ALFALFA ISOLATION MANAGEMENT MAP



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PURPOSE AND BACKGROUND

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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: see website for current fees (fee voided if pin changed to "inactive" before 11:00pm on the date of initial pinning)

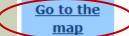
LOGIN

To login, click on "Go to the map".

See Alfalfa Isolation Map Tutorial (pdf) for isolation distances programmed

Alfalfa Isolation Management Map (AIMM)

This map is for GE alfalfa fields.



into the map.

Supporting documents: Click to login.

<u>Grower Opportunity Zones</u> (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. The current GOZ areas are displayed on this map.

Detailed description of the map and coexistence (pdf)

Facilitation of Coexistence: Alfalfa Isolation Management Map and Alfalfa Seed Stewardship Program

New map year begins August 1st of each year.

Billing information:

- 1. Pins are billed each night at 11:00 pm at \$10 per pin.
- 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.

LOGIN

Login using your <u>email address</u> and <u>self-selected password</u>.

Home	Certification Programs	Crop Isolation Mapping	Members Only	Agricultural Commissioners	CCIA Staff Only						
View Map Your Pins Renewals											
	Log In User Name: akoala@ucdavis.edu										
	Password:	Log In									

Permissions are assigned to an individual by the CCIA. To request access, contact us at 530-752-0544.

REPRESENTATION OF INTENT AND CONFIDENTIALITY AGREEMENT

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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.

Representation of Intent and Confidentiality Agreement

WHEREAS, CCIA operates an online mapping program available for alfalfa seed production applicants. Seed of both genetically engineered (GE) and conventional cultivars is produced within the same production areas. In order to minimize the risk of unintended pollen flow between fields, a specified distance between fields is required. It would be of benefit to the alfalfa seed industry if alfalfa seed production applicants mark their fields on an online map operated by CCIA and to indicate if the field is GE or non-GE so that everyone will know the isolation distance required between fields. Seed companies need to establish appropriate isolation distances between fields. Seed companies and Seed Certifying Agencies will be given access to the online mapping system

WHEREAS, because of the confidentiality issues relative to alfalfa seed production applicant's information, as well as the undersigned's access to other seed companies' information via the mapping system, CCIA requires that any seed certifying agency or seed company representative granted access to the mapping system must sign this representation of intent and confidentiality agreement.

WHEREAS, the undersigned seed certifying agency or seed company representative desires to maintain in confidence all proprietary and trade secret information obtained from CCIA, its officers, directors, employees, agents, or contractors, including but not limited to information obtained from access to CCIA's mapping system

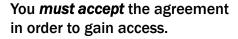
NOW THEREFORE, in consideration of the mutual covenants set forth herein and for other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows:

- 1. The undersigned agrees that any and all information which is provided to the undersigned in whatever form by CCIA or its officers, directors, employees, agents, or contractors, including but not limited to information obtained via access to CCIA's online mapping system, is confidential, proprietary and trade secret information of seed producers and shall not be disclosed by the undersigned to any third party except as specifically authorized by CCIA. The undersigned represents and warrants that it is not his/her intent to use the information obtained from CCIA's mapping system to engage in any anticompetitive behavior with other seed companies or for alfalfa seed production applicants and that he/she will not do so. Only the seed certifying agency or seed company representative signing this Agreement may have access to the mapping system and he/she may not share his/her password with anyone else. Permissions to use/view the CCIA's mapping system may be revoked if the terms of this agreement are violated.
- 2. The undersigned agrees to indemnify and hold CCIA and its officers, directors, employees, agents and representatives (collectively "CCIA") harmless and render CCIA an immediate defense, including retention of legal counsel of CCIA'S choice, against any and all liabilities, losses, costs, damages, attorneys' fees and other expenses which CCIA may incur or sustain as a consequence of the undersigned's breach of this Agreement.
- 3. If an action at law or in equity is necessary to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled to recover its reasonable attorneys' fees and costs from the non-prevailing party in addition to any other reasonable relief to which it may be entitled. With respect to any suit, action or proceeding arising out of or relating to this Agreement, or the documentation related hereto, the parties hereby submit to the jurisdiction and venue of the appropriate court in the County of Yolo, State of California.
- 4. The covenants and agreements contained in this Agreement shall be binding upon and shall inure to the benefit of the heirs, successors and assigns of the parties hereto.
- 5. No change, amendment or modification of this Agreement shall be valid unless in writing and signed by the parties hereto.

6. This Agreement shall be construed and governed pursuant to the laws of the State of California

Login: akoala@ucdavis.edu Name: Ashley Koala Company: CCIA Milling Co

I agree to the Representation of Intent and Confidentiality Agreement.



