

2013 FARM AND RANCH IRRIGATION SURVEY

Form Number: 08-A621
(12/03/08)

Make corrections to name, address, and ZIP Code if necessary.



National Agricultural
Statistics Service

Return your
completed report to:

Census of Agriculture
1201 East 10th Street
Jeffersonville, IN 47132

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Everyone who receives a form must return one by mail or via the Internet at www.agcensus.usda.gov.

- Your report is due by **February 10, 2014**. Use a black or blue ballpoint pen to complete this form.
- **Horticulture crops in the open or under protection?** Report horticulture area and water use in this report form.
- **Duplicate forms?** If you received extra report forms for the SAME farming operation, return all report forms in the same envelope with this completed report.
- Questions? Call us toll-free at **1-888-424-7828**. Thank you for your cooperation.

SECTION 1 ACREAGE IN 2013

Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization named on the label above. Round to whole acres. Include ALL LAND, regardless of location or use – cropland, pastureland, rangeland, woodland, idle land, greenhouses or other area under protection, farmsteads, Conservation Reserve Program (CRP) land, etc.

	None	Number of Acres
1. All land owned	<input type="checkbox"/>	0025
2. All land rented or leased from others , including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include Federal, State and railroad land leased on a per-acre basis. Exclude leased land (e.g., private, Federal, State, railroad, etc.) used on a per-head or animal unit month (AUM) basis under a grazing permit.	<input type="checkbox"/>	+ 0026
3. All land rented or leased to others , including land worked on shares by others and land subleased	<input type="checkbox"/>	- 0027
4. TOTAL ACRES in this operation (Items 1 + 2 - 3 = BOX A)	<input type="checkbox"/>	= BOX A 0028

Notice: Response to this inquiry is required by law (Title 7, U.S. Code). By the same law and Public Law 107-347, YOUR REPORT IS CONFIDENTIAL and will only be used for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process. http://www.agcensus.usda.gov/About_the_Census/Regulations_Guiding_NASS/index.asp

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SECTION 2 LAND IN 2013

Of the acres reported in **BOX A** on the previous page, report how all the land was used in **column 1** below. Round to whole acres. If the same land had more than one use in 2013, report that land only one time in items 1 through 3. The total acres in **BOX B** must equal the total acres reported in **BOX A**. **Include area under protection.** (Under protection includes horticultural crops grown under glass, rigid plastic, plastic film, including "tunnel" protection.)

Irrigated acres in column 2 – Report irrigated land in this operation in items 1 and 2 and the total irrigated land in **BOX C**. Include the irrigated area under protection and round all entries to the nearest whole acre. Include as irrigated, any land to which partial, supplemental, or preplant irrigation water was applied. Hayland, pastureland, or rangeland should be reported as irrigated only if water was spread by canals, ditches, spreader dikes, pipes, or other man-made works.

1. Cropland – Exclude cropland used only for pasture.

a. Cropland harvested - Include all land from which crops were harvested or hay was cut. Include acreage in orchards, citrus groves, vineyards, berries, Christmas trees, short-rotation woody crops, and **nursery and greenhouse crops in the open and under protection**.....

None	Column 1 Number of Acres	None	Column 2 Acres Irrigated
<input type="checkbox"/>	0029	<input type="checkbox"/>	0030

b. Cropland not harvested or grazed – Include cropland on which all crops failed, cropland idle, cropland used for cover crops or CRP, and cropland in summer fallow.....

<input type="checkbox"/>	0033	<input type="checkbox"/>	0034
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2. Pasture

a. Permanent pasture and rangeland.....

<input type="checkbox"/>	0135	<input type="checkbox"/>	0136
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b. Woodland pastured.....

<input type="checkbox"/>	0137
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c. Other pasture and grazing land (including rotational pasture) that could have been used for crops without additional improvements.

<input type="checkbox"/>	0107	<input type="checkbox"/>	0108
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3. All other land – Include land not reported above. Include woodland not pastured, farmsteads, home, buildings, livestock facilities, ponds, roads, wasteland, etc.....

<input type="checkbox"/>	0039
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Total Acres
on this Operation

Total Acres
Irrigated

4. TOTAL ACRES – Add acres in each column and enter the totals. (**BOX B** should be the same as **BOX A** on page 1.).....

<input type="checkbox"/>	BOX B	<input type="checkbox"/>	BOX C
	0041		0042

5. Does the total in **BOX C** equal zero?

Yes – Continue **No** – Go to item 7

6. Were any irrigated horticultural crops grown under protection for sale on this operation in 2013? Include irrigated nursery, floriculture, greenhouse, mushrooms, or propagative materials grown under protection.

⁰⁰⁰¹ **Yes** – Continue ³ **No** – Go to Section 22 on back page

7. What State had the majority of irrigated acres in 2013?.....

State
0951

SECTION 3 GROUND WATER FROM WELLS USED ON THIS OPERATION IN 2013

1. Did this operation irrigate with ground water from wells on this operation in 2013?

⁰⁷⁶⁰ **Yes** – Continue **No** – Go to Section 4

If exact amounts are not available, provide your best estimate for quantity of water applied. If total area irrigated in the open is less than one acre, report as one acre in item 2. If the wells are not on the operation, such as a municipal or rural water system, report this as off-farm water in Section 5.

2. Report acres in the open irrigated with ground water and amount of water applied in 2013. Include irrigated horticulture crops grown in the open and irrigated pastureland.

Acres Irrigated by Ground Water (from wells)	Total Acre-Feet of Ground Water Applied	OR	Average Acre-Feet of Ground Water Applied per Acre	OR	Average Inches of Ground Water Applied per Acre
0444	0955		0445		0448

3. Report the area under protection irrigated with ground water in 2013.

(Note: The amount of ground water applied to the area under protection will be reported in Section 13.)

None

Square Feet Under Protection Irrigated with Ground Water
0455

4. How many wells on this operation were used in 2013?

Number of Wells
0460

a. Of the (item 4) wells, how many were free flowing (artesian wells)?

None

0486

b. Of the (item 4) wells, how many used backflow prevention devices (check valves) and how many acres and/or square feet under protection were irrigated with these wells in 2013? None

Number of Wells	Acres in the Open	Square Feet Under Protection
0770	0771	0679

c. Of the (item 4) wells, how many had flow meters or other flow measurement devices and how many acres and/or square feet under protection were irrigated with these wells in 2013? None

0683	0772	0680
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5. Report for the first three primary wells pumped in 2013

Well #
1.
2.
3.

