

1997 South Carolina Irrigation Survey

State Irrigation totals are on pages 15 and 16
(Counties in italics did not report information in 1997)

1997	County	Abbeville	Aiken	Allendale	Anderson	Bamberg	Barnwell
	Contact	CP Chihasz	Terry Mathis	Hugh Gray	Ernest Locke	Gilbert Miller	Joe Varn
Sprinkler	Side Roll/Wheel Line						
	Traveler	0	475			850	250
	Solid Set	0				325	
	Hand Move	0	200		50		
	Center Pivot/Linear	0	1250	9700	65	5000	4000
	%Impact			66%	100%		50%
	%LEPA			34%			50%
	%chemigating		25%	100%			
Total Sprinkler Acreage	0	1925	9700	115	6175	4250	
Gravity/Flood	Flooding from Ditches	0					
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe			200			
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	0	0	200	0	0	0	
Low Flow / Drip	Surface Microspray	0					
	Surface Drip	0	15		25	2300	3500
	SDI	0				5	
	Buried Perf. pipe						
	Total Drip Acreage	0	15	0	25	2305	3500
Total Irrigated Acreage		0	1940	9900	140	8480	7750
Irrigation Power Unit Types	% Diesel		66%	100%	90%	50%	70%
	% Gasoline						
	% Electric		34%		10%	50%	30%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary		50%		80%	90%	
	% Portable		50%		20%	10%	

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	Contact	CP Chihasz	Terry Mathis	Hugh Gray	Ernest Locke	Gilbert Miller	Joe Varn	
Irrigation by Crop	Alfalfa							
	Avocado							
	Barley							
	Beans							
	Citrus							
	Corn			50	6000	50	3500	1100
	Cotton			975	3000		1500	1200
	Cranberries							
	Flower Seeds							
	Grapes			15				
	Hops							
	Melons				100		2000	3000
	Nursery			300			90	500
	Oats							
	Pasture					45	500	
	Hay Crops						500	
	Peanuts				700		100	200
	Pecans						10	
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					5	5	
	Turfgrass Sod			400				600
	Sorghum							
	Soybeans				700		1500	
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes						75	
	Tobacco							
	Tree Fruits			200				
Vegetables					10	200		
Wheat						1500		
Other								

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1997	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	100
	Solid Set			10			
	Hand Move						50
	Center Pivot/Linear	700		8000			
	%Impact			40%			
	%LEPA			60%			
	%chemigating			10%			
Total Sprinkler Acreage	700	0	9010	0	800	150	
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	1700					
	Surface Drip			400	3000	300	
	SDI			20	3		
	Buried Perf. pipe						
	Total Drip Acreage	1700	0	420	3003	300	0
Total Irrigated Acreage		2400	0	9430	3003	1100	150
Irrigation Power Unit Types	% Diesel	30%		30%		100%	75%
	% Gasoline						
	% Electric	70%		70%	100%		25%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary			60%		100%	50%
	% Portable			40%			50%

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1997	County	Beaufort	Berkeley	Calhoun	Charleston	Cherokee	Chester	
	Contact	York Glover	Frank Fitzsimons	Charles Davis	Roger Frances	David Parker	John Nance	
Irrigation by Crop	Alfalfa							
	Avocado							
	Barley							
	Beans							
	Citrus							
	Corn				4000			
	Cotton				4000		60	
	Cranberries							
	Flower Seeds							
	Grapes						5	
	Hops							
	Melons				300		2	
	Nursery				100			
	Oats							
	Pasture				100			
	Hay Crops							
	Peanuts							
	Pecans					15		
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					25	5	2
	Turfgrass Sod	700						
	Sorghum							25
	Soybeans				1000			
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes							
	Tobacco							
	Tree Fruits						1000	2
	Vegetables	1700				2960		5
	Wheat				3000			
Other								