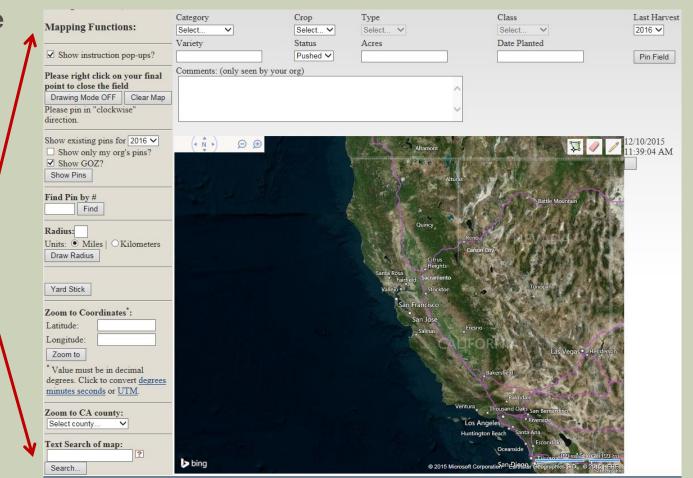
I do not agree to the Representation of Intent and Confidentiality Agreement (you will be logged out of the system)

INITIAL PAGE – MAPPING FUNCTIONS

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The initial page is this map of California.

Mapping functions are on the left side of the map.



MAPPING FUNCTIONS – ZOOMING TO A LOCATION

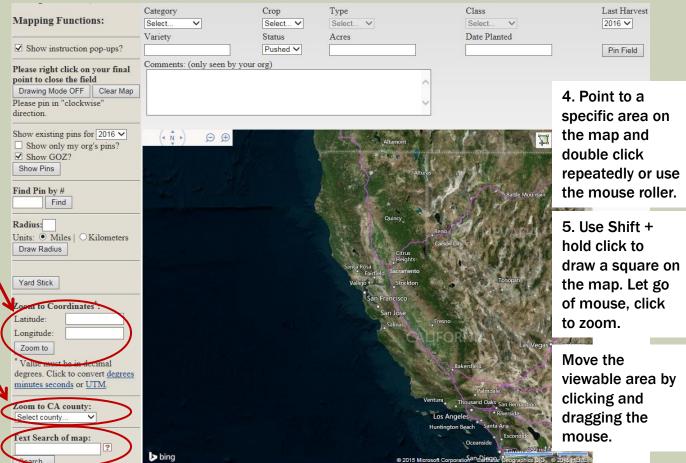
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Zoom to the location of your choice in several different ways:

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.).



MAPPING FUNCTIONS – SHOW POP-UPS

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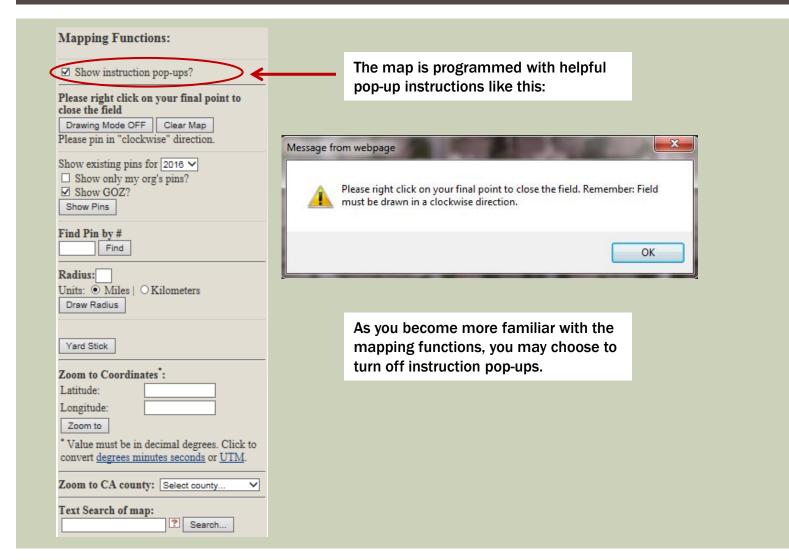


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Mapping Functions:

☑ Show instruction pop-ups?

Please right click on your final point to close the field Drawing Mode OFF Clear Map Please pin in "clockwise" direction.

Show existing pins for 2018

Find Pin by #

Radius: Units:
Miles | O Kilometers
Draw Radius

Yard Stick

Zoom to Coordinates[•]: Latitude: Longitude: Zoom to [•] Value must be in decimal degrees. Click to convert <u>degrees minutes seconds</u> or <u>UTM</u>.

Zoom to CA county: Select county...