Depth of Well (Feet)	Depth to Water at Start of Irrigation Season (Feet)	Depth to Bowls or Impellers (Feet)	Pump Capacity – Discharge From Well (GPM)	Operating Pressure at Well Head (PSI)	Size of Engine for All Motors, Including Electric (HP)	Total Hours Operated in 2013
0461	0462	0463	0464	0676	0761	0762
0465	0466	0467	0468	0677	0763	0764
0469	0470	0471	0472	0678	0765	0766

a. Report for all other wells pumped in 2013.

Average Depth of Well(s) (Feet)	Average Depth to Water at Start of Irrigation Season (Feet)	Average Depth to Bowls or Impellers (Feet)	Average Pump Capacity – Discharge from Well (GPM)	Average Operating Pressure at Well Head (PSI)	Average Size of Engine for All Motors, Including Electric (HP)	Average Hours Operated in 2013
0481	0482	0483	0484	0681	0767	0768

6. For the wells used on this operation, what is the best description for the depth to water over the last five years?

Check one: ⁰⁴⁸⁷ Depth to water did not change Depth to water increased Depth to water decreased

SECTION 4 ON-FARM SURFACE WATER USED ON THIS OPERATION IN 2013

1. Did this operation irrigate with on-farm surface water including recycled water and on-farm reclaimed water in 2013?

Recycled water is the reuse of surface or groundwater that was previously used to irrigate a crop on the operation during 2013 (e.g. water from a tailwater reuse pit used for irrigation).

On-farm reclaimed water is on-farm livestock wastewater that has been treated for non-potable reuse purposes. (For the purposes of this irrigation survey, to be considered an irrigation application of reclaimed water, at least 0.5 inches of reclaimed water must be applied on the area during the growing season.)

⁰⁴³⁸ **Yes** – Continue ³ **No** – Go to Section 5

If exact amounts are not available, provide your best estimate for quantity of water applied. If total area irrigated in the open is less than one acre, report as one acre in item 2.

2. Report acres in the open irrigated with on-farm surface water and amount of water applied in 2013. Include irrigated horticulture crops grown in the open and irrigated pastureland.

Acres Irrigated by On-Farm Surface Water	Total Acre-Feet of On-Farm Surface Water Applied	OR	Average Acre-Feet of On-Farm Surface Water Applied per Acre	OR	Average Inches of On-Farm Surface Water Applied per Acre
0449	0960		0450		0453

3. Report the area under protection irrigated with on-farm surface water in 2013. (Note: The amount of on-farm surface water applied to the area under protection will be reported in Section 13.) . . .

None

Square Feet Under Protection Irrigated with On-Farm Surface Water
0458

4. Did this operation use **on-farm recycled water** to irrigate any crops, including horticultural crops, grown during 2013?

⁰⁶⁰⁰ **Yes** – Continue ³ **No** – Go to item 5 below

- a. How many acres in the open and square feet under protection were irrigated with **recycled water** during 2013?

Acres in the Open	Square Feet Under Protection
0601	0936

5. Did this operation use **reclaimed water from on-farm livestock facilities** to irrigate any crops, including horticultural crops, grown during 2013? (For the purposes of this irrigation survey, to be considered an irrigation application of reclaimed water, at least 0.5 inches of reclaimed water must be applied on the area during the growing season. If this minimum amount is not met, answer “No.”)

⁰⁵⁴³ **Yes** – Continue ³ **No** – Go to Section 5

- a. How many acres in the open and/or square feet under protection were irrigated with one or more application of **reclaimed water from on-farm livestock facilities** during 2013?

Acres in the Open	Square Feet Under Protection
0587	0588

- b. How much **reclaimed water from on-farm livestock facilities** was used for irrigation during 2013?

None

Acre-Feet	OR	Gallons
0599		0561

SECTION 5 OFF-FARM WATER FROM ALL SUPPLIERS USED ON THIS OPERATION IN 2013

1. Did this operation irrigate with off-farm water in 2013?

INCLUDE

- acres in the open and area under protection irrigated with off-farm water from all suppliers
- all off-farm surface water, municipal water, and rural water suppliers
- area irrigated with reclaimed water from off-farm sources such as municipal reclaimed water, industrial, off-farm livestock operations, or other off-farm sources

⁰⁴⁵⁷ **Yes** – Continue **No** – Go to Section 6

If exact amounts are not available, provide your best estimate for quantity of water applied. If total area irrigated in the open is less than one acre, report as one acre in item 2. **Off-farm reclaimed water** is wastewater that has been treated for non-potable reuse purposes.

2. Report acres in the open irrigated with off-farm water and amount of water applied in 2013. Include irrigated horticulture crops grown in the open and irrigated pastureland.

Acres Irrigated by Off-Farm Water	Total Acre-Feet of Off-Farm Water Applied	OR	Average Acre-Feet of Off-Farm Water Applied per Acre	OR	Average Inches of Off-Farm Water Applied per Acre
0454	0965		0966		0967

3. Report the area under protection irrigated with off-farm water in 2013.

(Note: The amount of off-farm water applied to the area under protection will be reported in Section 13.).

Square Feet Under Protection Irrigated with Off-Farm Water
None <input type="checkbox"/> 0428

4. Did you pay for the off-farm water received on this operation?

⁰⁶⁷⁵ **Yes** – Report total dollars paid for the off-farm water.
 No – Go to item 5

Dollars
0456 \$ 00

5. How much of this operation’s off-farm water was supplied, delivered, or transferred through a project financed, constructed, or managed by –

- U.S. Bureau of Reclamation?
Include reclamation water delivered through a local district.
- Other Federal agencies such as the U.S. Army Corp of Engineers, Bureau of Indian Affairs, USDA small watershed project, etc.?.
- All other suppliers? Specify: . . .

⁰⁶⁶⁴ <input type="checkbox"/> None <input type="checkbox"/> Some <input type="checkbox"/> All
⁰⁶⁶⁵ <input type="checkbox"/> None <input type="checkbox"/> Some <input type="checkbox"/> All
⁰⁶⁶⁶ <input type="checkbox"/> None <input type="checkbox"/> Some <input type="checkbox"/> All

6. Did this operation use **reclaimed water from off-farm sources** such as municipal reclaimed water, industrial, off-farm livestock operations, or other off-farm sources to irrigate any crops in 2013? (For the purposes of this irrigation survey, to be considered an irrigation application of reclaimed water, at least 0.5 inches of reclaimed water must be applied on the area during the growing season. If this minimum amount is not met, answer “No.”)

