CROP ISOLATION MAP
TABLE OF CONTENTS

Click on any item below to jump to that section

❖ **Purpose and Background**
❖ **Log In**
❖ **Initial Page**
❖ **Mapping Functions**
  ❖ **Zooming to a Location**
  ❖ **Show Pop-ups**
  ❖ **Show Pins**
  ❖ **Draw Field**
  ❖ **Edit Field**
    ❖ **Erase Field**
    ❖ **Edit Field Boundaries**
❖ **Pinning Menu**
  ❖ **Field Violations**
  ❖ **Pin Field**
❖ **Draw Radius**
❖ **Yard Stick**
❖ **Editing Your Pins**
❖ **Contact Us**
Purpose

To facilitate communication and sharing of field information between seed companies producing different varieties of sunflower and vegetable crops in order to prevent isolation conflicts.

Background

Certain functions of the map can be updated as needs of the industry change (i.e. changing isolation distance, adding new crops, adding/removing field information, etc.).

- Sunflower Fee: $10/pin (fee voided if pin changed to “inactive” before 30 days of initial pinning date)
- Vegetable Fee: $10/pin (fee voided if pin changed to “inactive” before 7 days of initial pinning date)
LOGIN

To login, click on “Go to the map”.

Crop Isolation Pinning Map - California
This map is for vegetables crops, safflower, and sunflower.

Crop Isolation Map Tutorial (pdf)

Go to the map

Billing information:

1. Sunflower
   ◦ Pins are billed after 30 days at $10 per pin.
   ◦ If the status of a pin is changed to "inactive" prior to 30 days there will be no charge for the pin.
   ◦ Inactive pins are deleted immediately.

2. Vegetables
   ◦ Pins are billed after 7 days at $10 per pin.
   ◦ If the status of a pin is changed to "inactive" before 7 days there will be no charge for the pin.
   ◦ Inactive pins are NOT deleted from the map.
Permissions are assigned to a **company** by the CCIA. Contact us at 530-752-0544 if your company is not already in our database.

Permissions are assigned to an **individual** by a company representative adding a “New Employee” to their account using the CCIA website section “Update Company Profile” under the “**Members Only**” page. To login to update your company profile, you must use your **organization ID number** and **assigned password**.

**LOGIN**

Login to the map using your **email address** and **self-selected password**.
The initial page is this map of California. The default view is “Overview Map”.
There is a menu bar at the top of the map.

You are here.

Each company is assigned permissions to view specific crops. In this view, you can view pins for all those crops.
There is a menu bar at the top of the map.

Click here to pin sunflower fields.

Click here to pin cucumber fields.
Menu on the left side of screen provides mapping functions.
Zoom to the location of your choice in several different ways:

1. Enter latitude & longitude of desired location; the map will place this location in the center of the screen.

2. Select county from a drop down list (currently limited to CA).

3. Enter text for any location that may be noted on the map (city, national park, etc.).

4. Point to a specific area on the map and double click repeatedly or use the mouse roller.

5. Use Shift + hold click to draw a square on the map. Let go of mouse, click to zoom.

Move the viewable area by clicking and dragging the mouse.
The map is programmed with helpful pop-up instructions like this:

As you become more familiar with the mapping functions, you may choose to turn off instruction pop-ups.
If there are a lot of pins on the map, depending on your connection speed, it may take a minute or more for the pins to show. If it is taking a while to map the pins, be patient and wait for the pins to show.

Click button “Show Pins” to show all pins.

If you zoom to a specific location and show pins, when you zoom out you will continue to see only the pins that showed in the zoomed screen.

Tip: Zoom to show a large area of interest, click “Show Pins”, then as you zoom in and out all pins will continue to show.
All pins you select are displayed; different shapes for different crops.

Examples:
- Onion
- Safflower
- Sunflower
- Wild Sunflower Area

- YOUR pins will be yellow or outlined in yellow.
- Pins for ALL other companies will be purple or outlined in purple.
MAPPING FUNCTIONS – SHOW PINS

Zooming in shows actual field location and boundaries of the field.

Mouse-over a yellow pin (your company) to view detailed field information:

- Pin ID
- Company
- Crop
- Variety
- Planting Date
- Type
- Pin Status
- Date Pinned
- Comments
Zooming in shows actual field location and boundaries of the field.

- Show instruction pop-ups?
- Show existing pins for 2015
- Show these Crops

Mouse-over a purple pin (other company) to view detailed field information:

- Pin ID
- Company
- Crop
- Planting Date
- Type
- Pin Status
- Date Pinned

(Everything, but variety and comments.)
Change view from “Overview Map” to one of the pinning maps.

