

1998 South Carolina Irrigation Survey

State Irrigation totals are on pages 15 and 16

(Counties in italics are 1997 data)

1998	County	Abbeville	Aiken	Allendale	Anderson	Bamberg	Barnwell
	Contact	CP Chihasz	Terry Mathis	Jim Thomas	Ernest Locke	Gilbert Miller	Joe Varn
Sprinkler	Side Roll/Wheel Line						25
	Traveler		475	500		1000	55
	Solid Set				22	400	0
	Hand Move		200	100	32	50	15
	Center Pivot/Linear		1250	10500	30	6000	3100
	%Impact			66%	100%	50%	85%
	%LEPA			34%		50%	10%
	%chemigating		25%	100%	0%	25%	5%
Total Sprinkler Acreage	0	1925	11100	84	7450	3195	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe			200		100	
	Seepage/Sub Irrig.					300	
	% using PAM						
Total Gravity Acreage	0	0	200	0	400	0	
Low Flow / Drip	Surface Microspray	0				5	
	Surface Drip	0	50	750	0	3000	1000
	SDI	0				5	10
	Buried Perf. pipe						
	Total Drip Acreage	0	50	750	0	3010	1010
Total Irrigated Acreage		0	1975	12050	84	10860	4205
Irrigation Power Unit Types	% Diesel		66%	70%	0%	25%	30%
	% Gasoline						
	% Electric		34%	30%	100%	75%	70%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
Pumps	% Stationary		50%	80%	25%	50%	
	% Portable		50%	20%	75%	50%	

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	<i>Contact</i>	CP Chihasz	Terry Mathis	Jim Thomas	Ernest Locke	Gilbert Miller	Joe Varn	
Irrigation by Crop	Alfalfa							
	Avocado							
	Barley				30			
	Beans							
	Citrus							
	Corn			0	6000	35	4000	400
	Cotton			650	3000	0	2000	1200
	Cranberries							
	Flower Seeds							
	Grapes			15				
	Hops							
	Melons				1000		2700	700
	Nursery			300	0	10	100	0
	Oats							
	Pasture				100	22	700	
	Hay Crops			20			500	
	Peanuts			30	700		200	250
	Pecans						10	
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits			10	0	0	5	
	Turfgrass Sod			400				400
	Sorghum							
	Soybeans			350	1000		700	
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes						75	
	Tobacco							
	Tree Fruits			200	50			
Vegetables				25	0	100		
Wheat				1000		1500	200	
Other								

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1998	County	Beaufort	Berkeley	Calhoun	Charleston	Cherokee	Chester
	Contact	York Glover	Frank Fitzsimons	Charles Davis	Roger Frances	David Parker	John Nance
Sprinkler	Side Roll/Wheel Line						
	Traveler			1000		800	150
	Solid Set			10			
	Hand Move						50
	Center Pivot/Linear	350		8500			
	%Impact			40%			
	%LEPA			60%			
	%chemigating			10%			
Total Sprinkler Acreage	350	0	9510	0	800	200	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	0	0	0	0	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip	1400		600	2800	300	10
	SDI			40	5		
	Buried Perf. pipe						
	Total Drip Acreage	1400		640	2805	300	10
Total Irrigated Acreage		1750	0	10150	2805	1100	210
Irrigation Power Unit Types	% Diesel	15%		30%		100%	75%
	% Gasoline						
	% Electric	85%		70%	100%		25%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible	85%					
	% Centrifugal	15%					
% Axial Flow							
Pumps	% Stationary	100%		60%		100%	50%
	% Portable			40%			50%

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1998	<i>County</i>	Beaufort	Berkeley	Calhoun	Charleston	Cherokee	Chester	
	<i>Contact</i>	York Glover	Frank Fitzsimons	Charles Davis	Roger Frances	David Parker	John Nance	
Irrigation by Crop	Alfalfa							
	Avocado							
	Barley							
	Beans							
	Citrus							
	Corn				1500		50	
	Cotton				7000		0	
	Cranberries							
	Flower Seeds							
	Grapes						0	
	Hops							
	Melons				300		3	
	Nursery				200			
	Oats							
	Pasture				0			
	Hay Crops							
	Peanuts							
	Pecans					50		
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					20	5	3
	Turfgrass Sod		350					
	Sorghum							25
	Soybeans				1000			
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes							
	Tobacco							
	Tree Fruits						1000	3
Vegetables		1400			2700		7	
Wheat				2000				
Other								