⁰⁶⁰² **Yes** – Continue **No** – Go to Section 6

a. How many acres in the open and/or square feet under protection were irrigated with one or more application of **reclaimed water from off-farm sources** during 2013?

Acres in the Open	Square Feet Under Protection
0597	0598

b. How much **reclaimed water from off-farm sources** was used for irrigation during 2013?

Acre-Feet	OR	Gallons
0644		0645

c. What sources of reclaimed water were used on this operation in 2013? Mark (X) all that apply.

- ¹⁰⁰¹ Municipal ¹⁰⁰² Industrial
¹⁰⁰³ Off-farm livestock operation ¹⁰⁰⁴ Other – Specify:

SECTION 6 PUMPS, OTHER THAN WELL PUMPS, USED FOR IRRIGATION ON THIS OPERATION IN 2013

Report for all surface water source pumps used on this operation for irrigation during 2013.

	None	Number of Pumps Used	Vertical Lift (Average Feet)	Discharge Capacity (Average GPM)	Discharge Operating Pressure (Average PSI)	Average Hours Operated in 2013
1. Tailwater pits.	<input type="checkbox"/>	0490	0774	0491	0687	0661
2. Ponds, lakes, reservoirs, rivers, canals, etc.	<input type="checkbox"/>	0492	0775	0493	0688	0662
3. Relifting or boosting water within svstem.	<input type="checkbox"/>	0494	0776	0777	0778	0663

SECTION 7 ENERGY EXPENSE BY POWER SOURCE FOR ALL WELL AND OTHER IRRIGATION PUMPS ON THIS OPERATION IN 2013

Report the energy expense by power source. Report the fuel and power expense used for pumping irrigation water for the well pumps used in Section 3 and other pumps used in Section 6 above. Report energy expense for acres in the open and area under protection. If irrigated acres in the open were less than one acre, round to one acre. Include the cost of any additional charges such as the fuel adjustment charge or any other type of charge which was based on the amount of power or fuel purchased. Include landlord's share.

POWER SOURCE	None	Number of Wells and Other Pumps Used <i>(Reported in Sections 3 & 6)</i>	Cost of Energy Used to Power Pumps (Dollars)	Area Irrigated with Water from Wells		Area Irrigated with Surface Water (Both on- and off-farm)	
				Acres in the Open (Whole Acres)	Square Feet Under Protection	Acres in the Open (Whole Acres)	Square Feet Under Protection
1. Electricity.	<input type="checkbox"/>	0495	0496 \$.00	0497	0124	0781	0537
2. Natural gas.	<input type="checkbox"/>	0498	0499 \$.00	0500	0125	0782	0538
3. LP gas, propane, or butane.	<input type="checkbox"/>	0501	0502 \$.00	0503	0126	0783	0539
4. Diesel and biodiesel fuel.	<input type="checkbox"/>	0504	0505 \$.00	0506	0127	0784	0540
5. Gasoline, ethanol, and blends.	<input type="checkbox"/>	0507	0508 \$.00	0509	0128	0890	0541
6. Solar and other pumps without direct energy expense.	<input type="checkbox"/>	0779		0780	0129	0786	0542

SECTION 8 METHOD OF WATER DISTRIBUTION IN FIELDS IN THE OPEN ON THIS OPERATION IN 2013

Report acres irrigated by each type of FIELD distribution or delivery system listed below. If same land was irrigated by more than one method of distribution, report acres irrigated by each method used. Report information for the field distribution system, NOT for the delivery system used to convey water from the source to the field, if different. Include acres of horticulture crops grown in the open. Exclude crops grown under protection: glass, rigid plastic, plastic film, including "tunnel" protection. (Methods for crops grown under protection will be reported in Section 13.)

		Acres in the Open Irrigated by Gravity System (Field Water Conveyance System)					
		Total	Unlined Open Ditch	Lined Open Ditch	Poly Pipe (or other single-year use, lay-flat tubing)	Above Ground Pipe (except poly pipe) ¹	Underground Pipe ²
1. Gravity irrigation	None						
a. Down rows or furrows.	<input type="checkbox"/>	0855	0859	0857	0056	0057	0858
b. Controlled flooding (between borders or within basins).	<input type="checkbox"/>	0865	0869	0867	0066	0067	0868
c. Uncontrolled flooding (rangeland, pastureland, etc.).	<input type="checkbox"/>	0875					
d. Other gravity systems.	<input type="checkbox"/>	0885					

¹ Include gated pipe and riser or hydrant systems connected to above ground pipe.
² Include riser or hydrant systems connected to underground pipe.

		Acres in the Open Irrigated by Sprinkler System			
		Very Low Pressure (Under 15 PSI)	Low Pressure (15 to 29 PSI)	Medium Pressure (30 to 59 PSI)	High Pressure (60 PSI or more)
2. Sprinkler irrigation – Inlet pressure	None				
a. Center pivot systems (circle).	<input type="checkbox"/>	0569	0576	0575	0570
b. Linear move tower systems (and other linear continuous move drive systems).	<input type="checkbox"/>	0571	0577	0578	0579
c. Solid set and permanent systems (except low-flow micro systems).	<input type="checkbox"/>	0568	0565	0566	0567

		None	Acres Irrigated (all pressures)
d. Mechanical move systems			
(i) Side roll, wheel move, or other mechanical move systems and other discrete move systems.	<input type="checkbox"/>		0240
(ii) Big gun or traveler systems.	<input type="checkbox"/>		0241
e. Hand-move systems, including hand watered horticulture crops grown in the open.	<input type="checkbox"/>		0242
f. Other sprinkler systems.	<input type="checkbox"/>		0243

		None	Acres Irrigated (all pressures)
3. Drip, trickle, or low-flow micro irrigation - except poly and lay-flat tubing			
a. Surface drip (on or above ground).	<input type="checkbox"/>		0248
b. Sub-surface drip (root zone).	<input type="checkbox"/>		0246
c. Low-flow micro sprinklers or sprays (apply water at low pressure and are not self-propelled or easily moved).	<input type="checkbox"/>		0247
d. Other drip, trickle, or low-flow micro systems.	<input type="checkbox"/>		0249

SECTION 9 ACRES HARVESTED IN THE OPEN AND CROP YIELDS ON THIS OPERATION IN 2013

For each crop listed, report separately the harvested irrigated land and the harvested non-irrigated land. For selected crops, report the average yield from irrigated land and non-irrigated land. Report harvested crops as irrigated if any water was artificially applied either before planting or during the crop's growing season in 2013. Report the crop as irrigated if water was applied to supplement rainfall, even if the amount of water applied was not sufficient to obtain maximum yields. **Include horticulture crops grown in the open in item 16.**

