ALFALFA ISOLATION MANAGEMENT MAP
Purpose
- To facilitate communication and sharing of field information between companies producing different varieties and types of alfalfa 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.).
- Users must annually sign a confidentiality agreement.
- Fee: $10/pin (fee voided if pin changed to “inactive” before 11:00pm on the date of initial pinning)
To login, click on “Go to the map”.

Alfalfa Isolation Management Map

This map is for GE alfalfa fields. See Alfalfa Isolation Map Tutorial (pdf) for isolation distances programmed into the map.

Billing information:

1. Pins are billed each night at 11:00 pm at $10 per pin.
2. If the status of a pin is changed to "inactive" before this time there will be no charge for the pin.
3. Inactive pins are deleted from the map after 60 days.

Grower Opportunity Zones (GOZ) are defined geographic areas within which a validated super-majority (>80%) of alfalfa seed growers elect to focus on the production of either APS or GE alfalfa seed. These areas may be identified on the map at your request. The National Alfalfa and Forage Alliance manages the submission and approval of all GOZs. If you are interested in specific information about GOZs check the National Alfalfa & Forage Alliance web site at NAFA.

New map year begins August 1st of each year.
Permissions are assigned to an individual by the CCIA. To request access, contact us at 530-752-0544.

Login using your email address and self-selected password.
This agreement replaced the signed agreements and will appear the first time a user attempts to access the Alfalfa Isolation Management Map after August 1st of each year. This agreement is required to be signed each year before access to the map is granted.

You must accept the agreement in order to gain access.
The initial page is this map of California.

Mapping functions are on the left side of the map.
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 selected will be displayed; different colors for different designations.

**Pin Designations:**
- Your pins
- Other company pins
- GE fields pinned by your company
- GE fields pinned by other company
- Conventional hay fields
- GE hay fields
- GE Grower Opportunity Zone (GOZ)
- Adventitious Presence Sensitive (APS)

- 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
- Cultivation (Category)
- Crop (Hay or Seed)
- Type
- Class (of Seed)
- Pin Status
- Date Pinned
- Expected Last Harvest
- Comments
Zooming in shows actual field location and boundaries of the field.

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

- Pin ID
- Company
- Crop
- Planting Date
- Cultivation (Category)
- Crop (Hay or Seed)
- Type
- Class (of Seed)
- Pin Status
- Date Pinned
- Expected Last Harvest

(Everything, but variety and comments.)
Zoom to field you plan to pin.

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 delete and 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.
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 category from drop down menu.
- Conventional
- RR- Roundup Ready
- RR/RL- Roundup Ready/Reduced Lignin
- Organic
- APS

Enter variety name.

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

Select type from drop down menu.

Select class from drop down menu.

Indicate year of planned last harvest.

Enter number.

Date field was/will be planted.

Click “Pin Field” to submit and pin field.

Only your company sees these comments.
The map is programmed to measure the distance between pinned fields. A warning is displayed if you pin a field within isolation of another field, according the following chart:

### MAPPING FUNCTIONS – PINNING MENU

**FIELD VIOLATIONS**

<table>
<thead>
<tr>
<th>Seed</th>
<th>Conventional</th>
<th>APS</th>
<th>Organic</th>
<th>GE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS</td>
<td>2 miles</td>
<td>crop standard</td>
<td>crop standard</td>
<td>5 miles</td>
</tr>
<tr>
<td>Organic</td>
<td>2 miles</td>
<td>crop standard</td>
<td>crop standard</td>
<td>5 miles</td>
</tr>
<tr>
<td>GE</td>
<td>3 miles</td>
<td>5 miles</td>
<td>5 miles</td>
<td>crop standard</td>
</tr>
</tbody>
</table>

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<th>Organic</th>
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<td></td>
</tr>
<tr>
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<td>2 miles</td>
<td>crop standard</td>
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<tr>
<td>Organic</td>
<td>2 miles</td>
<td>crop standard</td>
<td>crop standard</td>
<td>2 miles</td>
</tr>
<tr>
<td>GE</td>
<td>crop standard</td>
<td>crop standard</td>
<td>crop standard</td>
<td>crop standard</td>
</tr>
</tbody>
</table>

**HAY**

<table>
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<th>Conventional</th>
<th>APS</th>
<th>Organic</th>
<th>GE</th>
</tr>
</thead>
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<td>crop standard</td>
</tr>
</tbody>
</table>

**To view crop standards, click [here](#).**
Example: You attempt to pin an Organic seed field within isolation distance of a Conventional seed field already pinned on the map.

- **WARNING** This field violates the isolation standards of the Alfalfa Seed Stewardship Program for the following pin(s):
  - Pin ID: 17709, Conventional Seed field within 2 miles
  - Pin ID: 17706, Conventional Seed field within 2 miles

If you choose to continue pinning this field, all parties involved will be notified via email.

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.

Field has been successfully pinned. Pin ID # is displayed.

Field successfully pinned. Pin ID: 17893

Only click “Pin Field” once.
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 on “Clear Map” to remove blue circles. Pins will be removed also, click on “Show Pins” to view pins again.

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.
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.

Red line indicates where distance was measured between.

Distance in miles is displayed here.
EDITING YOUR PINS

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**

Choose which crop year you would like to see pins for.

Enter pin ID to search for a specific pin.

Sort table by clicking on any of the headers.

Click “Select” to edit pin information.

<table>
<thead>
<tr>
<th>ID</th>
<th>Crop</th>
<th>Category</th>
<th>Variety</th>
<th>Type</th>
<th>Status</th>
<th>Acres</th>
<th>Date Planted</th>
<th>Date Entered</th>
<th>Last Harvest</th>
</tr>
</thead>
<tbody>
<tr>
<td>17708</td>
<td>Alfalfa</td>
<td>Organic</td>
<td>test</td>
<td>Hay</td>
<td>Signed</td>
<td>60.00</td>
<td>10/13/2015</td>
<td>10/23/2015</td>
<td>2020</td>
</tr>
<tr>
<td>17706</td>
<td>Alfalfa</td>
<td>Conventional</td>
<td>test</td>
<td>Synthetic</td>
<td>Inactive</td>
<td>30.00</td>
<td>10/8/2014</td>
<td>10/23/2015</td>
<td>2019</td>
</tr>
<tr>
<td>17707</td>
<td>Alfalfa</td>
<td>RR/RL</td>
<td>test</td>
<td>Hybrid</td>
<td>Signed</td>
<td>45.00</td>
<td>11/12/2014</td>
<td>10/23/2015</td>
<td>2019</td>
</tr>
</tbody>
</table>
After selecting a pin to edit, your screen will look like this:

- Only white boxes can be edited.
- “Select” was clicked for editing this pins information.

If you change the status of a pin to “inactive”, the pin will be immediately canceled and then removed from the map after 60 days.

If the status is changed to “inactive” prior to 11:00 pm of 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