 \mathbf{v}

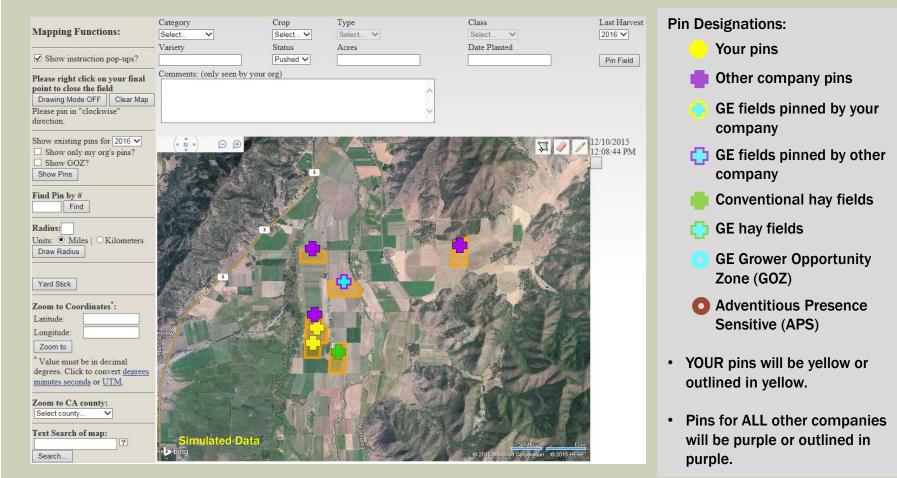
Text Search of map: Search... If there are a lot of pins on the map, depending on your connection speed, it may take a minute or more for the pins to show. If it is taking a while to map the pins, be patient and wait for the pins to show.

Click button "Show Pins" to show all pins.

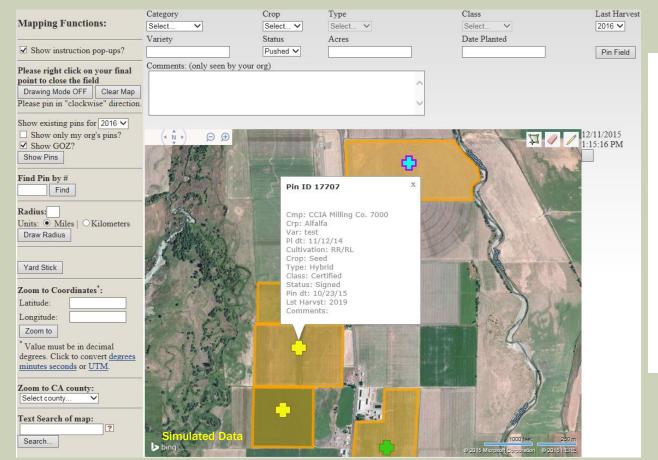
If you zoom to a specific location and show pins, when you zoom out you will continue to see <u>only</u> the pins that showed in the zoomed screen.

Tip: Zoom to show a <u>large area</u> 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.



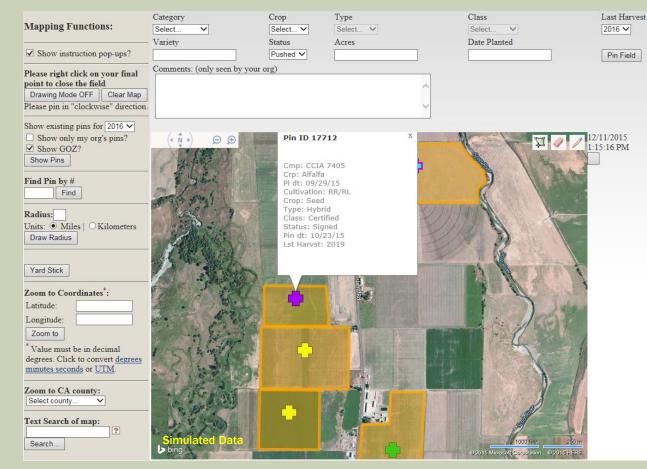
Zooming in shows actual field location and boundaries of the field.



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.