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1997	County	Chesterfield	Clarendon	Colleton	Darlington	Dillon	Dorchester
	Contact	Kenneth Hall	George Stabler	Marion Barnes	David Gunter	Vic Bethea	Birdie Crosby
Sprinkler	Side Roll/Wheel Line						
	Traveler	900	1000	100	550	100	10
	Solid Set	25					
	Hand Move						25
	Center Pivot/Linear		3200		1500	200	65
	%Impact						
	%LEPA						
	%chemigating			62%			
Total Sprinkler Acreage	925	4200	100	2050	300	100	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						10
	Seepage/Sub Irrig.		2000				
	% using PAM						
Total Gravity Acreage	0	2000	0	0	0	10	
Low Flow / Drip	Surface Microspray						
	Surface Drip	25	300	500	50		
	SDI		20			2	
	Buried Perf. pipe		20				
	Total Drip Acreage	25	340	500	50	2	0
Total Irrigated Acreage		950	6540	600	2100	302	110
Irrigation Power Unit Types	% Diesel	90%	15%			50%	90%
	% Gasoline	5%					
	% Electric	5%	85%	100%		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	10%	15%	100%			100%
	% Portable	90%	85%			100%	

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1997	County	Chesterfield	Clarendon	Colleton	Darlington	Dillon	Dorchester
	Contact	Kenneth Hall	George Stabler	Marion Barnes	David Gunter	Vic Bethea	Birdie Crosby
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans		100				
	Citrus						
	Corn		1000	100		100	50
	Cotton		500			100	60
	Cranberries						
	Flower Seeds						
	Grapes						
	Hops						
	Melons	150	5	700			
	Nursery		35	100			
	Oats						
	Pasture						
	Hay Crops						
	Peanuts						
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits		3	5			
	Turfgrass Sod		1500				
	Sorghum						
	Soybeans		750			100	
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco	250	1500	100		25	
	Tree Fruits	500					20
Vegetables	200	300	100			10	
Wheat		750					
Other							

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1997	County	Edgefield	Fairfield	Florence	Georgetown	Greenville	Greenwood
	Contact	Tony Watson	Mark Talbert	Jody Martin	Carlin Munnerlyn	Danny Howard	Steve Odom
Sprinkler	Side Roll/Wheel Line					35	
	Traveler	8500		820	200		
	Solid Set	100	6	55	100		2
	Hand Move	150		300	50		15
	Center Pivot/Linear			250		30	
	%Impact			100%			
	%LEPA						
	%chemigating						
Total Sprinkler Acreage	8750	6	1425	350	65	17	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe	100					
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	100	0	0	0	0	0	
Low Flow / Drip	Surface Microspray	150					
	Surface Drip	25	2			35	
	SDI			25			
	Buried Perf. pipe						
	Total Drip Acreage	175	2	25	0	35	0
Total Irrigated Acreage		9025	8	1450	350	100	17
Irrigation Power Unit Types	% Diesel	60%		25%	40%	60%	
	% Gasoline	5%				20%	
	% Electric	35%	100%	75%	60%	20%	
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	10%	100%	90%	20%	80%	
	% Portable	90%		10%	80%	20%	

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1997	County	Edgefield	Fairfield	Florence	Georgetown	Greenville	Greenwood
	Contact	Tony Watson	Mark Talbert	Jody Martin	Carlin Munnerlyn	Danny Howard	Steve Odom
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans					25	
	Citrus						
	Corn				200		20
	Cotton	150			150		
	Cranberries						
	Flower Seeds						
	Grapes	50			2		
	Hops						
	Melons	25			15		10
	Nursery	300	6		20	100	
	Oats						
	Pasture					50	
	Hay Crops						
	Peanuts						
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits	25			15		10
	Turfgrass Sod				300	200	
	Sorghum						
	Soybeans						
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco				350		
	Tree Fruits	8500			10		10
	Vegetables	50	2		300		25
	Wheat						
Other							