Crops		Irrigated Land Include preplant and supplemental or semi-irrigation					Non-Irrigated Land		
		Irrigated Acres Harvested	Average Yield per Irrigated Acre Harvested	Average Estimated Quantity of Water Applied per Acre			Non-Irrigated Acres Harvested	Average Yield per Non-Irrigated Acre Harvested	
				Acre-Feet per Acre	or	Inches per Acre			
1. Corn for grain or seed – Exclude popcorn and sweet corn . . .	None <input type="checkbox"/>	0050	0051 Bu.	0052	or	0053	0054	0055 Bu.	
2. Corn for silage or greenchop – Exclude popcorn and sweet corn . . .	<input type="checkbox"/>	0060	0061 Tons	0062	or	0063	0064	0065 Tons	
3. Sorghum for grain or seed	<input type="checkbox"/>	0070	0071 Bu.	0072	or	0073	0074	0075 Bu.	
4. Wheat for grain or seed	<input type="checkbox"/>	0080	0081 Bu.	0082	or	0083	0084	0085 Bu.	
5. Soybeans for beans	<input type="checkbox"/>	0106	0101 Bu.	0102	or	0103	0104	0105 Bu.	
6. Beans, dry edible	<input type="checkbox"/>	0110	0111 Cwt.	0112	or	0113	0114	0115 Cwt.	
7. Rice (including post harvest water applied to improve residue decomposition)	<input type="checkbox"/>	0120	0121 Cwt.	0122	or	0123			
8. Other small grains (barley,oats, rye, etc.)	<input type="checkbox"/>	0130		0132	or	0133	0134		
9. Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage) . . .	<input type="checkbox"/>	0140	0141 Tons, dry	0142	or	0143	0144	0145 Tons, dry	
10. All other hay and haylage, including small grain, other tame, and wild hay (dry hay, greenchop, and silage) . . .	<input type="checkbox"/>	0150	0151 Tons, dry	0152	or	0153	0154	0155 Tons, dry	

SECTION 9
Continued

ACRES HARVESTED IN THE OPEN AND CROP YIELDS ON THIS OPERATION IN 2013

For each crop listed, report separately the harvested irrigated land and the harvested non-irrigated land. For selected crops, report the average yield from irrigated land and non-irrigated land. Report harvested crops as irrigated if any water was artificially applied either before planting or during the crop's growing season in 2013. Report the crop as irrigated if water was applied to supplement rainfall, even if the amount of water applied was not sufficient to obtain maximum yields. **Include horticulture crops grown in the open in item 16.**

Crops		Irrigated Land Include preplant and supplemental or semi-irrigation					Non-Irrigated Land			
		Irrigated Acres Harvested	Average Yield per Irrigated Acre Harvested	Average Estimated Quantity of Water Applied per Acre			Non-Irrigated Acres Harvested	Average Yield per Non-Irrigated Acre Harvested		
				Acre-Feet per Acre	or	Inches per Acre				
11. Peanuts	<input type="checkbox"/>	0550	0551	Lbs.	0552	or	0553	0554	0555	Lbs.
12. Cotton	<input type="checkbox"/>	0160	0161	Lbs. lint	0162	or	0163	0164	0165	Lbs.lint
13. All land from which vegetables, potatoes, and melons were harvested	<input type="checkbox"/>	0186			0187	or	0188	0189		
a. Sweet corn	<input type="checkbox"/>	0850	0851	Cwt.	0852	or	0853	0854	0975	Cwt.
b. Tomatoes in the open.	<input type="checkbox"/>	0860	0861	Cwt.	0862	or	0863	0864	0985	Cwt.
c. Lettuce and romaine	<input type="checkbox"/>	0870	0871	Cwt.	0872	or	0873	0874	0995	Cwt.
d. Potatoes – Exclude sweet potatoes.	<input type="checkbox"/>	0190	0191	Cwt.	0192	or	0193	0194	0195	Cwt.
14. All berries.	<input type="checkbox"/>	0560			0562	or	0563	0564		
15. Land in bearing and non-bearing fruit orchards, citrus or other groves, vineyards, and nut trees	<input type="checkbox"/>	0210			0212	or	0213	0214		
16. All other crops grown in the open and not listed – Include horticulture crops grown in the open (Note: Report horticulture crops grown under protection in Section 13.) Specify: _____	<input type="checkbox"/>	0220			0222	or	0223	0224		
17. Pastureland, all types	<input type="checkbox"/>	0230			0232	or	0233	0234		

SECTION 10

PRIMARY METHOD OF FIELD WATER DISTRIBUTION, WATER SOURCE, AND ACREAGE OF CHEMIGATION IN IRRIGATION WATER FOR CROPS IRRIGATED IN THE OPEN IN 2013

PRESSURE AND GRAVITY IRRIGATION SYSTEMS I.D. CODES for column 1 below

PRESSURE SYSTEMS	GRAVITY SYSTEMS
01 = Hand-move system	15 = Down rows or furrows from unlined open ditches
02 = Solid or permanent set system	16 = Down rows or furrows from lined open ditches
03 = Side roll or wheel line system	17 = Down rows or furrows from poly pipe, lay-flat tubing, or above or underground pipe
04 = Big gun or traveling gun system	18 = Controlled flooding within field borders from unlined open ditches
05 = Linear move system (under 15 PSI)	19 = Controlled flooding within field borders from lined open ditches
06 = Linear move system (15 to 29 PSI)	20 = Controlled flooding within field borders from poly pipe, lay-flat tubing, or above ground pipe
07 = Linear move system (30 to 59 PSI)	21 = Controlled flooding within field borders from below ground pipe
08 = Linear move system (60 PSI or more)	22 = Uncontrolled flooding (rangeland, pastureland, etc.) including open discharge from a well or pump
09 = Center pivot system (under 15 PSI)	23 = Other gravity system – Specify:
10 = Center pivot system (15 to 29 PSI)	1007 _____
11 = Center pivot system (30 to 59 PSI)	
12 = Center pivot system (60 PSI or more)	
13 = Low-flow irrigation (drip, trickle, or micro sprinkler system)	
14 = Other pressure system – Specify:	
1006 _____	

Report only for irrigated acres harvested. For each irrigated crop harvested, report separately the primary field distribution method, acres irrigated by water source, and acres on which chemigation was used in the irrigation system. Refer to the table above for the water distribution I.D. codes for column 1.

