

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2008

[Excludes institutional, research, and experimental farms and farms with horticulture. For meaning of abbreviations and symbols, see introductory text]

Crop	All methods		Pressure systems		Gravity systems					
	Farms	Acres	Farms	Acres	Farms	Acres				
Corn for grain or seed	33,571	11,991,515	26,592	9,786,501	6,979	2,205,014				
Corn for silage or greenchop	9,135	1,633,540	4,690	891,129	4,445	742,411				
Sorghum for grain or seed	4,118	1,042,392	2,860	798,388	1,258	244,004				
Wheat for grain or seed	16,265	4,107,464	11,781	3,201,888	4,484	905,576				
Barley for grain or seed	4,334	762,240	2,414	546,847	1,920	215,393				
Soybeans for beans	23,024	7,044,546	16,906	4,158,193	6,118	2,886,353				
Beans, dry edible	2,849	431,329	1,366	266,162	1,483	165,167				
Rice	5,265	2,683,363	75	48,154	5,190	2,635,209				
Other small grains (oats, rye, etc.)	2,975	344,195	1,521	201,540	1,454	142,655				
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	48,315	6,187,983	24,879	3,596,494	23,436	2,591,489				
All other hay (dry hay, greenchop, and silage)	29,553	3,351,986	13,767	1,110,400	15,786	2,241,586				
Peanuts	2,535	540,577	2,482	(D)	53	(D)				
All cotton	6,612	3,123,664	4,532	1,953,746	2,080	1,169,918				
Sugarbeets for sugar	1,590	382,267	696	223,856	894	158,411				
Tobacco	811	23,614	794	23,175	17	439				
Land in vegetables	16,899	3,084,879	13,820	2,637,318	3,079	447,561				
Selected vegetables:										
Sweet corn	4,341	294,855	3,329	244,937	1,012	49,918				
Tomatoes in the open	5,937	305,565	4,887	195,472	1,050	110,093				
Lettuce and romaine	2,203	255,880	1,820	180,704	383	75,176				
Potatoes, excluding sweet potatoes	3,727	974,606	3,241	943,097	486	31,509				
All berries	9,021	222,857	8,519	212,636	502	10,221				
Land in orchards, vineyards, and nut trees	57,184	3,733,339	47,140	3,153,494	10,044	579,845				
All other crops (see text)	6,761	1,487,387	4,964	886,595	1,797	600,792				
Pastureland, all types	49,582	3,611,216	25,912	1,166,593	23,670	2,444,623				
	Pressure irrigation distribution systems ¹									
Crop	Hand move		Solid or permanent set		Side roll or wheel line		Big gun		Low-flow irrigation (drip, trickle, or micro sprinklers)	
	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	0.4	(Z)	0.3	(Z)	0.7	0.2	2.0	0.4	0.5	0.1
Corn for silage or greenchop	0.6	0.8	0.4	0.5	1.8	1.1	7.0	1.8	0.3	0.2
Sorghum for grain or seed	0.1	0.1	0.1	0.4	0.3	0.1	0.2	(Z)	0.7	0.4
Wheat for grain or seed	3.4	1.4	0.4	0.6	8.6	3.8	0.8	0.1	0.4	0.4
Barley for grain or seed	5.5	1.6	0.3	0.3	22.8	11.4	0.2	(Z)	0.4	0.6
Soybeans for beans	0.1	(Z)	(Z)	(Z)	0.6	0.3	1.7	0.4	0.1	0.1
Beans, dry edible	5.3	2.5	3.9	0.2	3.5	2.9	0.6	0.3	4.2	1.3
Rice	-	-	(Z)	(D)	0.1	0.2	-	-	0.1	0.1
Other small grains (oats, rye, etc.)	0.8	1.9	1.5	1.1	16.7	7.2	5.3	2.3	0.5	0.9
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	6.2	2.6	1.0	0.5	17.4	8.9	2.5	0.9	0.5	0.5
All other hay (dry hay, greenchop, and silage)	11.7	1.6	2.0	1.0	10.6	5.4	5.6	2.5	1.1	0.2
Peanuts	-	-	1.9	0.1	-	-	4.6	1.2	0.2	0.2
All cotton	0.5	0.2	0.2	0.3	1.5	0.5	1.1	0.2	2.9	2.6
Sugarbeets for sugar	-	-	0.3	0.4	7.7	6.8	0.5	0.1	0.9	0.5
Tobacco	33.8	24.7	1.4	(D)	7.9	8.6	43.6	45.1	2.2	0.6
Land in vegetables	18.7	6.2	5.3	4.1	2.0	1.7	5.1	2.8	31.8	17.5
Selected vegetables:										
Sweet corn	20.2	2.1	7.0	0.7	1.5	1.0	10.5	5.3	17.3	6.1
Tomatoes in the open	22.4	5.8	3.0	0.3	0.5	1.4	1.6	0.9	50.8	47.4
Lettuce and romaine	13.8	14.2	5.9	4.9	0.1	(Z)	1.1	1.6	54.4	35.2
Potatoes, excluding sweet potatoes	19.3	0.7	6.5	5.8	4.9	3.5	5.9	1.3	14.2	0.4
All berries	21.5	2.7	19.0	33.2	0.2	0.4	1.7	4.0	44.4	44.3
Land in orchards, vineyards, and nut trees	9.0	0.7	19.6	14.2	0.2	(Z)	0.2	0.4	50.1	62.3
All other crops (see text)	13.5	3.0	9.2	1.7	2.7	2.2	2.9	2.6	19.7	11.5
Pastureland, all types	24.9	4.0	7.5	0.7	7.3	4.6	2.6	1.8	2.2	0.7