When you select the crop to pin, the map will open with pin detail information for you to fill in at the top.
After zoomed in to field, click on “Drawing Mode OFF” or on the green polygon icon to turn on the ability to mark boundaries of field you plan to pin.
Drawing mode is now on.

Left click to begin drawing boundaries of field.

Draw field clockwise. Right click to close field.
Continue to left click clockwise to draw field.
When you get to the final point, **right** click to close the polygon.
MAPPING FUNCTIONS – EDIT FIELD

If you made a mistake you can:
- Select “Clear Map” or click on the pink eraser to clear the field and start over.
- Click on the pencil to edit the boundaries of the field.

Note: You can only edit your field prior to clicking “Pin Field”. Once you have pinned the field you can only make the pin inactive from the “Your Pins” page.
There are two ways to erase a field:

1. Select “Clear Map”, field will erase automatically. This will also hide all other pins showing on map. Click “Show Pins” to view other pins again.

2. Click on pink eraser, then click on field you want to erase and it will disappear.
MAPPING FUNCTIONS – EDIT FIELD

EDIT FIELD BOUNDARIES

1. Click on pencil to edit boundaries of field.

2. After clicking on pencil, click on field you would like to edit boundaries of. White dots around border will appear, click and drag white dots to redraw boundaries of field.
3. Keep clicking and dragging any white dot until desired field boundary is achieved.

4. Once you are done editing boundaries, click on pencil to finalize changes- white dots will disappear.
Enter field information in the pinning menu.
Select your crop from the drop down menu.

Select type from the drop down menu.

Enter variety name.

Enter number.

Choose status of pin from drop down menu.
- “Pushed”- intend to plant here.
- “Planted”- you have signed contract and field is planted.

Click “Pin Field” to submit and pin field.

Date field was/will be planted.

Only your company sees these comments.
The map is programmed to measure the distance between fields pinned. If you pin a field within isolation of another field the following message will be displayed (distances are based off of CCIA crop standards):

- **WARNING** This field appears to violate the isolation standards for the following pin(s):
  
  Pin ID: 17705, Hybrid field within 1.25 miles

You may still submit a pin in this location. Notifications will be sent to CCIA and any company with pins in violation.

Choose to either pin with violation or cancel the pin and choose a new field.
After you click “Pin Field” a message at the top of the pinning menu will read “Field successfully pinned. Pin ID: #”.

You only need to click the “Pin Field” button once. If you click it more than once multiple pins will be pinned on the same field resulting in duplicate charges.
You may draw a radius to find if any field is within isolation of your existing field or where you would like to pin your field.

Type in radius distance you would like to verify. Select Miles or Kilometers. Click “Draw Radius”.

Pop-up reminds you to right click at the center of your requested radius. Click “Draw Radius” again to cancel circle drawing.

Simulated Data
1 mile radius was selected. Right clicking on all four corners of this field drew a blue circle with a 1 mile radius each time. This shows every field within a 1 mile radius of this field.

Click on “Clear Map” to remove blue circles. Pins will be removed also, click on “Show Pins” to view pins again.
You can measure the distance between fields in miles.

Click “Yard Stick” to measure distance between fields.

Pop-up reminds you to right click on the point you wish to include in your distance. Click on “Yard Stick” again to cancel measurement taking.
Click on “Clear Map” to remove red line. Pins will be removed also, click on “Show Pins” to view pins again.

Distance in miles is displayed here.

Red line indicates where distance was measured between.
Click on “Your Pins” to view a list of your pins.
All pins are assigned a unique number (ID) in the order they are entered – no matter which company enters the pin. Your pin list will not have sequential numbers.

EDITING YOUR PINS

- **Enter pin ID to search for a specific pin.**
- **Sort table by clicking on any of the headers.**
- **Choose which crop year you would like to see pins for.**
- **Click “Select” to edit pin information.**
After selecting a pin to edit, your screen will look like this:

Only white boxes can be edited.

“Select” was clicked for editing this pin’s information.

If you change the status of a sunflower pin to “inactive”, the pin will be immediately canceled and removed from the map. “Inactive” vegetable pins are NOT removed from the map.

If the status is changed to “inactive” prior to 30 days for sunflowers and prior to 7 days for vegetables from the initial pinning date, there will be no fee charged.
For more information or assistance, please contact:

Timothy Blank
Email: tjblank@ucdavis.edu
Phone: 530-754-4854

If Timothy is not available, call the main office:
530-752-0544