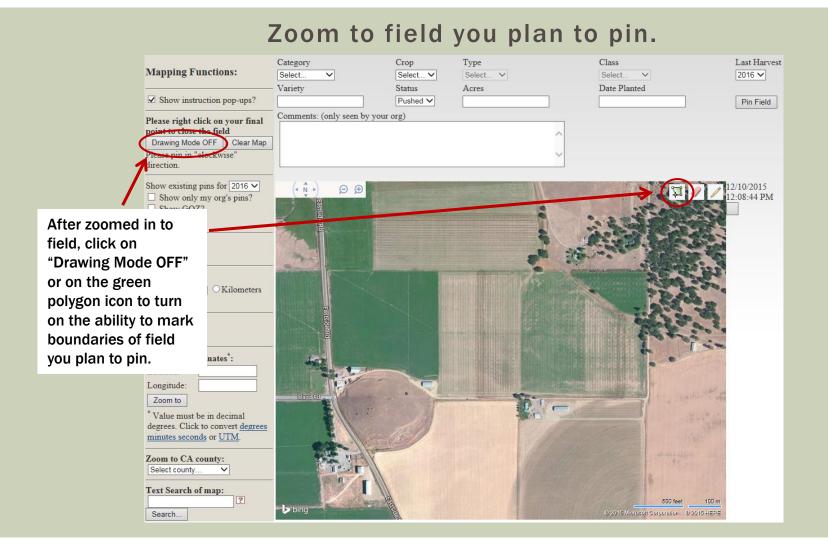


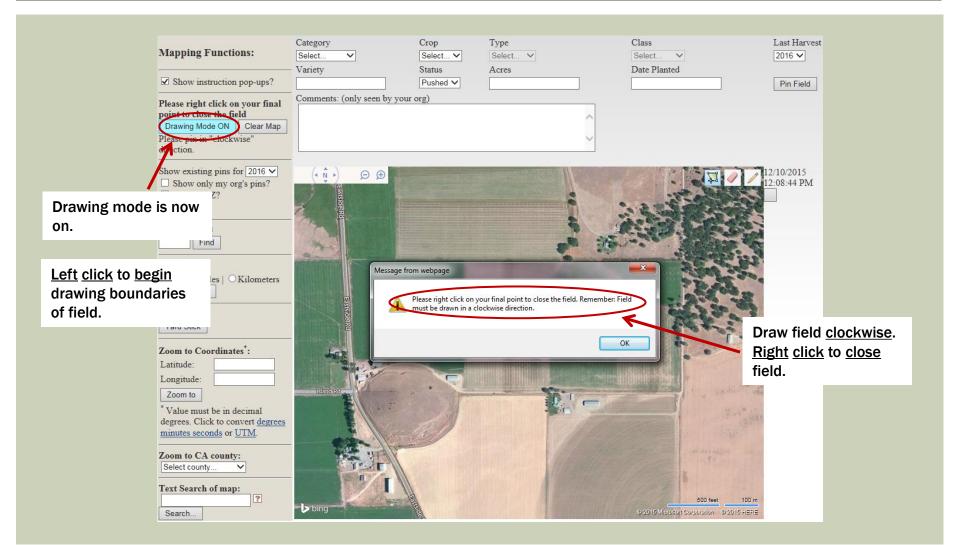
Mouse-over a purple pin (other company) to view detailed field information:

- 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.)

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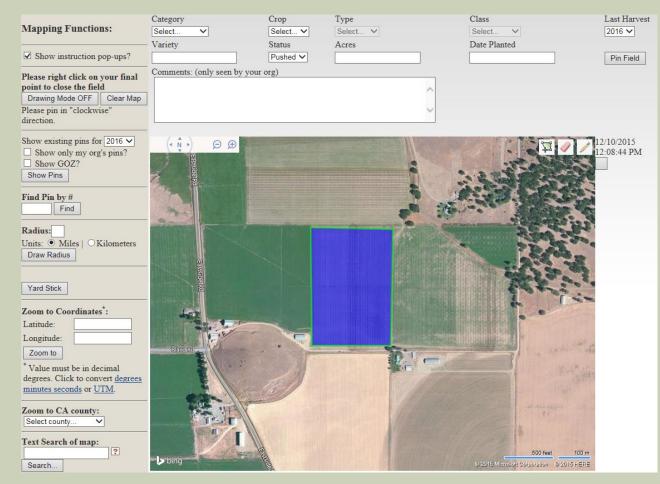




Continue to left click clockwise to draw field.

	Category	Crop	Туре	Class	Last Harves
Mapping Functions:	Select V	Select V	Select 🗸	Select 🗸	2016 🗸
-	- Variety	Status	Acres	Date Planted	
Show instruction pop-ups?		Pushed V			Pin Field
Please right click on your final point to close the field Drawing Mode ON Clear Map Please pin in "clockwise"	Comments: (only seen by ;	your org)		ĵ	
direction.					
Show existing pins for 2016 V Show only my org's pins? Show GOZ? Show Pins			4	Ţ	12/10/2015 12:08:44 PM
Find Pin by #				1. 10 M	
Radius: Units: Miles Kilometers Draw Radius	_		Ĩ		5.
Yard Stick Zoom to Coordinates*:	actoritie Rd			the second	
Latitude:	Island Rd				and a
Zoom to * Value must be in decimal degrees. Click to convert <u>degrees</u> <u>minutes seconds</u> or <u>UTM</u> .	Lisboard a s	5	R. C		No. of Marine
Zoom to CA county: Select county					
Search	-bing	anterno		© 2015 Microsoft Corporation	100 m 8 2015 HERE

When you get to the final point, <u>right</u> click to close the polygon.