Irrigated Crops	Primary method of field water distribution (Enter irrigation system I.D. code from above.)	Water source (Column totals may exceed irrigated crop acres reported in Section 9 when more than one water source was used.)			Acres on which chemigation was applied through the irrigation system		
		Column 1	Ground Water from Wells	On-Farm Surface Water ¹	Water from Off-Farm Suppliers ²	Commercial Fertilizer	Pesticide Application
		Enter system code	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
1. Corn for grain or seed – Exclude popcorn and sweet corn. <input type="checkbox"/>	None	0250	0255	0254	0256	0252	0253
	I.D.						
2. Corn for silage or greenchop – Exclude popcorn and sweet corn. <input type="checkbox"/>		0260	0265	0264	0266	0262	0263
	I.D.						
3. Sorghum for grain or seed. <input type="checkbox"/>		0270	0275	0274	0276	0272	0273
	I.D.						
4. Wheat for grain or seed. <input type="checkbox"/>		0280	0285	0284	0286	0282	0283
	I.D.						
5. Soybeans for beans. <input type="checkbox"/>		0300	0305	0304	0306	0302	0303
	I.D.						
6. Beans, dry edible. <input type="checkbox"/>		0310	0315	0314	0316	0312	0313
	I.D.						
7. Rice. <input type="checkbox"/>		0320	0325	0324	0326	0322	0323
	I.D.						
8. Other small grains (barley, oats, rye, etc.). <input type="checkbox"/>		0330	0335	0334	0336	0332	0333
	I.D.						
9. Alfalfa and alfalfa mixtures (dry hay, greenchop and silage). <input type="checkbox"/>		0340	0345	0344	0346	0342	0343
	I.D.						
10. All other hay including small grain, other tame, and wild hay (dry hay, greenchop and silage). <input type="checkbox"/>		0350	0355	0354	0356	0352	0353
	I.D.						

¹ On-farm water source includes recycled water and reclaimed water from on-farm livestock operations.
² Off-farm water supplies may include water purchased from the U.S. Bureau of Reclamation; a State, county, or local district; mutual, private, cooperative, or neighborhood ditches; or commercial or municipal water systems.

SECTION 10
Continued

PRIMARY METHOD OF FIELD WATER DISTRIBUTION, WATER SOURCE, AND ACREAGE OF CHEMIGATION IN IRRIGATION WATER FOR CROPS IRRIGATED IN THE OPEN IN 2013

PRESSURE and GRAVITY IRRIGATION SYSTEMS I.D. CODES for column 1 below

PRESSURE SYSTEMS	GRAVITY SYSTEMS
01 = Hand-move system	15 = Down rows or furrows from unlined open ditches
02 = Solid or permanent set system	16 = Down rows or furrows from lined open ditches
03 = Side roll or wheel line system	17 = Down rows or furrows from poly pipe, lay-flat tubing, or above or underground pipe
04 = Big gun or traveling gun system	18 = Controlled flooding within field borders from unlined open ditches
05 = Linear move system (under 15 PSI)	19 = Controlled flooding within field borders from lined open ditches
06 = Linear move system (15 to 29 PSI)	20 = Controlled flooding within field borders from poly pipe, lay-flat tubing, or above ground pipe
07 = Linear move system (30 to 59 PSI)	21 = Controlled flooding within field borders from below ground pipe
08 = Linear move system (60 PSI or more)	22 = Uncontrolled flooding (rangeland, pastureland, etc.) including open discharge from a well or pump
09 = Center pivot system (under 15 PSI)	23 = Other gravity system – Specify:
10 = Center pivot system (15 to 29 PSI)	1007 _____
11 = Center pivot system (30 to 59 PSI)	
12 = Center pivot system (60 PSI or more)	
13 = Low-flow irrigation (drip, trickle, or micro sprinkler system)	
14 = Other pressure system – Specify:	
1006 _____	

Report only for irrigated acres harvested. For each irrigated crop harvested, report separately the primary field distribution method, acres irrigated by water source, and acres on which chemigation was used in the irrigation system. Refer to the table above for the water distribution I.D. codes for column 1.

Irrigated Crops	Primary method of field water distribution (Enter irrigation system I.D. code from above.)	Water source (Column totals may exceed irrigated crop acres reported in Section 9 when more than one water source was used.)			Acres on which chemigation was applied through the irrigation system		
		Column 1 Enter system code	Ground Water from Wells (Acres)	On-Farm Surface Water ¹ (Acres)	Water from Off-Farm Suppliers ² (Acres)	Commercial Fertilizer (Acres)	Pesticide Application (Acres)
11. Peanuts. <input type="checkbox"/>	None	0580	0585	0584	0586	0582	0583
12. Cotton. <input type="checkbox"/>		0360	0365	0364	0366	0362	0363
13. All acres in the open from which vegetables, potatoes, and melons were harvested. . . <input type="checkbox"/>		0474	0479	0478	0480	0476	0477
a. Sweet corn. <input type="checkbox"/>		0900	0905	0904	0906	0902	0903
b. Tomatoes in the open. . . <input type="checkbox"/>		0910	0915	0914	0916	0912	0913
c. Lettuce and romaine. . . . <input type="checkbox"/>		0920	0925	0924	0926	0922	0923
d. Potatoes – Exclude sweet potatoes. <input type="checkbox"/>		0390	0395	0394	0396	0392	0393
14. All berries. <input type="checkbox"/>		0590	0595	0594	0596	0592	0593
15. Land in bearing and non-bearing fruit orchards, citrus or other groves, vineyards, and nut trees. . . . <input type="checkbox"/>		0410	0415	0414	0416	0412	0413
16. All other crops grown in the open and not listed – Include horticulture crops grown in the open (Note: Report horticulture crops grown under protection in Section 13.) Specify: _____ <input type="checkbox"/>		0420	0425	0424	0426	0422	0423
17. Pastureland, all types. <input type="checkbox"/>		0430	0435	0434	0436	0432	0433

¹ On-farm water source includes recycled water and reclaimed water from on-farm livestock operations.
² Off-farm water supplies may include water purchased from the U.S. Bureau of Reclamation; a State, county, or local district; mutual, private, cooperative, or neighborhood ditches; or commercial or municipal water systems.

SECTION 11

IRRIGATION AREA, METHODS, AND WATER APPLIED TO HORTICULTURAL CROPS GROWN IN THE OPEN IN 2013

1. Were any irrigated floriculture, nursery sod, propagative materials, Christmas trees or other horticultural crops grown in the open (including natural shade) on this operation in 2013?