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1998	County	Chesterfield	Clarendon	Colleton	Darlington	Dillon	Dorchester
	Contact	Sam Bass	John Boswell	Marion Barnes	David Gunter	Vic Bethea	Birdie Crosby
Sprinkler	Side Roll/Wheel Line						
	Traveler	0	200	125	600	100	15
	Solid Set	300					
	Hand Move						30
	Center Pivot/Linear		400	50	1600	200	65
	%Impact		100%				
	%LEPA						
	%chemigating						
Total Sprinkler Acreage	300	600	175	2200	300	110	
Gravity/Flood	Flooding from Ditches		300				
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						15
	Seepage/Sub Irrig.		2000				
	% using PAM						
Total Gravity Acreage	0	2300	0	0	0	15	
Low Flow / Drip	Surface Microspray	300					
	Surface Drip	150	0	80			
	SDI		18	750	50	4	
	Buried Perf. pipe						
	Total Drip Acreage	450	18	830	50	4	0
Total Irrigated Acreage		750	2918	1005	2250	304	125
Irrigation Power Unit Types	% Diesel	30%	0%	50%	70%	50%	90%
	% Gasoline						
	% Electric	70%	100%	50%	30%	50%	10%
	% LP or Gas						
Irrigation Wells	Number					1	
	Ave. Depth					200	
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible					100%	
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	0%			10%	0%	100%
	% Portable	100%			90%	100%	0%

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1998	<i>County</i>	Chesterfield	Clarendon	Colleton	Darlington	Dillon	Dorchester
	Contact	Sam Bass	John Boswell	Marion Barnes	David Gunter	Vic Bethea	Birdie Crosby
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans		100				
	Citrus						
	Corn		1000	100	500	100	65
	Cotton		500		1000	100	60
	Cranberries						
	Flower Seeds						
	Grapes						
	Hops						
	Melons	100	5	750			
	Nursery		35	125			
	Oats						
	Pasture						
	Hay Crops						
	Peanuts						
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			3	5		
	Turfgrass Sod			1500			
	Sorghum						
	Soybeans			750		100	100
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco	0	1500	150	100	100	25
	Tree Fruits	600					0
Vegetables	50	300	300	0	4	25	
Wheat			750				
Other							

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1998	County	Edgefield	Fairfield	Florence	Georgetown	Greenville	Greenwood
	Contact	Greg Henderson	Mark Talbert	Jody Martin	<i>Carlin Munneryn</i>	Danny Howard	Kathryn White
Sprinkler	Side Roll/Wheel Line					35	
	Traveler	6000		1000	200		
	Solid Set	0	8	80	100		6
	Hand Move	0		250	50		15
	Center Pivot/Linear			250		30	
	%Impact			100%			
	%LEPA						
	%chemigating						
Total Sprinkler Acreage	6000	8	1580	350	65	21	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						
	Seepage/Sub Irrig.						
	% using PAM						
	Total Gravity Acreage	0	0	0	0	0	0
Low Flow / Drip	Surface Microspray						
	Surface Drip			50		39	
	SDI			225			
	Buried Perf. pipe						
	Total Drip Acreage	0	0	275	0	39	0
Total Irrigated Acreage		6000	8	1855	350	104	21
Irrigation Power Unit Types	% Diesel	100%		25%	40%	61%	
	% Gasoline					19%	
	% Electric		100%	75%	60%	20%	100%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
	% Axial Flow						
Pumps	% Stationary		100%	90%	20%	80%	
	% Portable	100%		10%	80%	20%	

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1998	<i>County</i>	Edgefield	Fairfield	Florence	<i>Georgetown</i>	Greenville	Greenwood
	<i>Contact</i>	Greg Henderson	Mark Talbert	Jody Martin	<i>Carlin Munnerlyn</i>	Danny Howard	Kathryn White
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans			300		30	
	Citrus						
	Corn	100		600		25	
	Cotton	400		300			
	Cranberries						
	Flower Seeds						
	Grapes			10			
	Hops						
	Melons			75		10	
	Nursery		8	100	100		5
	Oats						
	Pasture				50		
	Hay Crops						
	Peanuts						
	Pecans			20			
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			50		12	
	Turfgrass Sod			500	200		
	Sorghum						
	Soybeans			300			
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco			450			
	Tree Fruits	5500		50		10	
Vegetables			1000		30	15	
Wheat							
Other							