MAPPING FUNCTIONS – EDIT FIELD

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	Category	Crop	Туре	Class	Last Harvest	
Mapping Functions:	Select V	Select V	Select V	Select 🗸	2016 🗸	
Show instruction pop-ups?	- Variety	Status Pushed V	Acres	Date Planted	Pin Field	
Please right click on your final point to close the field Drawing Mode OFF Clear Map	Comments: (only seen b	by your org)		^		
Please pin in "clockwise" direction.				~		Note: You can only edit your field prior to
Show existing pins for 2016 V Show only my org's pins? Show GOZ? Show Pins	(* N → Fastside Rd			T C	2/10/2015 12:08:44 PM	clicking "Pin Field". Once you have pinned the field you can only
Find Pin by #		-		The second second		delete and make the pin inactive from the
Radius: Units: • Miles • Kilometers Draw Radius			· ·		24	" <u>Your Pins</u> " page.
	Easts			2000		
Yard Stick	tde Rd			The latter with a second second second	e a mistake	
Zoom to Coordinates*:	Lier			you can:	Neer Mee"	
Latitude:					Clear Map"	
Longitude:				Contraction of the second s	on the pink	
Zoom to	Ishnolid	7	0.1	eraser to	clear the	
* Value must be in decimal degrees. Click to convert degrees		*		field and	start over.	
minutes seconds or UTM.		si lall		Click on	the pencil to	
Zoom to CA county:	-	from an		Internet Construction of	boundaries	
Select county V				of the fie	h	
Text Search of map:	-		1999 A 1998	of the fit		
?		and the		500 feet	100 m	
Search	> bing	Side		© 2015 Microsoft Corporation © 201	5 HERE	

MAPPING FUNCTIONS – EDIT FIELD ERASE FIELD

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MAPPING FUNCTIONS – EDIT FIELD EDIT FIELD BOUNDARIES

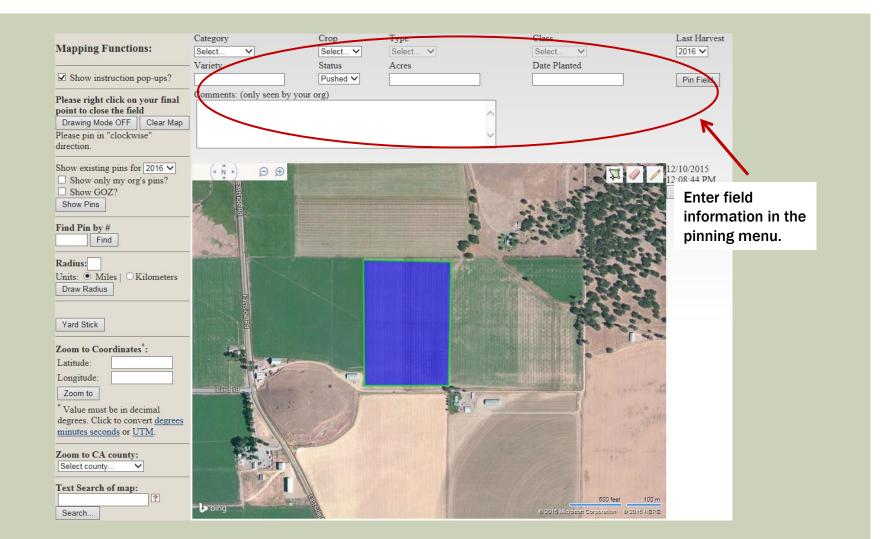
Category Type Class Last Harvest Crop **Mapping Functions:** Select .. Select... V Select V Select 2016 ~ V V Variety Status Acres Date Planted ✓ Show instruction pop-ups? Pushed V Pin Field Comments: (only seen by your org) Please right click on your final point to close the field Drawing Mode OFF Clear Map Please pin in "clockwise" direction. Show existing pins for 2016 V 0/2015 ΘĐ 8.44 PM Show only my org's pins? □ Show GOZ? Show Pins Find Pin by # Find 1. Click on pencil to edit Radius: Units:
Miles | OKilometers boundaries of field. Draw Radius Yard Stick 2. After clicking on pencil, Zoom to Coordinates*: click on field you would like Latitude: Longitude: to edit boundaries of. Zoom to White dots around border * Value must be in decimal will appear, click and drag degrees. Click to convert degrees minutes seconds or UTM. white dots to redraw boundaries of field. Zoom to CA county: Select county... Text Search of map: ? 100 m 500 feet bina 🗠 3 2015 Microsoft Corporation 9 2015 HERE Search ...