⁰⁷⁵¹ 1 **Yes** – Continue 3 **No** – Go to Section 13

Acres in the Open	
Total Acres (Nearest Tenth)	Irrigated Acres (Nearest Tenth)
0737	0738
•__	•__

2. Report total acres and irrigated acres for horticultural crops grown in the open (including natural shade).

3. For horticultural crops only, enter the total acres and irrigated acres by horticultural crop category on this operation in 2013.

HORTICULTURAL CROPS

None		Total Acres (Nearest Tenth)	Irrigated Acres (Nearest Tenth)
a. Floriculture and bedding crops.	<input type="checkbox"/>	0739	0740
b. Nursery crops.	<input type="checkbox"/>	0741	0742
c. Sod.	<input type="checkbox"/>	0743	0744
d. Propagative materials.	<input type="checkbox"/>	0745	0746
e. Christmas trees and short rotation woody crops.	<input type="checkbox"/>	0747	0748
f. Other horticultural crops – Specify: ¹⁰¹⁰ _____	<input type="checkbox"/>	0749	0750
		•__	•__

4. For horticultural crops in the open, report area irrigated or watered in 2013 by method used. If more than one method was used on the same area, report for all methods that apply. Report quantity of water in the unit or units of measure most used on this operation. If total quantity of water (column 2a) and the unit of measure (column 2b) are known, then skip column 3.

IRRIGATION METHODS

- None
- a. Hand watered.
 - b. Gravity irrigation.
 - c. Sprinkler.
 - d. Drip, trickle, or low-flow micro irrigation.
 - e. Subirrigation (including hydroponic). . .

1	2		OR	3		
	a. Quantity of Water Applied	b. Unit of Measure [Enter unit code] 1 Acre Feet 2 Gallons 3 Inches/Acre		a. Average Flow Rate (Gallons per Minute)	b. Number of Hours per Week Used in 2013	c. Number of Weeks Used in 2013
0796	0797	0798		0799	0800	0801
0802	0803	0804		0805	0806	0807
0808	0809	0810		0811	0812	0813
0814	0815	0816		0817	0818	0819
0820	0821	0822		0823	0824	0825
•__				•__		

SECTION 12 IRRIGATION OF HORTICULTURAL CROPS GROWN IN THE OPEN BY WATER SOURCE IN 2013

1. For each method used to irrigate or water horticultural crops in the open, report water sources by percent of source applied. If more than one source was used, report all that apply. For example, if the only source for hand-watered crops was ground water, then report 100 percent in column 1. If this operation used gravity irrigation and half of the water came from ground water and half came from on-farm surface water, then report 50 percent in column 1, row b and 50 percent in column 2, row b.

IRRIGATION METHODS		Water Source			
		1	2	3	Total
		Ground Water from Wells (Percent)	On-Farm Surface Water (Percent)	Off-Farm Water (All Suppliers) (Percent)	
a. Hand watered.	<input type="checkbox"/>	0832	0833	0834	100%
b. Gravity irrigation.	<input type="checkbox"/>	0835	0836	0837	100%
c. Sprinkler.	<input type="checkbox"/>	0838	0839	0840	100%
d. Drip, trickle, or low-flow micro irrigation.	<input type="checkbox"/>	0841	0842	0843	100%
e. Subirrigation (including hydroponic).	<input type="checkbox"/>	0844	0845	0846	100%
		For each irrigation method used, columns 1 + 2 + 3 must equal 100 percent.			

SECTION 13

IRRIGATION AREA, METHODS, AND WATER APPLIED TO HORTICULTURAL CROPS GROWN UNDER PROTECTION IN 2013

1. Were any irrigated nursery, greenhouse, floriculture, mushrooms, propagative materials, or other horticultural crops grown under protection on this operation in 2013? Include horticultural crops grown under glass, rigid plastic, plastic film, including "tunnel" protection.)

⁰⁶²⁷ **Yes** – Continue **No** – Go to Section 15

None	Square Feet Under Protection	
	Total Area	Irrigated Area
<input type="checkbox"/>	0628	0629

2. Report total area and irrigated area for horticultural crops grown under protection.

3. For horticultural crops under protection, enter the total area and irrigated area by horticultural crop category on this operation in 2013.

HORTICULTURAL CROPS

- a. Floriculture and bedding crops.
- b. Nursery crops.
- c. Propagative materials.
- d. Food crops grown under protection.
- e. Mushroom crops.
- f. Other horticultural crops – Specify: ¹⁰¹¹ _____

None	Total Area (Square Feet)	Irrigated Area (Square Feet)
<input type="checkbox"/>	0630	0631
<input type="checkbox"/>	0632	0633
<input type="checkbox"/>	0636	0637
<input type="checkbox"/>	0638	0639
<input type="checkbox"/>	0640	0641
<input type="checkbox"/>	0642	0643

4. For horticultural crops under protection, report area irrigated or watered in 2013 by method used. If more than one method was used, report all that apply. Report quantity of water in the unit or units of measure most used on this operation. If total quantity of water (column 2a) and the unit of measure (column 2b) are known, then skip column 3.

IRRIGATION METHODS	None	1	2		OR	3		
		Total Area Irrigated or Watered (Square Feet)	a. Quantity of Water Applied	b. Unit of Measure [Enter unit code] 1 Acre Feet 2 Gallons 3 Gallons/Sq Ft. 4 Inches/Sq Ft.		a. Average Flow Rate (Gallons per Minute)	b. Number of Hours per Week Used in 2013	c. Number of Weeks Used in 2013
a. Hand watered.	<input type="checkbox"/>	0701	0702	0703		0704	0705	0706
b. Gravity irrigation.	<input type="checkbox"/>	0707	0708	0709		0710	0711	0712
c. Sprinkler.	<input type="checkbox"/>	0713	0714	0715		0716	0717	0718
d. Drip, trickle, or low-flow micro irrigation.	<input type="checkbox"/>	0719	0720	0721		0722	0723	0724
e. Subirrigation (including hydroponic). . .	<input type="checkbox"/>	0725	0726	0727		0728	0729	0730

SECTION 14

IRRIGATION OF HORTICULTURAL CROPS GROWN UNDER PROTECTION BY WATER SOURCE IN 2013

1. For each method used to irrigate or water horticultural crops under protection, report water sources by percent of source applied. If more than one source was used, report all that apply. For example, if the only source for hand-watered crops was ground water, then report 100 percent in column 1. If this operation used gravity irrigation and half of the water came from ground water and half came from on-farm surface water, then report 50 percent in column 1, row b and 50 percent in column 2, row b.

