

Quarantined  
& Regulated  
Pests

Chemicals &  
Pesticides

Fieldwork

Vertebrates

Biosafety

Human  
Subjects

# PRINCIPAL INVESTIGATOR EH&S

## Compliance Quick Guide

Responsibilities & resources for your project



University of California  
Agriculture and Natural Resources



## Responsibilities

Projects and activities associated with exotic pests (including insects, pathogens, plants, etc.) often require a permit.

### As a PI you are responsible for:

- Securing all necessary permits
- Review and follow permit requirements
- Distribute permit & train project collaborators & staff on permit requirements.
- If permit requirements do not match project protocols or if the project changes, work with the permitting agency to revise the permit.

## Actions

### Obtain Plant Pest Permits

[http://www.cdfa.ca.gov/plant/docs/form66026\\_p1.pdf](http://www.cdfa.ca.gov/plant/docs/form66026_p1.pdf)

### Obtain Permits for Out of State Pests

[http://www.aphis.usda.gov/plant\\_health/permits/index.shtml](http://www.aphis.usda.gov/plant_health/permits/index.shtml)

### Obtain Quarantined Regulated Pest Permits

[http://www.cdfa.ca.gov/plant/docs/form\\_66-045\\_fill-in.pdf](http://www.cdfa.ca.gov/plant/docs/form_66-045_fill-in.pdf)

### Take Required Training

<http://ucanr.org/plantpesttraining>

### More Information

<http://ucanr.org/plantpest>

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## Responsibilities

As a PI working with chemicals or pesticides in a lab setting, you are responsible for:

### Hazardous chemicals in a laboratory setting

- Proper reporting of the chemical and pesticide inventory
- A written Chemical Hygiene Plan that includes standard operating procedures
- Staff training
- Proper labeling, storage, and disposal methods

### Pesticides in a greenhouse or outdoor/field setting

- Proper reporting of pesticide use to the local Agricultural Commissioner
- Maintenance of a chemical and pesticide inventory
- Staff training
- Proper labeling, storage, and disposal methods

Additional requirements for the use of recognized chemical carcinogens also apply as appropriate.

## Actions

### Review Laboratory Safety

**Resources** #127 and #140 and/or Training Videos E-029 and E-075.

### Review Hazardous Waste

### Management Safety Resources

#056 and/or Project Leader Guideline for Laboratory Accumulation of Hazardous Waste.

### Safety Notes

### Prepare Chemical Hygiene Plan

<http://ucanr.org/chemhyg>

### More Information:

<http://ucanr.org/labsafetrain>

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## Responsibilities

**As a PI you are responsible for:**

Planning for natural hazard and outdoor conditions including:

- Identification of hazards
- Monitoring for severe weather conditions
- Use of appropriate personal protective equipment
- Establishment of controls to eliminate or reduce hazards
- Carry an emergency communication device
- Task-specific safety and health training

### **Warm-season outdoor work**

Prepare a written Heat Illness Prevention Plan

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## Actions

**Mitigate hazards associated  
with fieldwork**

<http://ucanr.org/fieldwork>

**Prepare Heat Illness  
Prevention Plan**

<http://ucanr.org/app-h>

**More Information**

<http://ucanr.org/fieldops>

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## Responsibilities

An IACUC must review and approve all projects and teaching exercises involving the use of vertebrate animals before project procedures are performed.

### As a PI you are responsible for:

- Submitting a protocol to an IACUC for approval
- Complete the campus-specific animal care training
- Participate in the campus-specific Occupational Health program, as required

## Actions

### Obtain Approval from IACUC

ANR utilizes the IACUCs from the UC Berkeley, Davis, and Riverside campuses.

Hopland and Sierra Foothill Research and Extension Centers require approval by the REC-specific Animal Research Committee.

### More Information:

[http://ucanr.org/pitraining\\_animal](http://ucanr.org/pitraining_animal)

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## Responsibilities

A Biological Use Authorization (BUA) from a campus Institutional Biosafety Committee (IBC) is required for any project involving recombinant DNA or other biohazardous agents or materials.

**As a PI you are responsible for:**

- Obtaining BUA from IBC
- Complete training approved by the campus IBC
- Follow BUA requirements, including handling, record-keeping, and training

## Actions

### Obtain Biological Use Authorization

ANR utilizes the IBC of the UC Berkeley, UC Davis, and UC Riverside campuses.

### More Information:

[http://ucanr.org/pitraining\\_biosafety](http://ucanr.org/pitraining_biosafety)

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## Responsibilities

For projects involving human subjects include investigation of behavioral, sociological, and nutritional studies; and images, questionnaires, interviews, and other procedures, Federal regulations and University policy require that a campus Institutional Review Board (IRB) review and approve all projects that involve human subjects before any human studies are begun.

### As a PI you are responsible for:

- Obtaining IRB Approval
- Complete online human subject training approved by the Campus IRB

## Actions

### Obtain IRB Approval

ANR utilizes the IRB of the UC Berkeley, UC Davis, and UC Riverside campuses.

### More Information:

[http://ucanr.org/pitraining\\_human](http://ucanr.org/pitraining_human)