See footnote(s) at end of table.

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Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2008 - Con.

[Excludes institutional, research, and experimental farms and farms with horticulture. For meaning of abbreviations and symbols, see introductory text]

Crop	Pressure irrigation distribution systems ¹ - con.									
	Center pivot and linear move 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	2.8	3.3	30.9	32.9	34.8	32.6	6.5	3.6	0.4	0.2
Corn for silage or greenchop	4.4	5.5	14.9	18.2	16.2	16.9	5.3	4.1	0.5	0.9
Sorghum for grain or seed	11.6	10.5	39.5	45.0	13.3	15.1	3.6	1.5	-	-
Wheat for grain or seed	5.8	6.8	29.3	33.4	20.3	22.0	2.5	2.7	1.0	0.7
Barley for grain or seed	1.3	2.6	9.1	15.7	14.2	26.4	1.4	1.6	0.6	0.1
Soybeans for beans	1.0	1.1	28.4	19.9	33.9	26.3	7.4	3.3	0.4	0.5
Beans, dry edible	1.1	1.4	16.4	25.3	11.8	19.2	1.1	1.3	-	-
Rice	-	-	0.3	0.3	0.1	0.3	-	-	0.8	0.8
Other small grains (oats, rye, etc.)	1.6	3.1	10.5	12.1	9.5	13.7	2.8	4.1	1.8	5.9
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	0.8	1.9	10.3	15.5	10.3	16.8	2.1	2.8	0.4	0.3
All other hay (dry hay, greenchop, and silage)	1.3	1.9	6.1	7.4	5.6	7.3	2.2	1.4	0.4	0.7
Peanuts	11.9	10.7	37.5	45.0	33.4	32.9	6.4	3.9	2.1	0.3
All cotton	11.1	10.3	31.8	26.0	16.0	12.8	2.8	1.1	0.6	0.4
Sugarbeets for sugar	0.9	2.4	14.7	19.7	17.1	17.7	1.3	4.2	0.4	0.3
Tobacco	0.1	(D)	0.7	3.3	1.2	2.0	5.8	5.4	1.1	0.8
Land in vegetables	1.1	2.1	5.2	12.6	9.3	23.5	2.7	4.4	0.6	0.4
Selected vegetables: Sweet corn	1.0	4.9	5.1	15.4	10.1	34.8	3.8	7.4	0.3	0.3
Tomatoes in the open	0.8	(Z)	0.4	0.6	1.8	1.5	0.7	0.1	0.3	(D)
Lettuce and romaine	1.3	(Z)	3.3	1.5	1.5	3.8	-	-	1.1	(Z)
Potatoes, excluding sweet potatoes	1.5	3.9	9.2	20.0	20.7	46.6	4.5	6.7	0.3	(Z)
All berries	0.2	0.1	0.5	0.1	5.7	2.7	0.5	0.4	0.8	1.7
Land in orchards, vineyards, and nut trees	0.1	(Z)	0.6	0.1	1.6	0.2	(Z)	(Z)	0.9	1.1
All other crops (see text)	2.9	3.2	11.9	13.2	8.1	13.9	1.0	1.3	1.4	1.8
Pastureland, all types	0.5	0.9	2.8	7.1	3.3	6.1	0.4	0.8	0.6	0.5