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1998	County	Hampton	<i>Horry</i>	Jasper	Kershaw	Lancaster	Laurens
	Contact	Hugh Gray	<i>Bruce Johnson</i>	Tommy Walker	Andy Rollins	Michael Payne	Angela Nichols
Sprinkler	Side Roll/Wheel Line						
	Traveler	276	100	100	400		300
	Solid Set		10	35			200
	Hand Move						25
	Center Pivot/Linear	2680		950	1000		
	%Impact	33%			100%		
	%LEPA	67%					
	%chemigating	80%			20%		
Total Sprinkler Acreage	2956	110	1085	1400	0	525	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	0	0	0	0	0	0	
Low Flow / Drip	Surface Microspray				2		
	Surface Drip		10		2		700
	SDI	150			2		
	Buried Perf. pipe						
	Total Drip Acreage	150	10	0	6	0	700
Total Irrigated Acreage		3106	120	1085	1406	0	1225
Irrigation Power Unit Types	% Diesel	25%	95%	60%	20%		20%
	% Gasoline						
	% Electric	75%	5%	40%	80%		80%
	% LP or Gas						
Irrigation Wells	Number		2				
	Ave. Depth		300				
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	100%	0%		90%		90%
	% Portable	0%	100%		10%		10%

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1998	County	Hampton	<i>Horry</i>	Jasper	Kershaw	Lancaster	Laurens
	Contact	Hugh Gray	<i>Bruce Johnson</i>	Tommy Walker	Andy Rollins	Michael Payne	Angela Nichols
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans			50			
	Citrus						
	Corn	1000		50		400	400
	Cotton	1800				300	
	Cranberries						
	Flower Seeds						
	Grapes					2	
	Hops						
	Melons	150		10		1	
	Nursery			25		2	30
	Oats						
	Pasture						
	Hay Crops			25			
	Peanuts					100	
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits					1	75
	Turfgrass Sod	300		50	1085		
	Sorghum						
	Soybeans			50		50	
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco			50			
	Tree Fruits					1	700
Vegetables					1		
Wheat			50				
Other							

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1998	County	Lee	Lexington	Marion	Marlboro	McCormick	Newberry
	Contact	Randy Cabbage	Powell Smith	Russell Duncan	Kent Williams	Wallace Wood	Bryan Smith
Sprinkler	Side Roll/Wheel Line						
	Traveler	200	1600	4418	200	5	175
	Solid Set			2696		400	4
	Hand Move		300				
	Center Pivot/Linear	1135	8800	300	800		140
	%Impact		93%		100%		100%
	%LEPA		7%				
	%chemigating		75%				
Total Sprinkler Acreage	1335	10700	7414	1000	405	319	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe				150		
	Seepage/Sub Irrig.			3059			
	% using PAM						
Total Gravity Acreage	0	0	3059	150	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip		35	24			4
	SDI				10		
	Buried Perf. pipe						
	Total Drip Acreage	0	35	24	10	0	4
Total Irrigated Acreage		1335	10735	10497	1160	405	323
Irrigation Power Unit Types	% Diesel	30%	25%				50%
	% Gasoline						
	% Electric	70%	75%	100%	100%	100%	50%
	% LP or Gas						
Irrigation Wells	Number				5		
	Ave. Depth				200		
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible				90%		
	% Centrifugal				10%		
% Axial Flow							
Pumps	% Stationary		70%		100%	100%	50%
	% Portable		30%		0%	0%	50%

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1998	County	Lee	<i>Lexington</i>	Marion	Marlboro	McCormick	Newberry
	Contact	Randy Cabbage	<i>Powell Smith</i>	Russell Duncan	Kent Williams	Wallace Wood	Bryan Smith
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans		25				
	Citrus						
	Corn		2000	1500	200		100
	Cotton	2000	2000	500	600		35
	Cranberries						
	Flower Seeds						
	Grapes						
	Hops						
	Melons						
	Nursery						
	Oats						
	Pasture			414			
	Hay Crops						25
	Peanuts						
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			30			4
	Turfgrass Sod					400	
	Sorghum						75
	Soybeans			1000	150	300	80
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco	200			2000	100	
	Tree Fruits			150			
Vegetables			1500	34	5	5	
Wheat			1000	50			
Other							

