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Purpose

- To facilitate communication and sharing of field information between companies producing different varieties and types of small-seeded vegetable crops in Idaho and Eastern Oregon in order to prevent isolation conflicts.

Background

- This electronic map is a continuation and expansion of the isolation program initially started by DeLance F. (“Doc”) Franklin, superintendent of the Parma Station from 1942 to 1974. During the summer and fall of 1956 a “Committee on Hybrid Onion Seed Isolation” met several times and developed operating guidelines. Since the committee’s inception, other crops have been added. In 2014 the Idaho-Eastern Oregon Seed Association asked the CCIA to develop an electronic map similar to previous coexistence maps the CCIA had developed. The electronic map was released in 2015 for the 2016 harvest year.
- 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 is deleted before 30 days of initial pinning date)
To login, click on “Go to the map”.

IEOSA Small-seeded Vegetable Pinning Map - Idaho

This map is for IEOSA small-seed vegetable isolation mapping.

IEOSA Small-Seeded Vegetable Pinning Map Tutorial (pdf)

Go to the map

Billing information:

1. IEOSA small-seed vegetable pins are billed after 30 days.
2. If the status of a pin is changed to "inactive" prior to 30 days there will be no charge for the pin.
3. Inactive pins are deleted immediately.

Supporting documents:

- IEOSA Allium Isolation Standards for CCIA Pinning Map (pdf)
- IEOSA Beta Isolation Standards for CCIA Pinning Map (pdf)
- IEOSA Brassica and Radish Isolation Standards for CCIA Pinning Map (pdf)
- IEOSA Carrot Isolation Standards for CCIA Pinning Map (pdf)
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**.
The CCIA requires users of the Idaho Vegetable Isolation Map to accept this agreement each year before access to the map is granted. The agreement will appear the first time a user attempts to access the map after January 1st of each year.

You must accept the agreement in order to gain access.
The initial page is this map of Idaho and Eastern Oregon. The default view is “View Map”.

Mapping Functions:
- Show instruction pop-ups?
- Show existing pins for 2016
- Show these Crops
- Find Pin by #
- Radius:
  - Units: Miles | Kilometers
  - Draw Radius
- Yard Stick
- Zoom to Coordinates:
  - Latitude:
  - Longitude:
  - Value must be in decimal degrees. Click to convert degrees, minutes, seconds or UTM
- Text Search of map: Search...
There is a menu bar at the top of the map.

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 onion fields.
- Click here to pin brassica/radish 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. Enter text for any location that may be noted on the map (city, national park, etc.).
3. Point to a specific area on the map and double click repeatedly or use the mouse roller.
4. 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.

- **YOUR pins will be yellow or outlined in yellow.**
- **Pins for ALL other companies will be purple or outlined in purple.**
### Allium

<table>
<thead>
<tr>
<th>Crop</th>
<th>Color/Group</th>
<th>Pin Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onion – A. cepa</td>
<td>Yellow (color)</td>
<td><img src="yellow.png" alt="Yellow" /></td>
</tr>
<tr>
<td>Onion – A. cepa</td>
<td>White (color)</td>
<td><img src="white.png" alt="White" /></td>
</tr>
<tr>
<td>Onion – A. cepa</td>
<td>Red (color)</td>
<td><img src="red.png" alt="Red" /></td>
</tr>
<tr>
<td>Onion – A. cepa</td>
<td>Stock Seed (group)</td>
<td><img src="green.png" alt="Green" /></td>
</tr>
<tr>
<td>Onion – A. cepa</td>
<td>Research Station (group)</td>
<td><img src="black.png" alt="Black" /></td>
</tr>
<tr>
<td>CFC</td>
<td>N/A</td>
<td><img src="cfc.png" alt="CFC" /></td>
</tr>
<tr>
<td>Chives</td>
<td>N/A</td>
<td><img src="chives.png" alt="Chives" /></td>
</tr>
<tr>
<td>Leek</td>
<td>N/A</td>
<td><img src="leek.png" alt="Leek" /></td>
</tr>
<tr>
<td>Bunching Onion</td>
<td>Hybrid &amp; OP (group)</td>
<td><img src="bunching.png" alt="Bunching Onion" /></td>
</tr>
</tbody>
</table>

### Brassica/Radish

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pin Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Cabbage</td>
<td><img src="yellow.png" alt="Yellow" /></td>
</tr>
<tr>
<td>Collards</td>
<td><img src="purple.png" alt="Purple" /></td>
</tr>
<tr>
<td>Kale</td>
<td><img src="blue.png" alt="Blue" /></td>
</tr>
<tr>
<td>Kohlrabi</td>
<td><img src="brown.png" alt="Brown" /></td>
</tr>
<tr>
<td>Mustard</td>
<td><img src="green.png" alt="Green" /></td>
</tr>
<tr>
<td>Rutabaga</td>
<td><img src="purple.png" alt="Purple" /></td>
</tr>
<tr>
<td>Turnip</td>
<td><img src="pink.png" alt="Pink" /></td>
</tr>
<tr>
<td>Radish</td>
<td><img src="red.png" alt="Red" /></td>
</tr>
<tr>
<td>Daikon Radish</td>
<td><img src="red.png" alt="Red" /></td>
</tr>
</tbody>
</table>