MAPPING FUNCTIONS – EDIT FIELD EDIT FIELD BOUNDARIES

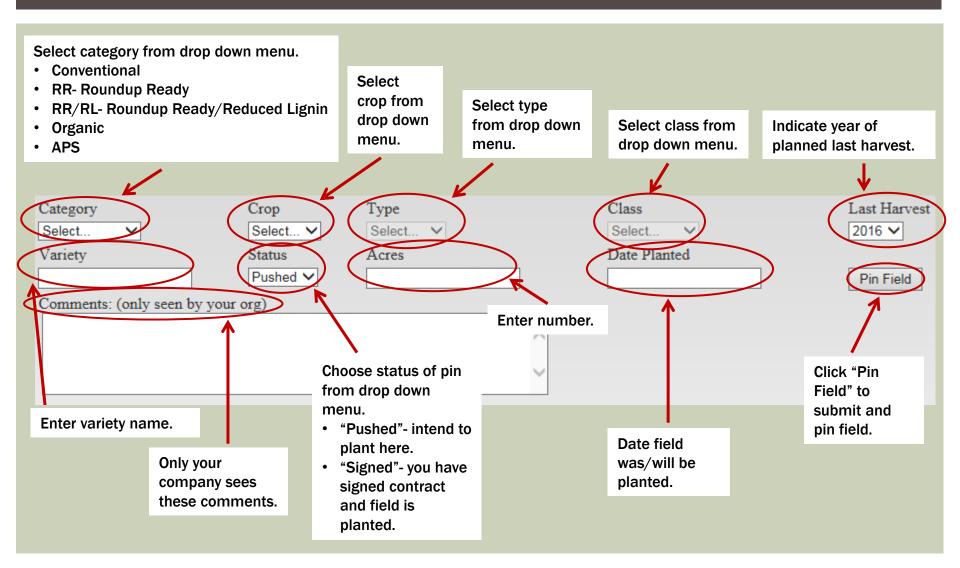
Manada - Danadiana	Category	Crop	Type	Class	Last Harvest
Mapping Functions:	Select V	Select V	Select V	Select V	2016 🗸
Show instruction pop-ups?	Variety	Status Pushed V	Acres	Date Planted	Pin Field
Please right click on your final point to close the field Drawing Mode OFF Clear Map Please pin in "clockwise" direction.		y your org)		Ç	
Show existing pins for 2016 Show only my org's pins? Show GOZ? Show Pins				E C	2/10/2015 2:09:44 PM
Find Pin by # Find Radius: Units: • Miles • Kilometers Draw Radius			. 3		4. Once you are done editing boundaries, click on pencil to finalize changes- white dots will disappear.
Yard Stick Zoom to Coordinates*: Latitude: Longitude: Zoom to * Value must be in decimal degrees. Click to convert degrees minutes seconds or UTM.	E E		•	di u	Keep clicking and ragging any white dot ntil desired field boundary achieved.
Zoom to CA county: Select county	► bing			500 feet 9.2015 Microsoft Corporation 18	100 m 2015 HERE

MAPPING FUNCTIONS – PINNING MENU

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MAPPING FUNCTIONS – PINNING MENU



MAPPING FUNCTIONS – PINNING MENU FIELD VIOLATIONS

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:

Seed Conventional APS Organic GE 2 miles crop standard 2 miles 3 miles Conventional 2 miles crop standard crop standard 5 miles APS Seed 5 miles 2 miles crop standard crop standard Organic 3 miles 5 miles 5 miles crop standard GE

		Нау					
		Conventional	APS	Organic	GE		
	Conventional	crop standard	crop standard	crop standard	crop standard		
Good	APS	2 miles	crop standard	crop standard	2 miles		
Seed	Organic	2 miles	crop standard	crop standard	2 miles		
	GE	crop standard	crop standard	crop standard	crop standard		

To view crop standards, click <u>here</u>.

MAPPING FUNCTIONS – PINNING MENU FIELD VIOLATIONS

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 If you choose to 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 If you choose to pin field, all parties involved will be notified via email								
Category Organic	Crop Seed V	Type Synthetic ❤	Class Certified	Last Harvest				
Variety test	Status Signed V	Acres 30	Date Planted 9/28/2015	Pin Field with violation Cancel pin action	>			
Comments: (only seen by your org)								
***	Choose to either pir with violation or cancel the pin and	1						
***				choose a new field.				

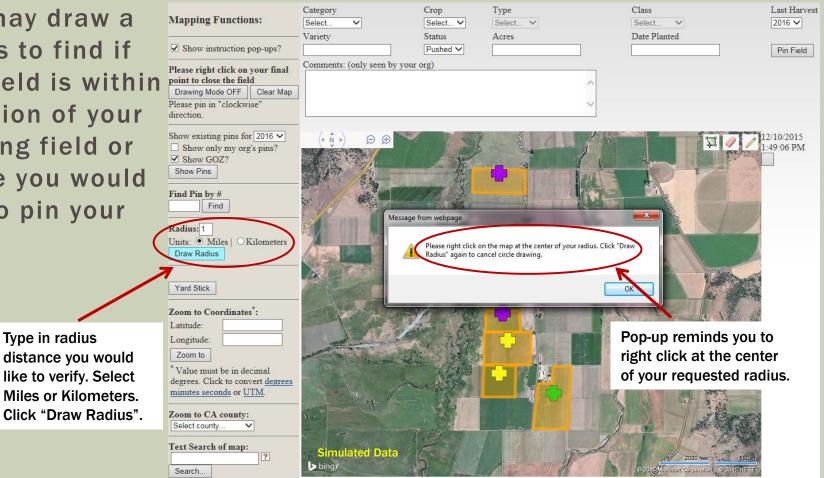
MAPPING FUNCTIONS - PINNING MENU PIN FIELD

- 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.