IRRIGATION METHODS		Water Source			
		1	2	3	Total
		Ground Water from Wells (Percent)	On-Farm Surface Water (Percent)	Off-Farm Water (All Suppliers) (Percent)	
a. Hand watered.	<input type="checkbox"/>	0646	0647	0648	100%
b. Gravity irrigation.	<input type="checkbox"/>	0649	0650	0651	100%
c. Sprinkler.	<input type="checkbox"/>	0652	0653	0654	100%
d. Drip, trickle, or low-flow micro irrigation.	<input type="checkbox"/>	0655	0656	0657	100%
e. Subirrigation (including hydroponic).	<input type="checkbox"/>	0658	0659	0660	100%
		For each irrigation method used, columns 1 + 2 + 3 must equal 100 percent.			

SECTION 15 EXPENDITURES FOR IRRIGATION FACILITIES AND EQUIPMENT ON THIS OPERATION IN 2013

Report the 2013 expenditure cost, acres affected, primary purpose of expenditure made, and primary source of funding assistance by expenditure category. Include the portion of the expenditures made by or shared with others (landlords or government agencies), including programs such as Environmental Quality Incentive Program (EQIP), etc.

EXPENDITURE TYPE	None	Total Cost of Expenditure (Include amount financed)	Irrigated Acres Affected by Expenditure	Primary Purpose of Expenditure (Mark (X) primary purpose only)	Primary Source of Funding Assistance (Mark (X) primary source only)
1. Purchase of new or replacement irrigation equipment and machinery – Include sprinklers, pipes, siphons, nozzles, pumps, engines, motors, filtration equipment, etc. Exclude computers, computer control panels, software. Report these in item 4.	<input type="checkbox"/>	0511 \$.00	0514 Acres	0512 1 <input type="checkbox"/> New expansion 2 <input type="checkbox"/> Water conservation 3 <input type="checkbox"/> Energy conservation 4 <input type="checkbox"/> Scheduled replacement or maintenance	0513 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance
2. New well construction or deepening of existing wells – Include drilling costs, cost of casing, and any costs to prepare well for installation of pump. Exclude cost of pumps or motors.	<input type="checkbox"/>	0515 \$.00	0518 Acres	0516 1 <input type="checkbox"/> New expansion 2 <input type="checkbox"/> Water conservation 3 <input type="checkbox"/> Energy conservation 4 <input type="checkbox"/> Scheduled replacement or maintenance	0517 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance
3. Construction or improvement of permanent storage and distribution systems – Include dams, ponds, reservoirs, permanent ditches, canals, flumes, etc..	<input type="checkbox"/>	0519 \$.00	0522 Acres	0520 1 <input type="checkbox"/> New expansion 2 <input type="checkbox"/> Water conservation 3 <input type="checkbox"/> Energy conservation 4 <input type="checkbox"/> Scheduled replacement or maintenance	0521 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance
4. Computers, control panels, computer controlled valves, software, and software controlled hardware for irrigation water management	<input type="checkbox"/>	0544 \$.00	0547 Acres	0545 1 <input type="checkbox"/> New expansion 2 <input type="checkbox"/> Water conservation 3 <input type="checkbox"/> Energy conservation 4 <input type="checkbox"/> Scheduled replacement or maintenance	0546 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance
		0548 \$.00	0526 Acres		0549 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance
5. Clearing or leveling non-irrigated land for new irrigation acres (the principal purpose is expansion of irrigation acres).	<input type="checkbox"/>				
6. Land leveling of previously irrigated land.	<input type="checkbox"/>	0556 \$.00	0559 Acres	0557 1 <input type="checkbox"/> New expansion 2 <input type="checkbox"/> Water conservation 3 <input type="checkbox"/> Energy conservation 4 <input type="checkbox"/> Scheduled replacement or maintenance	0558 1 <input type="checkbox"/> No funding assistance 2 <input type="checkbox"/> EQIP 3 <input type="checkbox"/> Other USDA financial assistance 4 <input type="checkbox"/> Non-USDA financial assistance

SECTION 16

BARRIERS TO IMPLEMENTING IMPROVEMENTS TO REDUCE ENERGY USE OR CONSERVE WATER IN THIS OPERATION'S IRRIGATION SYSTEM DURING THE PAST FIVE YEARS

1. Were there any barriers to implementing improvements that would have reduced energy and/or conserved water in your irrigation system during the past five years?

⁰⁶⁹² ₁ **Yes** – Continue ₃ **No** – Go to Section 17

2. What were the barriers? Mark (X) all that apply –

- ¹⁰⁷⁰ Investigating improvements is not a priority at this time
- ¹⁰⁷¹ Risk of reduced yield or poorer quality crop from not meeting water needs
- ¹⁰⁷² Physical field or crop conditions limit system improvements
- ¹⁰⁷³ Improvements will reduce costs, but not enough to recover implementation costs
- ¹⁰⁷⁴ Cannot finance improvements
- ¹⁰⁷⁵ Landlord(s) will not share cost of improvements
- ¹⁰⁷⁶ Uncertainty about future availability of water
- ¹⁰⁷⁷ Will not be farming this operation long enough to justify new improvements
- ¹⁰⁷⁸ Improvements will increase management time or cost

SECTION 17

WATER MANAGEMENT PRACTICES FOR GRAVITY IRRIGATION SYSTEMS

1. Did this operation use gravity irrigation systems to irrigate any acres on this operation (Section 8, item 1) in 2013?

⁰⁴⁰³ ₁ **Yes** – Continue ₃ **No** – Go to Section 18

2. On how many acres did you use the following techniques?

	None	Number of Acres
a. Capturing irrigation runoff in tailwater pits, restricting runoff by diking end of the field, limiting irrigation set times or number of irrigations, or irrigating only alternative rows. . .	<input type="checkbox"/>	0404
b. Using a surge-flow or cablegation system, applying mulch or other types of row covers.	<input type="checkbox"/>	0405
c. Using precision-leveling or zero-grading.	<input type="checkbox"/>	0406
d. Shortening of the furrow length; use of water-soluble polyacrylamide (PAM); or use of special furrowing practices such as wide-spaced bed furrowing, compacted furrows, or furrow diking.	<input type="checkbox"/>	0409

