

# CALIFORNIA IRRIGATION SURVEY - July 2022

OMB No. 0535-0264  
Approval Expires: 04/30/2025  
Project Code:  
SurveyID: 3937



United States  
Department of  
Agriculture



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

## USDA/NASS

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Please make corrections to name, address, and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws.

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## SECTION 1 - Screener

1. In what county was the largest value of your agricultural products raised or produced?

xxx

2. Please specify the percentage of irrigation water from ground and/or surface water in 2021?

Ground Water

xxx %

Surface Water

xxx %

3. For your **most relevant** crop, please indicate the typical season start and end date?

Start Date (mm/dd)

xxx

End Date (mm/dd)

xxx

4. Do you use the California Irrigation Management Information System (CIMIS) data for scheduling irrigation? (Check one)

xxx  Yes      xxx  No

For only the county where the largest value of your agricultural products were raised or produced, please fill in the **number of acres** of each crop irrigated by each method in **2021**. If your crop is not available from the list, please use the blank cells at the bottom of the table.

- In the "Source" row (below the number of acres), enter the **main water source** for that irrigation system and crop: **S = surface water, G=ground water, or B = both**
- If you had acreage that was intercropped last year, list the acreage corresponding to the principal crop only.
- If you double or triple-cropped (different crops planted consecutively on the same parcel of land) in 2021, list the acreage under the irrigation method for each crop.
- Irrigation methods are separated into five groups including:
  - **Sub-surface irrigation** is when underground pipe or open ditches are blocked to back up water and force it into a crop root zone.
  - **Surface irrigation** includes (1) wild flood, (2) border, (3) basin, and (4) furrow irrigation alone.
  - **Combined sprinkler and furrow irrigation** refers to fields that are first irrigated with sprinklers (side-roll or hand-move) and then are irrigated by furrows.
  - **Sprinkler irrigation** methods include solid set, hand move, linear move, wheel line, micro- or mini-sprinklers, hose-pull, and center-pivot.
  - **Drip irrigation** includes surface (applied above ground) and buried drip irrigation.

L I N E	2021 Crop (Exclude Rice)		Irrigation Method						
			Subsurface	Surface				Surface/Sprinkler	
			1 Drainpipe or Ditch (Not Drip)	2 Wild Flood	3 Border	4 Basin	5 Furrow	6 Furrow Side-roll	7 Furrow Hand-move
1	Example (Cotton)	Acres					400		
		Source					S		
2	Example (Avocado)	Acres							
		Source							
3	Corn	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
4	Cotton	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
5	Dried Beans	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
6	Grains (1)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
7	Sunflower	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
8	Sugar Beets	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
9	Other Field Crops (2)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
10	Alfalfa	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
11	Pasture (3)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx

<sup>1</sup> wheat, oats, barley, etc; <sup>2</sup> sorghum, sunflower, sudan grass, etc. <sup>3</sup> excluding grass hay; <sup>4</sup> melons, squash, cucumbers, etc; <sup>5</sup> carrots, celery, cauliflower, broccoli, strawberries, asparagus, etc; <sup>6</sup> apples, peaches, prunes, pears, walnuts, etc; <sup>7</sup> olives, avocados, citrus, dates, etc;

L I N E	Irrigation Method								
	Sprinkler							Drip	
	8 Permanent	9 Hand-Move	10 Linear-Move	11 Side-Roll	12 Micro-Mini	13 Hose-Pull	14 Center-Pivot	15 Above Ground	16 Buried Drip
1									
2					100				
					G				
3	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
4	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
5	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
6	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
7	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
8	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
9	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
10	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
11	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

<sup>1</sup> wheat, oats, barley, etc; <sup>2</sup> sorghum, sunflower, sudan grass, etc; <sup>3</sup> excluding grass hay; <sup>4</sup> melons, squash, cucumbers, etc; <sup>5</sup> carrots, celery, cauliflower, broccoli, strawberries, asparagus, etc; <sup>6</sup> apples, peaches, prunes, pears, walnuts, etc; <sup>7</sup> olives, avocados, citrus, dates, etc.

For only the county where the largest value of your agricultural products were raised or produced, please fill in the **number of acres** of each crop irrigated by each method in **2021**. If your crop is not available from the list, please use the blank cells at the bottom of the table.

- In the "Source" row (below the number of acres), enter the **main water source** for that irrigation system and crop: **S = surface water, G=ground water, or B = both**
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  - **Drip irrigation** includes surface (applied above ground) and buried drip irrigation.

L I N E	2021 Crop (Exclude Rice)		Irrigation Method						
			Subsurface	Surface				Surface/Sprinkler	
			1 Drainpipe or Ditch (Not Drip)	2 Wild Flood	3 Border	4 Basin	5 Furrow	6 Furrow Side- Roll	7 Furrow Land-Move
12	Cucurbits (4)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
13	Onions & Garlic	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
14	Potato	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
15	Tomato (Processing)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
16	Tomato (Fresh)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
17	Other Truck Crops (5)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
18	Almond & Pistachio	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
19	Other Deciduous (6)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
20	Subtropical Trees (7)	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
21	Turfgrass & Landscape	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
22	Vineyard	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx
23	Other xxx _____	Acres	xxx	xxx	xxx	xxx	xxx	xxx	xxx
		Source	xxx	xxx	xxx	xxx	xxx	xxx	xxx

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L I N E	Irrigation Method								
	Sprinkler						Drip		
	8 Permanent	9 Hand-Move	10 Linear-Move	11 Side-Roll	12 Micro-Mini	13 Hose-Pull	14 Center- Pivot	15 Above Ground	16 Buried Drip
12	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
13	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
14	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
15	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
16	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
17	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
18	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
19	xxx	xx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
20	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
21	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
22	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
23	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

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5. Who manages irrigation on your farm? (Check one)

xxx  Yourself    xxx  Farm Manager    xxx  Irrigator

6. Will you or other personnel benefit from (no cost) hands-on irrigation training? (Check one)

xxx  Yes    xxx  No

7. What is the name or ID code for the irrigation district that supplies most of your irrigation water?

xxx

## SECTION 2 - Conclusion

Comments related to the information you reported:

xxx

OFFICE USE ONLY													
Response		Respondent		Mode		Enum.	Eval.	Change	Office Use for POID				
1-Comp	9901	1-Op/Mgr	9902	1-PASI (Mail)	9903	9998	9900	9985	9989				
2-R		2-Sp		2-PATI (Tel)					-----				
3-Inac		3-Acct/Bkpr		3-PAPI (Face-to-Face)									
4-Office Hold		4-Partner		6-Email					Optional Use				
5-R – Est		9-Oth		7-Fax					R. Unit				
6-Inac – Est				19-Other					9921	9907	9908	9906	9916
7-Off Hold – Est													
S/E Name													