- **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

### CARROT KEY

<table>
<thead>
<tr>
<th>Carrots</th>
<th>Group</th>
<th>Color</th>
<th>Type</th>
<th>Pin Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Station</td>
<td>Any</td>
<td>Any</td>
<td>Any</td>
<td>✗</td>
</tr>
<tr>
<td>Seed Stock</td>
<td>Any</td>
<td>Any</td>
<td>Any</td>
<td></td>
</tr>
<tr>
<td>Hybrid &amp; OP</td>
<td>Purple, Red, Yellow or White</td>
<td>Any</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid &amp; OP</td>
<td>Orange</td>
<td>Imperator</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid &amp; OP</td>
<td>Orange</td>
<td>Nantes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid &amp; OP</td>
<td>Orange</td>
<td>Bulky Tapered, Bulky Blunted or Odd/Unique</td>
<td>✗</td>
<td></td>
</tr>
</tbody>
</table>

- 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
- Group
- Color
- Type
- Date Pinned
- Company Contact
- Comments

(Everything, but plant date.)
MAPPING FUNCTIONS – SHOW PINS

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
- Group
- Color
- Type
- Date Pinned
- Company Contact

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

Select the crop to pin.

When you select the crop to pin, the map will open with pin detail information for you to fill in at the top.
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.
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 your crop from the drop down menu.
Select group from the drop down menu.
Choose color from drop down menu.
Choose shape from drop down menu.
Choose type from drop down menu.
Enter variety name.
Enter number.
Enter variety name.
Date field was/will be planted.
Enter name and phone number of company contact.
Click “Pin Field” to submit and pin field.

Only your company sees these comments.
The map is programmed to measure distances between fields. A warning is displayed if you attempt to pin any field within isolation of another.

To see crop isolation distances go to the “IEOSA Small-Seeded Vegetable Pinning Map - Idaho” section on the Crop Isolation Mapping page.

If you choose to pin the 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.
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" again to cancel circle drawing.
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.
MAPPING FUNCTIONS – YARD STICK

Distance in miles is displayed here.

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.
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.

Click “Select” to edit pin information.

Sort table by clicking on any of the headers.

<table>
<thead>
<tr>
<th>ID</th>
<th>Crop</th>
<th>Variety</th>
<th>Type</th>
<th>Date Planted</th>
<th>Date Entered</th>
<th>comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>18984</td>
<td>Carrot</td>
<td>555</td>
<td>Orange Hybrid Nantes</td>
<td>12/23/2015</td>
<td>12/13/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18983</td>
<td>Carrot</td>
<td>444</td>
<td>Orange Hybrid Odd/Unique</td>
<td>12/31/2015</td>
<td>12/15/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18982</td>
<td>Carrot</td>
<td>555</td>
<td>Red Hybrid Imperator</td>
<td>12/30/2015</td>
<td>12/15/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18981</td>
<td>Carrot</td>
<td>asdf</td>
<td>White Hybrid Bulky Tapered</td>
<td>12/27/2015</td>
<td>12/15/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18980</td>
<td>Carrot</td>
<td>ggg</td>
<td>Purple Hybrid Bulky Blunted</td>
<td>12/31/2015</td>
<td>12/15/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18947</td>
<td>Carrot</td>
<td>test 4</td>
<td>Orange Hybrid Bulky Tapered</td>
<td>12/24/2015</td>
<td>12/8/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>18946</td>
<td>Carrot</td>
<td>test 1</td>
<td>Orange Hybrid Nantes</td>
<td>1/1/2016</td>
<td>12/8/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>19940</td>
<td>Carrot</td>
<td>test</td>
<td>Orange Hybrid Bulky Blunted</td>
<td>12/10/2015</td>
<td>12/8/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>19934</td>
<td>Onion</td>
<td>test</td>
<td>White Flat Open Pollinated Granex</td>
<td>11/5/2015</td>
<td>11/16/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>17859</td>
<td>Kohlrabi</td>
<td>test</td>
<td>Kohlrabi</td>
<td>10/27/2015</td>
<td>11/13/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>17858</td>
<td>Radi</td>
<td>test</td>
<td>radish</td>
<td>11/3/2015</td>
<td>11/13/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>17857</td>
<td>Turnip</td>
<td>test</td>
<td>Select color...</td>
<td>10/26/2015</td>
<td>11/13/2015</td>
<td>✔️</td>
</tr>
<tr>
<td>17856</td>
<td>Sweede</td>
<td>test</td>
<td>Green Brassica Rutabaga</td>
<td>10/27/2015</td>
<td>11/13/2015</td>
<td>✔️</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.

Deleted pins are removed from map immediately. The $10 fee is voided if pin is deleted prior to 30 days from initial pinning date.
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