SECTION 18 IRRIGATION PRACTICES IN 2013

1. How did you decide when to schedule water use in 2013? Mark (X) all that apply –

- 1020 Condition of crop (observation or experience)
- 1021 Feel of the soil
- 1022 Use of soil moisture-sensing devices (moisture blocks, tensiometers, capacitance, other electronic sensors)
- 1023 Use of plant moisture-sensing devices such as pressure (chamber) bombs or infrared (IR) thermometer
- 1024 Use of irrigation scheduling service, including commercial and government
- 1025 Reports on daily crop-water evapo-transpiration (ET) use (Internet, newspapers, radio, TV, fax, and email)
- 1026 When water was delivered or available by irrigation water supplier (no choice by water user)
- 1027 Personal calendar schedule
- 1028 Computer simulation models (not from a commercial service)
- 1029 When neighbors began to irrigate

2. Did you have to discontinue irrigation during 2013 long enough to affect crop yields?

- 0669 **Yes** – Continue **No** – Go to Section 19

a. What were the reasons for discontinuing irrigation? Mark (X) all that apply –

- 1030 Shortage of surface water (water from reservoirs, lakes, streams, water supply organizations, etc.)
- 1031 Shortage of ground water (lowering water level of wells or depletion of ground water)
- 1032 Irrigation equipment failure
- 1033 Energy price increases or energy shortage
- 1034 Water salinity too high
- 1035 Loss of water rights not due to voluntary transfers
- 1036 Cost of purchased water
- 1037 Other – Specify: ¹⁰³⁸ _____

SECTION 19 LABOR USED FOR IRRIGATION ON THIS OPERATION IN 2013

1. Was there any paid labor for the irrigation portion of your operation in 2013?

- 0731 **Yes** – Continue **No** – Go to Section 20

None	Total Hours of Paid Irrigation Labor	Average Labor Rate Paid per Hour
<input type="checkbox"/>	0732	0733 \$ _____

a. What were the hours and wages for hired irrigation labor? . . .

None	Total Expense for Contract Irrigation Labor
<input type="checkbox"/>	0788 \$ _____ .00

b. What were the contract irrigation labor expenses on this operation in 2013?

SECTION 20 SOURCES OF IRRIGATION INFORMATION

1. What sources of information does this operation rely on for guidance in reducing irrigation costs or to conserve water used for irrigation? Mark (X) all that apply –

- 1040 Extension agents or university specialists
 1041 Private irrigation specialists or crop consultants hired by owner or operator
 1042 Irrigation equipment dealers
 1043 Local irrigation district employees or others hired by the water supplier
 1044 Government specialists from the Natural Resources Conservation Service, local conservation district, Bureau of Reclamation, or other Federal and State agencies
 1045 Media reports or information in the press
 1046 Neighboring farmers
 1047 Electronic information services (Internet, DTN, Internet links to private or public data sources, etc.)

SECTION 21 TECHNICAL AND FINANCIAL ASSISTANCE RECEIVED DURING THE PAST FIVE YEARS

1. Has this operation made irrigation and/or drainage improvements above regular maintenance in the **past five years**?

0209 ₁ **Yes** – Continue ₃ **No** – Go to Section 22

2. Did you receive any technical or financial assistance for these irrigation and/or drainage improvements?

0211 ₁ **Yes** – Continue ₃ **No** – Go to Section 22

- a. From which of the following sources did you receive technical or financial assistance for these improvements?

Mark (X) all that apply –

Source of Assistance	Technical Assistance	Financial Assistance
USDA programs for water conservation and environmental improvements (CTA, EQIP, AWEP, WHIP, CIG)	0215 <input type="checkbox"/>	0216 <input type="checkbox"/>
Other USDA programs for stewardship (CSP) or easements (CRP, WRP, GRP, FRPP)	0217 <input type="checkbox"/>	0218 <input type="checkbox"/>
Non-USDA Federal programs (Bureau of Reclamation, EPA or other programs)	0219 <input type="checkbox"/>	0235 <input type="checkbox"/>
State programs (including CREP), local water management or water supply districts	0236 <input type="checkbox"/>	0237 <input type="checkbox"/>
Private businesses such as equipment dealers, bankers, or lenders	0238 <input type="checkbox"/>	0239 <input type="checkbox"/>

SECTION 22 IRRIGATED LAND IN 2012

Complete this section ONLY if you DID NOT irrigate any land in 2013

1. Was any land irrigated on this operation in 2012?
0528 **Yes** – Continue **No** – Go to Section 23

2. What were the reasons for not irrigating in 2013? Mark (X) all that apply –
 - 1050 Sufficient soil moisture – no irrigation needed
 - 1051 Surplus soil moisture or flooding
 - 1052 Shortage of surface water (water from reservoirs, lakes, streams, water supply organizations, etc.)
 - 1053 Shortage of ground water (lowering water level of wells or depletion of ground water)
 - 1054 Irrigation uneconomical due to high fuel and power costs and/or low commodity prices
 - 1055 Loss of water rights (not due to voluntary transfers)
 - 1056 Sold or leased water rights or annual water allocation
 - 1057 Sold or leased irrigated land or irrigated area under protection to others and did not irrigate during 2013
 - 1058 Restrictions on water use
 - 1059 Converted to non-agricultural use
 - 1060 Converted to an agricultural enterprise not requiring irrigation
 - 1061 Available surface water too salty
 - 1062 Other – Specify: 1063 _____

3. Do you consider your discontinuance of irrigation to be permanent? 0530 **Yes** **No**

SECTION 23 VALUE OF SALES IN 2013

1. What was the gross value of all agricultural products sold from this operation in 2013 including landlord’s share?
 Mark (X) only one –
 - 0980 \$ 0 - \$9,999 \$10,000 - \$24,999 \$25,000 - \$49,999 \$50,000 - \$99,999
 - \$100,000 - \$249,999 \$250,000 - \$499,999 \$500,000 - \$999,999 \$1,000,000 and over

2. What percent of total sales were from **irrigated** crop sales, including irrigated horticultural crops?
3. What percent of total sales were from **non-irrigated** crop sales and livestock sales?

Percent
0981
0982
100%

SECTION 24 PERSON COMPLETING THIS FORM – Please print

Name: _____	9911 Phone: (____) _____	9910	MM	DD	YY
Date: ____/____/____					

Survey Results: To receive the complete results of this survey on the release date, go to www.agcensus.usda.gov.

Would you rather have a brief summary mailed to you at a later date? 0099 **Yes** **No**

Thank you for your response.

OFFICE USE													
Response		Respondent		Mode		Enum.	Eval.	R. Unit	Change	Optional Use			
1-Comp	9901	1-Op/Mgr	9902	1-Mail	9903	0098	0100	0921	0785	0407	0408	9906	9916
2-R		2-Sp		2-Tel									
3-Inac		3-Acct/Bkpr		3-Face-to-Face									
		4-Partner											
		9-Oth											
S/E Name													