Crop	Gravity irrigation distribution systems ¹									
	Siphon tube				Portal or ditch-gate				Poly-pipe or lay flat tubing system	
	Unlined ditches		Lined ditches		Unlined ditches		Lined ditches			
	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	2.4	1.2	1.8	0.5	1.0	0.6	0.4	0.2	6.9	6.9
Corn for silage or greenchop	13.3	11.0	4.5	2.5	5.4	4.7	1.7	1.4	5.2	3.5
Sorghum for grain or seed	1.7	1.7	2.5	1.9	3.0	2.5	1.3	2.1	8.8	9.6
Wheat for grain or seed	7.0	5.2	4.0	2.6	5.2	3.2	2.1	4.3	1.8	1.4
Barley for grain or seed	10.4	6.2	5.1	3.3	12.9	7.7	1.8	1.1	0.5	0.3
Soybeans for beans	0.3	0.3	0.2	0.1	1.3	2.3	0.6	1.1	15.6	28.3
Beans, dry edible	10.7	8.6	12.1	5.2	3.2	3.4	1.0	1.4	11.4	3.1
Rice	2.8	3.2	0.5	0.2	39.7	37.8	9.9	11.4	15.9	12.6
Other small grains (oats, rye, etc.)	9.5	9.4	4.7	6.3	17.9	8.4	1.0	2.4	5.6	3.1
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	8.0	6.6	4.1	2.6	17.1	11.8	5.3	6.9	2.1	1.0
All other hay (dry hay, greenchop, and silage)	7.0	7.7	1.5	1.7	28.0	40.3	3.4	4.1	1.4	0.4
Peanuts	-	-	-	-	-	-	-	-	(Z)	(D)
All cotton	4.5	7.0	2.5	3.1	1.6	1.1	4.1	2.6	14.5	17.6
Sugarbeets for sugar	20.3	9.8	14.8	7.4	7.5	4.5	5.0	5.5	2.1	1.7
Tobacco	-	-	-	-	-	-	-	-	0.9	1.3
Land in vegetables	2.0	2.9	1.5	1.6	2.6	1.7	0.9	2.8	7.6	1.2
Selected vegetables: Sweet corn	0.5	1.9	2.8	3.7	3.6	1.1	0.3	0.3	6.9	0.9
Tomatoes in the open	3.0	19.3	0.3	2.4	1.1	4.0	0.1	0.1	8.0	1.3
Lettuce and romaine	0.1	(D)	0.5	2.1	0.8	0.5	1.9	21.8	13.8	(Z)
Potatoes, excluding sweet potatoes	0.3	0.2	0.5	0.2	1.7	1.3	(Z)	(D)	8.4	0.2
All berries	0.1	0.2	0.1	0.4	0.2	0.2	-	-	4.6	3.4
Land in orchards, vineyards, and nut trees	0.9	1.6	0.8	0.9	2.3	1.7	2.1	1.7	1.0	0.9
All other crops (see text)	3.6	3.4	2.6	2.4	3.8	24.2	2.1	2.5	8.5	1.7
Pastureland, all types	7.7	7.4	1.8	1.1	23.2	43.8	3.4	2.3	1.9	0.8

See footnote(s) at end of table.

