

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2003

[Excludes abnormal and horticultural specialty farms. 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	32,267	9,749,748	23,333	7,620,641	8,934	2,129,107
Corn for silage or greenchop	10,118	1,312,660	4,634	603,519	5,484	709,141
Sorghum for grain or seed	6,134	1,108,375	3,264	764,359	2,870	344,016
Wheat for grain or seed	13,531	3,268,658	8,542	2,394,589	4,989	874,069
Barley for grain or seed	4,654	991,277	2,595	707,641	2,059	283,636
Soybeans for beans	21,072	5,347,078	13,904	2,839,105	7,168	2,507,973
Beans, dry edible	2,697	458,265	1,459	284,986	1,238	173,279
Rice	6,836	2,994,757	111	47,838	6,725	2,946,919
Other small grains (oats, rye, etc.)	2,829	240,304	1,636	138,153	1,193	102,151
Alfalfa and alfalfa mixtures	46,290	6,221,542	23,530	3,564,294	22,760	2,657,248
All other hay including dry hay, haylage, grass silage, and greenchop	27,667	3,253,729	12,191	1,117,646	15,476	2,136,083
Peanuts for nuts	2,117	384,867	2,048	361,840	69	23,027
All Cotton	8,621	4,080,054	4,597	2,067,241	4,024	2,012,813
Sugarbeets for sugar	2,499	561,837	1,592	365,676	907	196,161
Tobacco	1,533	35,304	1,533	35,304	-	-
Potatoes	3,423	1,032,604	3,180	948,946	243	83,658
Land in vegetables	17,807	2,081,358	14,297	1,385,041	3,510	696,317
Sweet corn	4,753	285,291	3,514	237,728	1,239	47,562
Tomatoes	7,322	427,812	6,060	199,783	1,262	228,028
Lettuce and romaine	2,659	276,705	2,507	184,344	152	92,361
Berries	8,947	229,542	8,744	222,534	203	7,008
Land in orchards	59,559	4,104,946	45,764	3,273,837	13,795	831,109
All other crops	13,181	1,444,893	10,519	699,288	2,662	745,605
Pastureland, all types	50,372	3,634,133	18,666	835,686	31,706	2,798,447

See footnote(s) at end of table.

--continued

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2003 - Con.

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Crop	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)	
	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	0.3	0.1	0.1	(Z)	0.1	(Z)	3.3	0.8	2.0	0.3
Corn for silage or greenchop	5.6	1.6	0.5	0.1	1.2	0.5	4.5	3.3	0.1	0.1
Sorghum for grain or seed	(Z)	(Z)	0.1	(Z)	0.4	0.4	0.3	0.1	0.8	1.2
Wheat for grain or seed	3.5	2.0	0.2	0.1	7.4	4.9	0.7	0.1	0.5	0.1
Barley for grain or seed	13.8	4.5	-	-	9.2	7.8	0.4	(Z)	0.1	0.2
Soybeans for beans	0.3	(Z)	0.2	(Z)	0.2	0.1	2.0	0.6	(Z)	(Z)
Beans, dry edible	1.4	1.8	2.4	0.9	5.9	4.0	0.9	0.5	1.4	(Z)
Rice	-	-	0.2	0.2	-	-	-	-	-	-
Other small grains (oats, rye, etc.)	15.5	7.4	0.5	0.3	11.1	6.3	1.7	1.5	-	-
Alfalfa and alfalfa mixtures	10.4	4.1	0.6	0.2	15.1	10.7	1.8	0.7	0.1	0.1
All other hay including dry hay, haylage, grass silage, and greenchop	11.3	3.3	1.7	0.4	9.4	5.1	4.8	2.5	0.1	0.1
Peanuts for nuts	-	-	0.2	0.1	9.9	2.3	11.0	1.7	-	-
All Cotton	2.1	1.7	0.1	0.1	1.7	0.8	0.8	0.1	1.7	1.0
Sugarbeets for sugar	26.8	14.2	1.2	0.8	12.2	9.8	-	-	-	-
Tobacco	41.4	20.7	1.8	2.5	0.7	0.9	35.2	37.4	0.7	0.6
Potatoes	13.4	1.3	11.0	5.2	4.2	3.7	7.2	1.9	9.6	0.1
Land in vegetables	25.8	14.3	3.0	2.5	0.9	1.2	7.1	3.6	30.6	12.4
Sweet corn	20.7	2.4	5.1	0.4	0.4	0.4	11.5	7.6	20.6	4.3
Tomatoes	19.5	11.7	4.1	0.3	0.1	1.5	2.7	0.3	53.0	26.3
Lettuce and romaine	53.1	50.3	7.3	1.1	0.2	1.2	0.9	0.3	28.1	6.0
Berries	14.2	6.4	26.3	32.2	0.2	0.1	3.2	4.7	49.4	43.9
Land in orchards	4.9	1.1	14.6	17.4	0.1	0.1	0.1	0.1	52.6	51.8
All other crops	30.0	4.4	5.1	1.3	3.2	3.9	2.9	1.1	23.8	5.9
Pastureland, all types	15.9	3.9	6.6	0.7	4.5	2.3	2.5	1.6	0.2	(Z)

See footnote(s) at end of table.