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1998	County	Oconee	Orangeburg	Pickens	Richland	Saluda	Spartanburg
	Contact	James Cummings	William Hair	Howard Hiller	John Oxner	Phil Perry	Jim Amick
Sprinkler	Side Roll/Wheel Line						
	Traveler		3500		10	3500	2000
	Solid Set			65		200	160
	Hand Move			20	10		
	Center Pivot/Linear		24230		500	400	
	%Impact						
	%LEPA						
	%chemigating						
Total Sprinkler Acreage	0	27730	85	520	4100	2160	
Gravity/Flood	Flooding from Ditches		1000				
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						
	Seepage/Sub Irrig.						
	% using PAM						
	Total Gravity Acreage	0	1000	0	0	0	0
Low Flow / Drip	Surface Microspray					250	
	Surface Drip	2	270	140	4	100	70
	SDI		40				150
	Buried Perf. pipe						
	Total Drip Acreage	2	310	140	4	350	220
Total Irrigated Acreage		2	29040	225	524	4450	2380
Irrigation Power Unit Types	% Diesel		3%	5%	50%	80%	85%
	% Gasoline						5%
	% Electric		97%	95%	50%	20%	8%
	% LP or Gas						2%
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary		99%		10%	20%	15%
	% Portable		1%		90%	80%	85%

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1998	<i>County</i>	Oconee	Orangeburg	Pickens	Richland	Saluda	Spartanburg	
	<i>Contact</i>	James Cummings	William Hair	Howard Hiller	John Oxner	Phil Perry	Jim Amick	
Irrigation by Crop	Alfalfa					50		
	Avocado							
	Barley							
	Beans							
	Citrus							
	Corn		10190			100	1000	50
	Cotton		12100			300	500	
	Cranberries							
	Flower Seeds							
	Grapes				5			
	Hops							
	Melons						200	50
	Nursery		300	120				200
	Oats							
	Pasture							
	Hay Crops						200	
	Peanuts		300				60	
	Pecans						300	
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits		30	27	5	10		60
	Turfgrass Sod							
	Sorghum							
	Soybeans		3000			100		
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes							
	Tobacco							
	Tree Fruits						2500	2000
Vegetables		120	50	5	200		20	
Wheat		3000			100			
Other								

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1998	County	Sumter	Union	Williamsburg	York		1998
	Contact	Greg Harvey	Raymond Sligh	John Boswell	Henry Nunnery		State Totals
Sprinkler	Side Roll/Wheel Line						60
	Traveler	1000	35	150	110		30299
	Solid Set		40		80		4816
	Hand Move				20		1167
	Center Pivot/Linear	4500					77760
	%Impact	100%					41%
	%LEPA						19%
	%chemigating	10%					29%
Total Sprinkler Acreage	5500	75	150	210		114102	
Gravity/Flood	Flooding from Ditches						1300
	Open Ditch w/siphons						0
	Gated Solid Pipe						0
	% w/ surge valves						0%
	Layflat pipe						465
	Seepage/Sub Irrig.						5359
	% using PAM						0%
Total Gravity Acreage	0	0	0	0		7124	
Low Flow / Drip	Surface Microspray						557
	Surface Drip	5	40		60		11695
	SDI	5					1464
	Buried Perf. pipe						0
	Total Drip Acreage	10	40	0	60		13716
Total Irrigated Acreage		5510	115	150	270		134942
Irrigation Power Unit Types	% Diesel	30%	50%		70%		31%
	% Gasoline				15%		0%
	% Electric	70%	50%		15%		69%
	% LP or Gas						0%
Irrigation Wells	Number						8
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	90%	50%	0%	5%		75%
	% Portable	10%	50%		95%		25%

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1998	<i>County</i>	Sumter	Union	Williamsburg	York		1998
	<i>Contact</i>	Greg Harvey	Raymond Sligh	John Boswell	Henry Nunnery		State Totals
Irrigation by Crop	Alfalfa						50
	Avocado						0
	Barley						30
	Beans						505
	Citrus						0
	Corn	1500					32965
	Cotton	1800				60	38205
	Cranberries						0
	Flower Seeds						0
	Grapes	5					37
	Hops						0
	Melons					5	6059
	Nursery	1	40			100	1801
	Oats						0
	Pasture						1286
	Hay Crops		35				805
	Peanuts	1200					2840
	Pecans						380
	Pineapples						0
	Potatoes						0
	Rice						0
	Small Fruits					30	385
	Turfgrass Sod						5185
	Sorghum						100
	Soybeans	200					9230
	Sugar Beets						0
	Sunflowers						0
	Sweet Potatoes					5	80
	Tobacco	50			150		4875
	Tree Fruits					75	12839
	Vegetables	5				50	7951
	Wheat	300					9950
Other						0	