

Table 38. Selected Crops Irrigated and Harvested in the Open by Primary Method of Water Distribution – United States: 2013

[Excludes area under protection and institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Crop	All methods		Pressure systems				Gravity systems			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres		
Corn for grain or seed	37,247	13,289,247	29,752	11,012,114	7,495	2,277,133				
Corn for silage or greenchop	8,382	1,729,358	4,660	1,204,133	3,722	525,225				
Sorghum for grain or seed	3,923	809,579	3,263	686,269	660	123,310				
Wheat for grain or seed	12,974	3,197,501	9,934	2,654,442	3,040	543,059				
Soybeans for beans	21,755	7,413,276	15,399	4,041,900	6,356	3,371,376				
Beans, dry edible	2,793	433,590	1,617	320,390	1,176	113,200				
Rice	5,613	3,132,894	146	33,690	5,467	3,099,204				
Other small grains (barley, oats, rye, etc.)	6,258	1,209,527	3,949	887,964	2,309	321,563				
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	46,181	5,512,871	26,645	3,545,400	19,536	1,967,471				
All other hay (dry hay, greenchop, and silage)	28,142	3,300,889	14,595	1,462,829	13,547	1,838,060				
Peanuts	1,605	371,634	1,566	360,505	39	11,129				
Cotton, all	6,804	2,954,457	5,221	2,179,929	1,583	774,528				
Land in vegetables	24,157	2,993,600	22,212	2,653,255	1,945	340,345				
Selected vegetables:										
Sweet corn	5,923	321,992	5,205	291,368	718	30,624				
Tomatoes in the open	10,496	358,985	9,852	296,125	644	62,860				
Lettuce and romaine	5,052	264,154	4,671	214,794	381	49,360				
Potatoes, excluding sweet potatoes	5,596	903,297	5,300	876,416	296	26,881				
All berries	12,763	227,651	12,043	221,398	720	6,253				
Land in orchards, vineyards, and nut trees	52,018	3,662,131	43,177	3,148,482	8,841	513,650				
All other crops (see text)	26,309	2,320,822	23,709	1,619,163	2,600	701,659				
Pastureland, all types	42,733	3,034,409	19,164	860,538	23,569	2,173,871				
	Pressure irrigation distribution systems ¹									
	Hand move		Solid or permanent set		Side roll or wheel line		Big gun		Low-flow irrigation (drip, trickle, or micro sprinklers)	
Crop	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²
Corn for grain or seed	1.2	0.2	0.9	0.1	0.5	0.3	1.3	0.3	1.5	0.4
Corn for silage or greenchop	0.6	0.3	0.2	0.1	1.0	0.4	2.8	1.2	0.8	0.5
Sorghum for grain or seed	(Z)	(D)	1.8	0.3	0.2	(D)	0.7	0.1	3.3	1.9
Wheat for grain or seed	4.4	1.6	0.7	1.4	5.2	4.6	0.5	0.3	1.6	1.2
Soybeans for beans	0.6	0.2	0.5	0.6	0.6	0.4	1.5	0.4	0.6	0.4
Beans, dry edible	10.9	1.4	1.3	1.0	2.0	2.7	0.5	0.3	5.1	4.2
Rice	1.0	0.1	-	-	-	-	-	-	0.6	0.3
Other small grains (barley, oats, rye, etc.)	2.9	1.8	1.3	1.2	16.4	6.3	0.5	0.2	1.1	0.6
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	8.9	2.5	2.8	1.1	14.6	9.4	1.1	0.3	0.6	0.5
All other hay (dry hay, greenchop, and silage)	9.8	2.1	2.8	1.7	10.5	5.6	4.2	2.3	0.6	0.5
Peanuts	0.1	(D)	0.7	0.6	1.4	0.9	2.7	1.0	0.4	0.1
Cotton, all	0.1	(Z)	1.2	1.0	0.2	0.1	0.6	0.2	7.3	5.8
Land in vegetables	20.2	3.9	3.9	6.1	1.0	2.7	3.7	3.2	45.9	27.7
Selected vegetables:										
Sweet corn	18.9	2.7	5.2	0.3	3.1	0.5	11.2	11.5	32.6	9.5
Tomatoes in the open	17.9	5.0	4.9	1.9	0.2	(D)	1.0	0.3	63.3	72.2
Lettuce and romaine	24.3	17.9	8.9	3.9	0.5	(D)	2.0	2.7	52.4	43.9
Potatoes, excluding sweet potatoes	25.5	1.1	6.1	5.4	2.0	4.5	3.1	1.8	34.2	1.0
All berries	18.8	1.9	16.2	40.2	0.1	(Z)	2.2	2.2	49.3	47.3
Land in orchards, vineyards, and nut trees	7.6	0.9	11.7	10.4	(Z)	0.1	0.4	0.1	58.7	72.2
All other crops (see text)	17.5	2.4	11.6	4.5	2.1	5.3	3.3	3.7	30.9	14.3
Pastureland, all types	16.2	2.9	5.3	1.2	5.7	4.2	3.1	1.4	1.2	0.5

See footnote(s) at end of table.