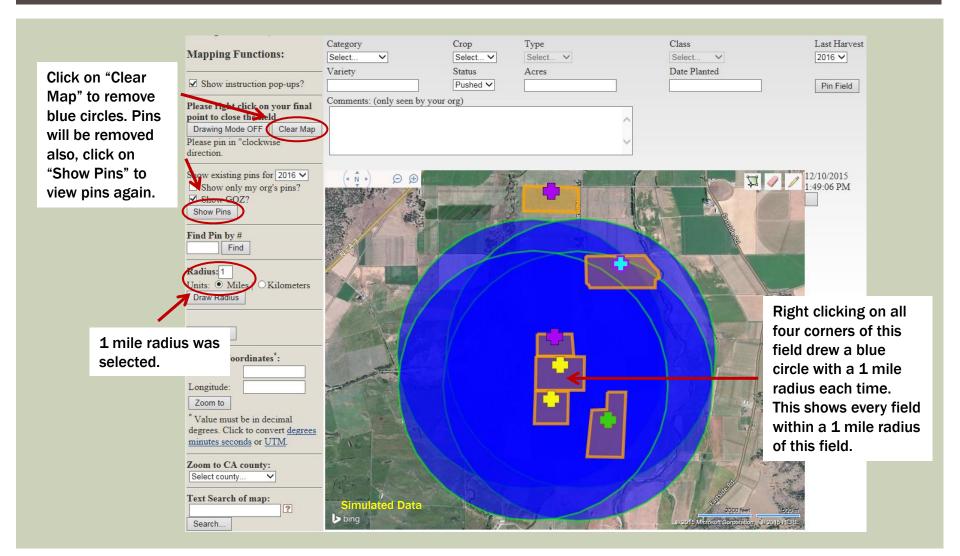
Field has been successfu	Ily pinned. Pin ID # is dis	played.		
K				
Field successfully pinned. Pin ID	0: 17893			
Category	Variety	Male Color	Trait Package Acres	
Select V		Select V]
Company Contact	Status	Date Planted		
Name: Ashley Koala	Proposed V		Pin Fie	ld
Phone: 530-752-9828			1	_
Comments: (only seen by your or	g)			
			Only click "Pin	
		\sim	Field" once.	

MAPPING FUNCTIONS – DRAW RADIUS

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.



