA	Sign up Roll Call
20180010	Jacob Meirs	(208) 736-4790	12/7/2018	Pre-registration required. Exam session 9AM-12PM.	Twin Falls	Twin Falls	CSI	Sign up Roll Call
20180009	Brandon Smith	(208) 550-1462	11/30/2018	Pre-registration required. Exam session 9AM-12PM	Caldwell	Canyon	TVCC	Sign up Roll Call
20180008	Brandon Smith	(208) 550-1462	11/16/2018	Pre-registration required. Exam session 9AM-12PM.	Boise	Ada	ISDA	Sign up Roll Call

Showing 1 to 4 of 4 entries Previous **1** Next



Exam Website: Register

Exam Session:

Session #20180011 on 12/14/2018 in Boise, Ada County, Pre-registration required. Exam session 9AM-12PM. (ISDA)

Register new Pesticide Applicator - Please fill out the following form:

*Name:	<input type="text" value="First"/>	<input type="text" value="M"/>	<input type="text" value="Last"/>	*SSN:	<input type="text" value="***-**-****"/>
*Street:	<input type="text" value="Street address"/>				
*City:	<input type="text" value="City"/>	<input type="text" value="ST"/>	*Zip:	<input type="text" value="nnnnn"/>	<input type="text" value="nnnn"/>
*County:	<input type="text" value="Select ..."/> ← Scroll down for non-Idaho State selections				
*Phone:	<input type="text" value="(nnn) nnn-nnnn"/>				
Email:	<input type="text" value="Enter email address"/>				(optional)
Employer:	<input type="text" value="Employer Name"/>				(optional) <input type="checkbox"/> I am a Private Applicator

Continue ...



Exam Website: Select Exams

Exam Selection

Select up to 3 Exams:

Total: \$30.00

- | | |
|---|--|
| <input type="checkbox"/> AH - Agricultural Herbicide | <input checked="" type="checkbox"/> OI - Ornamental Insecticide |
| <input type="checkbox"/> AI - Agricultural Insecticide/Fungicide | <input type="checkbox"/> PC - Potato Cellar Pest |
| <input type="checkbox"/> AP - Aquatic Pest Control | <input type="checkbox"/> PH - Public Health Pest |
| <input type="checkbox"/> CH - Chemigation (<i>No charge for PA</i>) | <input type="checkbox"/> RC - Rodent Control |
| <input type="checkbox"/> CP - Commodities Pest Control | <input type="checkbox"/> RU - Private Applicator (<i>No charge for PA</i>) |
| <input type="checkbox"/> FE - Forest Environment | <input type="checkbox"/> RW - Right of Way |
| <input type="checkbox"/> GP - General Pest | <input type="checkbox"/> SF - Soil Fumigation (<i>No charge for PA</i>) |
| <input type="checkbox"/> GV - General Vertebrate | <input type="checkbox"/> SP - Structural Pest Control |
| <input type="checkbox"/> LP - Livestock Pest | <input type="checkbox"/> ST - Seed Treatment |
| <input checked="" type="checkbox"/> LS - Law & Safety | <input type="checkbox"/> SW - Pest Control Consultant |
| <input checked="" type="checkbox"/> OH - Ornamental Herbicide | <input type="checkbox"/> WP - Wood Preservatives |

Note: Private Applicator (PA) type exams (RU, CH, and SF) AND Government Employees are **exempt** from fees



Exam Website: Pre-payment

Information & Instructions

Exam notifications will *ONLY* be sent after payment has been processed by the Boise Licensing Office
Exam results *CANNOT* be given over the phone

Accepted forms of payment (check, money order, or an ISDA Credit Card Authorization) needs to be submitted to the Licensing Office by one of the following options:

FAX: (208) 334-3547
Email: pesticidelicensing@isda.idaho.gov
Mail: Idaho State Department of Agriculture
Division of Agricultural Resources
P.O. Box 7723
Boise, Idaho 83707

Complete Enrollment: Click the *Complete Enrollment* button below to finish signing up and to create your exam session invoice

MOVE TO PAY NOW / PRINT INVOICE VIEW If you prefer, you may also enroll and print an invoice and then either pay later or pay online at [Online Pay](#). If so, click the *Complete Enrollment & Print Invoice* button below to continue ...

You will *NOT* be allowed to take examinations unless they have been paid for prior to your arrival at the exam session



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