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1997	County	Hampton	Horry	Jasper	Kershaw	Lancaster	Laurens
	Contact	Hugh Gray	Bruce Johnson	Tommy Walker	Kathryn White	Michael Payne	Bill Hendrix
Sprinkler	Side Roll/Wheel Line						
	Traveler		100	100			300
	Solid Set		10	35		10	150
	Hand Move						20
	Center Pivot/Linear	3500		800	500		
	%Impact	33%					
	%LEPA	67%					
	%chemigating	80%					
Total Sprinkler Acreage	3500	110	935	500	10	470	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe	300					
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	300	0	0	0	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip		10		50		700
	SDI						
	Buried Perf. pipe						
	Total Drip Acreage	0	10	0	50	0	700
Total Irrigated Acreage		3800	120	935	550	10	1170
Irrigation Power Unit Types	% Diesel	100%	95%	50%			10%
	% Gasoline						
	% Electric		5%	50%			90%
	% LP or Gas						
Irrigation Wells	Number		2				
	Ave. Depth		300				
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary						90%
	% Portable		100%				10%

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1997	County	Hampton	Horry	Jasper	Kershaw	Lancaster	Laurens	
	Contact	Hugh Gray	Bruce Johnson	Tommy Walker	Kathryn White	Michael Payne	Bill Hendrix	
Irrigation by Crop	Alfalfa							
	Avocado							
	Barley							
	Beans			50				
	Citrus							
	Corn		3000	50			300	
	Cotton		500					
	Cranberries							
	Flower Seeds							
	Grapes							
	Hops							
	Melons		200	10				
	Nursery			25		20	30	
	Oats							
	Pasture							
	Hay Crops			25				
	Peanuts		200					
	Pecans							
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					10	5	50
	Turfgrass Sod			50	935			
	Sorghum							
	Soybeans		200	50				
	Sugar Beets							
	Sunflowers							
	Sweet Potatoes							
	Tobacco			50				
	Tree Fruits					15		700
	Vegetables					10	5	10
	Wheat			50				
Other								

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1997	County	Lee	Lexington	Marion	Marlboro	McCormick	Newberry
	Contact	Randy Cabbage	Powell Smith	Russell Duncan	Vic Bethea	Wallace Wood	Bryan Smith
Sprinkler	Side Roll/Wheel Line						
	Traveler	200	1600	4020	200	10	150
	Solid Set			2680		300	4
	Hand Move		300				
	Center Pivot/Linear	1000	8800	300	800		140
	%Impact		93%		100%		100%
	%LEPA		7%				
	%chemigating		75%				
Total Sprinkler Acreage	1200	10700	7000	1000	310	294	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe				60		
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	0	0	0	60	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip		35	15			
	SDI				10		
	Buried Perf. pipe						
	Total Drip Acreage	0	35	15	10	0	0
Total Irrigated Acreage		1200	10735	7015	1070	310	294
Irrigation Power Unit Types	% Diesel	20%	25%				75%
	% Gasoline						
	% Electric	80%	75%		100%	100%	25%
	% LP or Gas						
Irrigation Wells	Number				4		
	Ave. Depth				200		
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible				90%		
	% Centrifugal				10%		
% Axial Flow							
Pumps	% Stationary		70%		100%		25%
	% Portable		30%				75%

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1997	County	Lee	Lexington	Marion	Marlboro	McCormick	Newberry
	Contact	Randy Cabbage	Powell Smith	Russell Duncan	Vic Bethea	Wallace Wood	Bryan Smith
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans		25				
	Citrus						
	Corn		2000		200		115
	Cotton	2000	2000		400		30
	Cranberries						
	Flower Seeds						
	Grapes						
	Hops						
	Melons						
	Nursery						
	Oats						
	Pasture						
	Hay Crops						85
	Peanuts						
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			30			4
	Turfgrass Sod						300
	Sorghum						
	Soybeans			1000		300	60
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco	200					
	Tree Fruits			150			
	Vegetables			1500			10
	Wheat			1000			
Other							