--continued

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2003 - Con.

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Crop	Pressure irrigation distribution systems ¹ - con.									
	Center pivot and linear move								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	3.8	3.4	19.1	24.3	32.1	34.9	11.4	6.4	0.1	(Z)
Corn for silage or greenchop	2.0	2.2	11.5	15.8	13.7	15.0	6.5	5.0	0.1	0.1
Sorghum for grain or seed	8.5	10.6	28.8	37.3	12.8	12.5	1.5	0.9	(Z)	(Z)
Wheat for grain or seed	6.7	8.1	26.1	33.1	14.8	17.3	3.2	2.6	0.1	0.1
Barley for grain or seed	0.2	0.3	12.6	18.7	16.3	22.2	3.2	2.8	-	-
Soybeans for beans	0.9	0.8	14.9	11.8	34.6	26.6	12.7	6.1	0.1	0.1
Beans, dry edible	0.8	1.5	17.3	22.6	21.2	25.3	2.8	1.9	-	-
Rice	0.1	(Z)	0.4	0.7	-	-	0.3	0.2	0.7	0.4
Other small grains (oats, rye, etc.)	3.9	3.9	9.5	15.5	14.0	18.6	1.4	1.5	0.1	0.3
Alfalfa and alfalfa mixtures	1.7	2.1	8.2	13.5	10.3	16.5	2.8	2.7	(Z)	0.1
All other hay including dry hay, haylage, grass silage, and greenchop	1.4	1.4	5.6	8.9	7.3	8.3	2.3	2.0	0.1	0.1
Peanuts for nuts	8.5	12.3	29.5	37.2	29.4	29.7	8.4	7.6	-	-
All Cotton	6.8	7.2	22.8	17.2	14.3	13.2	2.9	2.3	0.2	0.6
Sugarbeets for sugar	0.6	0.3	7.0	10.1	12.8	18.5	3.0	3.8	-	-
Tobacco	0.6	1.7	2.4	2.0	11.5	21.7	5.1	8.9	0.7	0.9
Potatoes	0.2	2.2	13.7	21.7	24.7	37.1	8.3	8.8	0.7	0.5
Land in vegetables	2.5	1.9	2.7	4.3	4.6	12.2	2.5	5.6	0.7	0.2
Sweet corn	0.5	3.1	3.5	12.9	7.7	34.3	3.9	13.3	-	-
Tomatoes	0.1	(Z)	1.0	0.4	1.1	1.0	0.9	1.5	0.2	(Z)
Lettuce and romaine	0.2	0.1	2.1	0.1	0.7	1.9	1.3	(Z)	0.5	(Z)
Berries	0.3	(Z)	0.4	0.1	1.9	1.2	1.7	1.2	0.2	(Z)
Land in orchards	0.6	0.2	1.4	0.6	0.5	0.3	0.2	0.2	1.8	0.4
All other crops	2.2	1.9	4.5	11.0	6.9	12.4	1.0	1.9	0.1	(Z)
Pastureland, all types	0.8	1.4	2.6	5.2	2.5	4.6	0.7	0.4	0.9	0.3

See footnote(s) at end of table.

--continued

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2003 - Con.