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Table 38. Selected Crops Irrigated and Harvested in the Open by Primary Method of Water Distribution – United States: 2013 (continued)

[Excludes area under protection and institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Crop	Pressure irrigation distribution systems ¹ - con.									
	Center pivot and linear move tower systems								Other pressure systems	
	Less than 15 psi		15 to 29 psi		30 to 59 psi		60 psi or more			
	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²
Corn for grain or seed	4.6	4.1	24.4	28.0	38.5	44.6	5.5	3.6	1.5	1.2
Corn for silage or greenchop	4.0	6.7	16.1	19.5	20.6	28.3	7.7	10.4	1.8	2.2
Sorghum for grain or seed	16.3	20.6	47.8	48.0	10.6	11.3	0.4	0.8	2.2	1.6
Wheat for grain or seed	7.4	7.9	29.7	34.2	22.4	25.8	3.3	4.7	1.4	1.3
Soybeans for beans	2.5	1.3	18.9	13.7	37.4	29.8	5.7	3.0	2.5	4.9
Beans, dry edible	2.9	5.2	11.8	19.5	20.5	35.8	2.0	3.2	0.8	0.7
Rice	0.1	(Z)	-	-	0.2	0.1	0.3	0.2	0.5	0.3
Other small grains (barley, oats, rye, etc.)	3.6	2.7	13.9	25.0	18.8	31.3	2.8	3.0	1.8	1.3
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	2.8	3.8	9.7	17.3	13.4	23.8	2.7	3.9	1.3	1.7
All other hay (dry hay, greenchop, and silage)	3.0	3.7	7.8	14.1	9.4	10.5	1.6	1.9	2.0	1.9
Peanuts	7.5	7.0	38.1	38.1	39.9	42.2	6.5	7.0	0.2	(D)
Cotton, all	12.7	12.9	26.9	29.7	22.1	20.0	3.6	2.0	2.0	2.0
Land in vegetables	2.2	1.6	3.5	12.1	6.4	24.1	1.9	6.6	3.1	0.7
Selected vegetables:										
Sweet corn	0.8	0.9	4.2	23.1	7.6	32.1	2.6	9.7	1.8	0.2
Tomatoes in the open	0.5	(Z)	0.3	0.3	2.0	0.7	0.5	(D)	3.3	1.1
Lettuce and romaine	0.4	(Z)	0.9	1.9	1.2	(D)	0.8	2.5	1.3	0.1
Potatoes, excluding sweet potatoes	0.7	1.1	6.0	21.0	12.0	50.2	3.4	10.9	1.7	(Z)
All berries	1.6	0.6	1.5	0.2	2.0	2.2	0.5	1.3	2.1	1.4
Land in orchards, vineyards, and nut trees	0.1	0.1	1.3	0.2	1.6	0.8	0.2	0.1	1.4	1.0
All other crops (see text)	1.9	2.2	5.4	14.5	7.8	18.1	1.6	2.2	7.8	2.7
Pastureland, all types	1.3	1.8	3.6	4.7	4.6	6.0	2.2	2.5	1.6	3.3
	Gravity irrigation distribution systems ¹									
	Down rows or furrows from unlined open ditches		Down rows or furrows from lined open ditches		Down rows or furrows from poly pipe, lay-flat tubing, or above or underground pipe		Controlled flooding within field borders from unlined open ditches			
Crop	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²
Corn for grain or seed	3.7	1.9	1.7	0.9	13.2	12.8	0.5	0.3	0.5	0.3
Corn for silage or greenchop	8.3	9.3	8.8	3.8	15.4	8.6	1.7	1.2	1.7	1.2
Sorghum for grain or seed	1.4	2.7	0.7	1.1	9.0	10.1	0.4	0.3	0.4	0.3
Wheat for grain or seed	4.2	4.8	4.1	2.3	5.1	2.4	4.8	3.7	4.8	3.7
Soybeans for beans	1.0	1.9	0.3	0.7	23.0	35.6	2.6	1.4	2.6	1.4
Beans, dry edible	6.8	7.1	9.9	9.6	24.5	8.5	0.2	0.2	0.2	0.2
Rice	1.8	0.9	0.2	0.3	3.3	3.1	42.6	41.0	42.6	41.0
Other small grains (barley, oats, rye, etc.)	8.0	5.8	3.4	3.3	5.0	3.6	11.7	7.7	11.7	7.7
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	6.8	5.5	3.5	3.5	8.4	4.1	12.4	11.2	12.4	11.2
All other hay (dry hay, greenchop, and silage)	8.1	5.3	1.4	1.8	6.3	3.6	16.1	24.3	16.1	24.3
Peanuts	0.1	(D)	-	-	1.5	1.8	-	-	-	-
Cotton, all	3.2	3.1	7.1	4.6	10.8	13.8	0.7	1.2	0.7	1.2
Land in vegetables	3.2	4.1	0.7	3.5	1.8	1.1	0.7	0.8	0.7	0.8
Selected vegetables:										
Sweet corn	5.0	1.8	1.3	2.6	2.2	(D)	0.2	1.0	2.2	1.0
Tomatoes in the open	2.9	12.3	0.1	(Z)	1.7	2.8	0.2	2.3	1.7	2.3
Lettuce and romaine	4.2	0.7	0.7	10.8	1.6	(D)	0.1	(D)	1.6	(D)
Potatoes, excluding sweet potatoes	3.4	1.5	0.3	0.3	1.2	0.7	(Z)	(D)	3.4	(D)
All berries	2.0	0.3	-	-	1.3	0.4	0.2	1.2	2.0	1.2
Land in orchards, vineyards, and nut trees	2.4	1.0	0.7	0.6	4.5	2.8	1.6	1.8	4.5	1.8
All other crops (see text)	2.6	4.4	1.5	3.7	2.8	3.1	0.7	16.2	2.6	16.2
Pastureland, all types	10.5	9.2	2.1	1.3	6.0	2.4	11.3	19.0	10.5	19.0