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1997	County	Oconee	Orangeburg	Pickens	Richland	Saluda	Spartanburg
	Contact	James Cummings	William Hair	Howard Hiller	John Oxner	Phil Perry	Edmund Taylor
Sprinkler	Side Roll/Wheel Line						
	Traveler		3500		10		2800
	Solid Set		70	50			110
	Hand Move			10	10		
	Center Pivot/Linear		24000		500		
	%Impact						
	%LEPA						
	%chemigating						
Total Sprinkler Acreage	0	27570	60	520	0	2910	
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						
	Surface Drip	2	170	135	4		200
	SDI		20				
	Buried Perf. pipe						
	Total Drip Acreage	2	190	135	4	0	200
Total Irrigated Acreage		2	28760	195	524	0	3110
Irrigation Power Unit Types	% Diesel		3%	20%	50%		75%
	% Gasoline						20%
	% Electric		97%	80%	50%		5%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary		98%	50%	10%		15%
	% Portable		2%	50%	90%		85%

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1997	County	Oconee	Orangeburg	Pickens	Richland	Saluda	Spartanburg
	Contact	James Cummings	William Hair	Howard Hiller	John Oxner	Phil Perry	Edmund Taylor
Irrigation by Crop	Alfalfa						
	Avocado						
	Barley						
	Beans			30			
	Citrus						
	Corn		9312			100	
	Cotton		9500			300	
	Cranberries						
	Flower Seeds						
	Grapes						
	Hops						
	Melons						110
	Nursery				100		70
	Oats						
	Pasture						
	Hay Crops						
	Peanuts		300				
	Pecans						
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			20	20	5	70
	Turfgrass Sod			2500			120
	Sorghum						
	Soybeans			1500		100	
	Sugar Beets						
	Sunflowers						
	Sweet Potatoes						
	Tobacco						
	Tree Fruits						1540
	Vegetables		2	120	50	5	
	Wheat			2000		100	
Other							

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1997	County	Sumter	Union	Williamsburg	York		1997
	Contact	Alston and Harvey	Raymond Sligh	John Boswell	Henry Nunnery		State Totals
Sprinkler	Side Roll/Wheel Line				75		110
	Traveler	700		500	50		29895
	Solid Set	50	5		35		4132
	Hand Move	100	4		20		1304
	Center Pivot/Linear	8000					82300
	%Impact	80%					35%
	%LEPA	20%					18%
	%chemigating						27%
Total Sprinkler Acreage		8850	9	500	180		117741
Gravity/Flood	Flooding from Ditches						1000
	Open Ditch w/siphons						0
	Gated Solid Pipe						0
	% w/ surge valves						0%
	Layflat pipe						670
	Seepage/Sub Irrig.						2000
	% using PAM						0%
Total Gravity Acreage		0	0	0	0		3670
Low Flow / Drip	Surface Microspray						1850
	Surface Drip	35			100		11933
	SDI	10					115
	Buried Perf. pipe						20
	Total Drip Acreage	45	0	0	100		13918
Total Irrigated Acreage		8895	9	500	280		135329
Irrigation Power Unit Types	% Diesel	20%		100%	70%		35%
	% Gasoline				15%		1%
	% Electric	75%	100%		15%		64%
	% LP or Gas	5%					0%
Irrigation Wells	Number						7
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	95%	100%				78%
	% Portable	5%		100%			22%

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1997	County	Sumter	Union	Williamsburg	York		1997
	Contact	Alston and Harvey	Raymond Sligh	John Boswell	Henry Nunnery		State Totals
Irrigation by Crop	Alfalfa	30					30
	Avocado						0
	Barley						0
	Beans	20					250
	Citrus						0
	Corn	4500				40	35787
	Cotton	4000				70	30495
	Cranberries						0
	Flower Seeds						0
	Grapes	15					87
	Hops						0
	Melons					10	6637
	Nursery			9		90	1895
	Oats						0
	Pasture						695
	Hay Crops						610
	Peanuts	1000					2500
	Pecans						25
	Pineapples						0
	Potatoes						0
	Rice						0
	Small Fruits					16	330
	Turfgrass Sod						7605
	Sorghum						25
	Soybeans	500					7760
	Sugar Beets						0
	Sunflowers						0
	Sweet Potatoes						75
	Tobacco	150			500		3125
	Tree Fruits					75	12722
	Vegetables	50				50	7691
	Wheat	500					8900
Other						0	