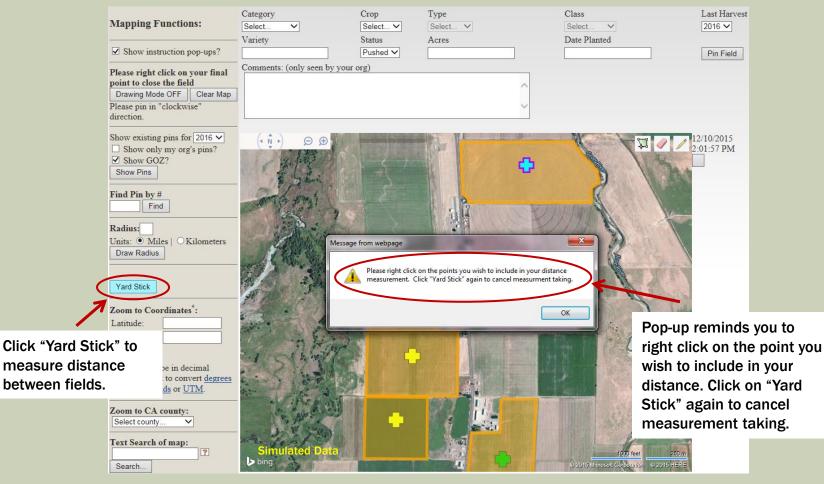
MAPPING FUNCTIONS – DRAW RADIUS



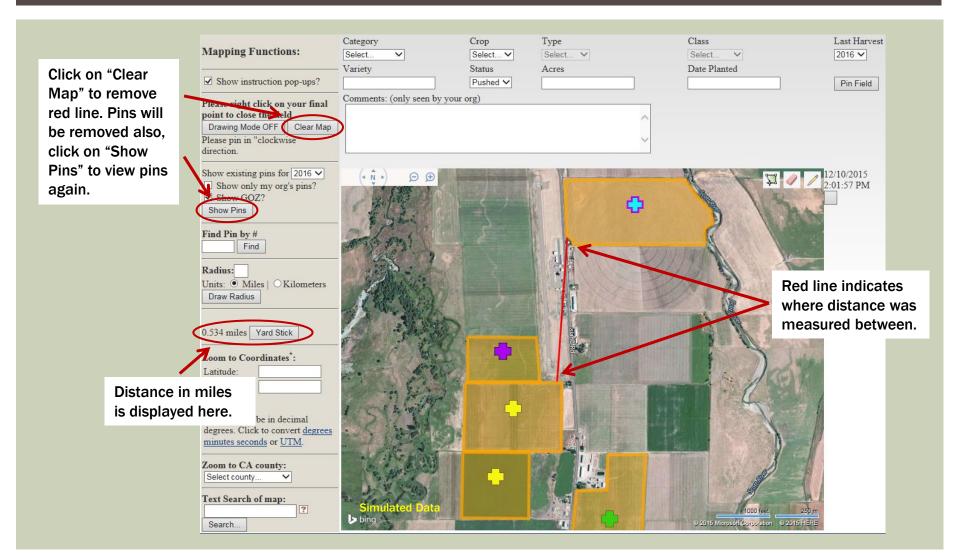
MAPPING FUNCTIONS – YARD STICK

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You can measure the distance between fields in miles.

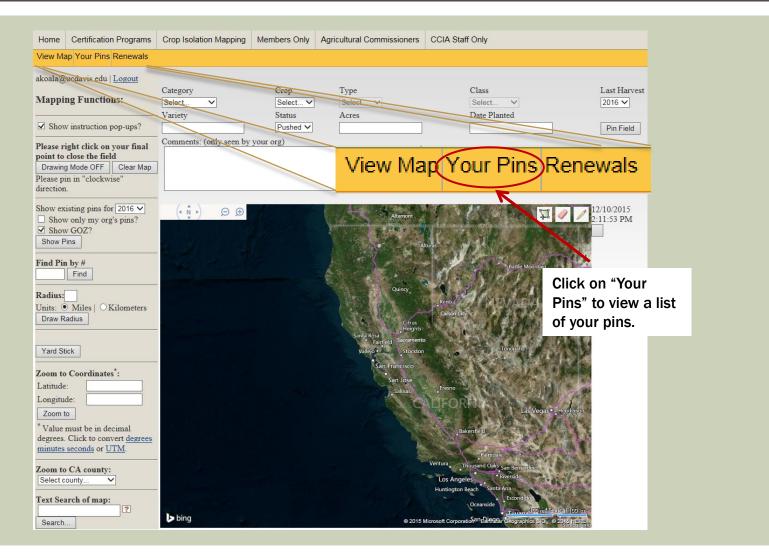


MAPPING FUNCTIONS – YARD STICK



EDITING YOUR PINS

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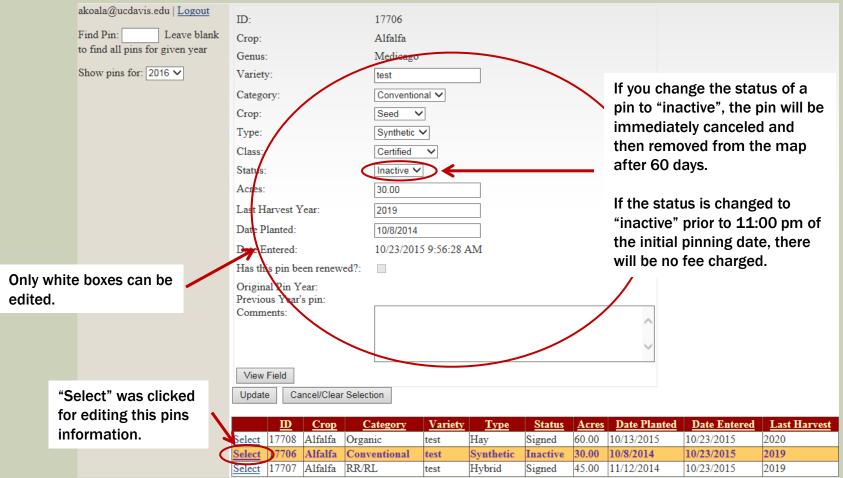
EDITING YOUR PINS

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.

	Enter pin ID to searc for a specific pin.	h				Sort table b any of the h	•	•			
Home	Certification Programs	Crop Isolation	Mapping	Members Only	Agr	icultural Comm	issioners	CCIA	Staff Only		
View I	View Map Your Pins Renewals										
akoala	@ucy_avis.edu Logout						V				
		D	Crop	Category	Varie	ty <u>Type</u>	<u>Status</u>	Acres	Date Planted	Date Entered	Last Harvest
Find P		Select 17708	Alfalta	Organic	test	Hay	Signed	60.00	10/13/2015	10/23/2015	2020
find al	pins for given year	Select 17706	Alfalfa	Conventional	test	Synthetic	Inactive	30.00	10/8/2014	10/23/2015	2019
Show	oins for: 2016 🗸	Select 17707	Alfalfa	RR/RL	test	Hybrid	Signed	45.00	11/12/2014	10/23/2015	2019
	ose which crop year would like to see for.			'Select" to ed formation.	it						

EDITING YOUR PINS

After selecting a pin to edit, your screen will look like this:



CONTACT US

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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