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Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2008 - Con.

[Excludes institutional, research, and experimental farms and farms with horticulture. For meaning of abbreviations and symbols, see introductory text]

Crop	Gravity irrigation distribution systems ¹ - con.									
	Gated-pipe (not poly-pipe)		Improved gated-pipe (surge-flow or cablegation)		Subirrigation		Open discharge (from a 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	7.4	5.4	0.5	0.4	0.2	0.2	(Z)	(Z)	0.1	0.1
Corn for silage or greenchop	10.7	7.3	0.4	0.2	0.1	0.1	3.1	7.5	4.3	4.8
Sorghum for grain or seed	11.1	3.7	1.2	0.3	-	-	0.9	0.2	-	-
Wheat for grain or seed	4.6	2.1	0.8	0.1	(Z)	0.1	1.8	0.7	0.2	0.3
Barley for grain or seed	10.0	4.5	2.3	0.4	-	-	-	-	1.3	0.8
Soybeans for beans	7.5	2.8	0.3	0.1	(Z)	(D)	0.8	1.3	0.1	0.1
Beans, dry edible	13.3	8.0	0.1	0.1	-	-	0.1	(D)	0.1	0.4
Rice	0.8	0.9	0.8	0.6	0.1	(Z)	27.8	27.0	0.2	0.6
Other small grains (oats, rye, etc.)	8.7	9.9	0.5	0.1	-	-	0.7	1.4	0.1	0.1
Alfalfa and alfalfa mixtures (dry hay, greenchop, and silage)	8.3	5.9	1.1	0.4	0.5	(Z)	1.4	2.0	0.6	1.0
All other hay (dry hay, greenchop, and silage)	7.5	3.8	0.7	0.3	0.1	0.4	1.6	2.9	2.3	2.8
Peanuts	-	-	-	-	2.1	(Z)	-	-	-	-
All cotton	3.5	1.8	0.4	0.5	-	-	0.1	0.1	-	-
Sugarbeets for sugar	4.7	2.6	0.3	0.4	0.1	(D)	-	-	1.4	1.2
Tobacco	0.2	(D)	1.0	(D)	-	-	-	-	-	-
Land in vegetables	2.7	1.5	0.1	(Z)	0.4	0.8	(Z)	(Z)	0.3	0.6
Selected vegetables:										
Sweet corn	7.5	2.0	0.1	(Z)	1.4	4.1	0.1	(Z)	0.2	1.6
Tomatoes in the open	5.1	6.6	-	-	(Z)	(D)	-	-	0.1	(Z)
Lettuce and romaine	0.2	0.8	-	-	-	-	-	-	0.2	(Z)
Potatoes, excluding sweet potatoes	0.1	(D)	-	-	1.6	0.4	-	-	0.3	0.7
All berries	0.3	(Z)	-	-	-	-	0.1	0.2	0.2	0.1
Land in orchards, vineyards, and nut trees	2.0	1.8	0.2	0.7	0.1	0.3	4.3	2.8	3.9	2.0
All other crops (see text)	2.0	1.1	3.0	0.1	0.2	1.4	0.3	0.5	0.5	0.8
Pastureland, all types	6.5	2.9	0.5	0.3	0.6	0.3	1.4	3.6	0.8	1.1

¹ Percentages are calculated across all methods by irrigated crop.

² The sum of percent acres irrigated across systems for a crop may not add to 100 percent due to the use of unknown secondary irrigation systems by crop.