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Crop	Gravity irrigation distribution systems ¹									
	Siphon tube				Portal or ditch-gate				Poly-pipe or lay flat tubing	
	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	3.0	2.2	1.7	0.5	0.5	0.6	0.4	0.1	4.7	4.8
Corn for silage or greenchop	7.4	12.4	5.9	5.3	4.8	2.9	3.8	3.0	2.8	2.7
Sorghum for grain or seed	2.3	3.3	1.0	0.8	8.1	1.5	0.5	0.2	9.8	10.3
Wheat for grain or seed	7.4	5.7	7.8	3.6	6.6	3.5	2.3	3.3	1.9	1.1
Barley for grain or seed	8.0	5.7	10.2	4.5	9.5	7.4	4.3	2.3	2.6	0.2
Soybeans for beans	0.2	0.1	-	-	0.6	0.9	0.1	0.3	13.4	23.9
Beans, dry edible	12.9	14.7	12.7	5.6	1.5	1.1	2.0	1.6	1.4	0.9
Rice	2.1	1.8	0.7	0.4	15.0	13.6	1.3	1.6	12.8	8.7
Other small grains (oats, rye, etc.)	3.4	4.0	3.4	1.7	11.9	8.4	1.9	1.2	2.8	4.1
Alfalfa and alfalfa mixtures	4.1	6.5	3.9	3.0	17.5	10.4	6.0	5.8	2.0	1.0
All other hay including dry hay, haylage, grass silage, and greenchop	1.8	1.8	1.0	1.0	26.4	27.6	4.3	4.3	2.0	1.3
Peanuts for nuts	2.4	4.5	0.2	0.2	-	-	-	-	0.2	0.3
All Cotton	8.1	6.9	3.5	3.6	1.6	2.0	2.7	2.1	17.9	18.7
Sugarbeets for sugar	12.8	10.3	7.5	4.0	3.8	4.0	1.6	3.4	1.2	1.2
Tobacco	-	-	-	-	-	-	-	-	-	-
Potatoes	1.6	2.0	1.7	0.8	0.8	2.4	0.3	0.1	1.2	0.1
Land in vegetables	5.7	13.7	2.6	3.8	1.1	1.4	0.7	3.2	3.3	0.9
Sweet corn	3.8	4.1	3.2	2.5	2.2	0.7	0.2	0.2	4.5	1.4
Tomatoes	5.7	31.8	0.3	0.8	0.2	1.2	0.3	0.8	1.4	0.6
Lettuce and romaine	0.4	0.8	0.5	3.5	0.2	2.8	0.8	11.8	0.6	(Z)
Berries	(Z)	1.0	-	-	0.2	0.6	-	-	0.6	(Z)
Land in orchards	1.0	0.7	1.1	0.4	3.4	1.3	1.2	1.1	1.6	0.5
All other crops	2.5	3.8	2.0	3.5	2.5	18.8	1.0	1.8	1.6	3.8
Pastureland, all types	1.5	1.4	1.0	0.7	24.8	28.0	3.2	2.2	4.1	1.5

See footnote(s) at end of table.

--continued

Table 30. Selected Crops Irrigated and Harvested by Primary Method of Water Distribution, United States: 2003 - Con.

[Excludes abnormal and horticultural specialty farms. 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)		Sub-irrigation		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	15.6	9.4	1.1	0.7	(Z)	(Z)	0.2	0.4	0.3	0.1
Corn for silage or greenchop	14.3	8.9	1.6	0.6	(Z)	(Z)	4.4	5.8	9.1	9.6
Sorghum for grain or seed	22.9	11.2	0.6	0.4	-	-	1.5	1.3	0.1	0.1
Wheat for grain or seed	7.6	5.0	0.2	0.1	(Z)	(Z)	1.4	2.1	1.8	1.1
Barley for grain or seed	5.8	2.8	0.3	0.2	-	-	0.9	1.1	2.8	1.6
Soybeans for beans	13.7	6.5	1.1	0.7	(Z)	(Z)	4.5	9.0	0.4	1.0
Beans, dry edible	10.9	7.8	3.4	0.9	-	-	0.8	1.1	0.4	0.7
Rice	1.5	1.3	0.2	0.6	-	-	55.1	58.3	9.8	9.9
Other small grains (oats, rye, etc.)	8.3	6.6	0.4	0.2	-	-	0.8	10.4	9.3	5.0
Alfalfa and alfalfa mixtures	8.7	4.7	(Z)	0.1	(Z)	(Z)	1.1	2.5	5.9	5.2
All other hay including dry hay, haylage, grass silage, and greenchop	7.1	3.7	0.2	0.1	(Z)	0.1	1.6	1.5	11.6	21.2
Peanuts for nuts	0.4	0.8	0.1	(Z)	-	-	-	-	-	-
All Cotton	9.4	6.6	0.3	0.3	-	-	1.9	4.3	1.2	1.1
Sugarbeets for sugar	8.1	6.1	0.8	0.4	0.2	0.1	0.3	0.4	0.2	0.5
Tobacco	-	-	-	-	-	-	-	-	-	-
Potatoes	0.1	0.2	-	-	0.5	1.3	0.5	0.7	0.3	0.5
Land in vegetables	1.9	4.9	-	-	0.2	0.8	2.8	0.7	1.5	1.2
Sweet corn	3.2	2.6	-	-	0.1	3.9	8.8	0.3	0.1	0.1
Tomatoes	2.9	9.5	-	-	(Z)	0.1	6.2	1.5	0.1	2.3
Lettuce and romaine	3.2	8.5	-	-	-	-	-	-	0.1	0.1
Berries	-	-	0.8	0.4	(Z)	0.2	0.6	0.3	(Z)	0.1
Land in orchards	2.9	4.7	0.1	0.5	0.3	0.5	3.6	3.5	7.9	6.0
All other crops	1.5	3.5	(Z)	(Z)	0.1	3.7	2.7	1.5	6.3	7.4
Pastureland, all types	6.6	4.2	(Z)	0.1	0.1	0.5	6.1	4.5	15.5	31.8

¹ Percentages are calculated across all methods.

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.