See footnote(s) at end of table.

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Table 38. Selected Crops Irrigated and Harvested in the Open by Primary Method of Water Distribution – United States: 2013 (continued)

[Excludes area under protection and institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Crop	Gravity irrigation distribution systems ¹ - con.									
	Controlled flooding within field borders from lined open ditches		Controlled flooding within field borders from poly pipe, lay-flat tubing, or above ground pipe		Controlled flooding within field borders from below ground pipe		Uncontrolled flooding of rangeland, pastureland, etc. including open discharge from well or pump		Other gravity systems	
	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²	Percent of farms	Percent of acres ²
Corn for grain or seed	0.1	0.1	0.4	0.7	0.3	0.1	(Z)	(Z)	0.1	0.2
Corn for silage or greenchop	1.9	0.8	0.1	0.6	8.1	5.9	(Z)	(D)	0.1	(D)
Sorghum for grain or seed	4.5	0.6	0.4	0.3	0.2	(Z)	-	-	0.2	0.2
Wheat for grain or seed	2.2	1.8	0.6	0.1	1.2	1.1	1.0	0.2	0.2	0.7
Soybeans for beans	0.1	0.3	1.4	4.0	0.7	1.5	(Z)	0.1	0.1	(Z)
Beans, dry edible	0.2	0.4	-	-	0.2	0.3	-	-	0.4	(Z)
Rice	4.3	5.2	12.2	13.2	28.7	31.1	2.3	2.9	2.0	1.4
Other small grains (barley, oats, rye, etc.)	5.3	3.3	0.4	0.2	0.7	1.5	1.7	0.7	0.6	0.4
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	3.1	4.6	1.6	1.2	1.8	2.6	3.1	1.6	1.7	1.4
All other hay (dry hay, greenchop, and silage)	1.9	2.6	2.4	1.6	4.8	3.6	6.5	11.6	0.7	1.3
Peanuts	-	-	0.4	(D)	-	-	-	-	0.4	(Z)
Cotton, all	0.5	0.8	0.5	(D)	0.4	0.2	-	-	(Z)	(D)
Land in vegetables	0.1	0.7	0.3	0.2	0.2	0.2	-	-	1.1	0.8
Selected vegetables:										
Sweet corn	-	-	-	-	0.8	1.6	-	-	2.6	(D)
Tomatoes in the open	-	-	0.6	(Z)	-	-	-	-	0.7	0.1
Lettuce and romaine	0.1	3.6	0.1	0.8	-	-	-	-	0.7	0.4
Potatoes, excluding sweet potatoes	(Z)	(D)	(Z)	(D)	0.1	(Z)	-	-	0.1	0.1
All berries	-	-	0.5	0.1	(Z)	0.3	1.0	(Z)	0.6	0.5
Land in orchards, vineyards, and nut trees	1.0	2.1	0.7	0.3	5.5	5.3	0.5	(Z)	0.1	0.2
All other crops (see text)	0.3	0.3	0.4	0.7	0.2	0.5	0.3	1.0	0.9	0.4
Pastureland, all types	2.3	1.9	1.4	1.1	3.4	3.3	16.3	31.6	1.8	1.9

¹ Percentages are calculated across all methods by irrigated crop and primary method. Data not comparable to previous FRIS published data.

² The sum of percent acres irrigated across systems for a crop may not add to 100 percent.