

## 2000 South Carolina Irrigation Survey

State Irrigation totals are on pages 15 and 16

(Counties in italics are 1999 data)

2000	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						75
	Traveler	50	480	350		1000	500
	Solid Set				3	300	500
	Hand Move		200		6	75	250
	Center Pivot/Linear		645	9000	15	7000	2300
	%Impact			0%		50%	65%
	%LEPA			25%		50%	35%
	%chemigating		50%	60%		15%	
Total Sprinkler Acreage	50	1325	9350	24	8375	3625	
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			1000		10	
	Surface Drip		15		16	3200	1450
	SDI			107			
	Buried Perf. pipe						
	Total Drip Acreage	0	15	1107	16	3210	1450
<b>Total Irrigated Acreage</b>		<b>50</b>	<b>1340</b>	<b>10457</b>	<b>40</b>	<b>11585</b>	<b>5075</b>
Irrigation Power Unit Types	% Diesel	100%	66%	20%	15%	25%	25%
	% Gasoline				70%		
	% Electric		34%	80%	15%	75%	75%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
Pumps	% Stationary		50%	90%	20%	80%	
	% Portable	100%	50%	10%	80%	20%	

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	Contact	CP Chihasz	Terry Mathis	Hugh Gray	Ernest Locke	Gilbert Miller	Joe Varn	
Irrigation by Crop	Alfalfa			30				
	Apples							
	Avocado							
	Barley							
	Beans & Peas							
	Berries					8		
	Citrus							
	Corn				5000		1500	2800
	Cotton			425	3000		3500	2800
	Flower Seeds							
	Grass Seeds							1000
	Grains							
	Grapes			15				
	Hops							
	Lettuce							
	Melons				300	4	2700	2500
	Mint							
	Nursery					6	100	
	Nuts						10	
	Oats							
	Olives							
	Pasture/Hay Crop	50	50	1200	15	1000	1000	
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					2		
	Sugar Cane							
	Sorghum							
	Soybeans				1000		250	
	Sugar Beets							
Tobacco								
Tree Fruits			200					
Turfgrass Sod			480				250	
Vegetables				50	6	250	175	
Wheat						100		
Other			170					

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2000	County	Beaufort	Berkeley	Calhoun	<i>Charleston</i>	Cherokee	Chester
	Contact	York Glover	Frank Fitzsimons	Charles Davis	<i>Roger Frances</i>	David Parker	John Nance
Sprinkler	Side Roll/Wheel Line						
	Traveler			1200		400	250
	Solid Set			25			
	Hand Move						75
	Center Pivot/Linear	400		10000			
	%Impact			40%			
	%LEPA			60%			
	%chemigating			10%			
Total Sprinkler Acreage	400	0	11225	0	400	325	
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	1550		800	950	360	10
	SDI			150			
	Buried Perf. pipe						
	Total Drip Acreage	1550		950	950	360	10
<b>Total Irrigated Acreage</b>		<b>1950</b>	<b>0</b>	<b>12175</b>	<b>950</b>	<b>760</b>	<b>335</b>
Irrigation Power Unit Types	% Diesel	15%		30%		100%	80%
	% Gasoline				10%		
	% Electric	85%		70%	90%		20%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	100%		70%	100%	100%	20%
	% Portable			30%			80%

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2000	<i>County</i>	Beaufort	Berkeley	Calhoun	<i>Charleston</i>	Cherokee	Chester	
	<i>Contact</i>	York Glover	Frank Fitzsimons	Charles Davis	<i>Roger Frances</i>	David Parker	John Nance	
Irrigation by Crop	Alfalfa							
	Apples						2	
	Avocado							
	Barley							
	Beans & Peas							
	Berries							
	Citrus							
	Corn				3000			100
	Cotton				7000			125
	Flower Seeds							
	Grass Seeds							
	Grains							
	Grapes							
	Hops							
	Lettuce							
	Melons		50		400			2
	Mint							
	Nursery				200			
	Nuts							
	Oats							
	Olives							
	Pasture/Hay Crop							20
	Pineapples							
	Potatoes							
	Rice							
	Small Fruits					60	5	3
	Sugar Cane							
	Sorghum							
	Soybeans				1500			
	Sugar Beets							
Tobacco								
Tree Fruits						750	3	
Turfgrass Sod		400						
Vegetables		1500			850	5	5	
Wheat				800				
Other							4	

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2000	County	Chesterfield	Clarendon	Colleton	Darlington	Dillon	Dorchester
	Contact	Sam Bass	Russell Duncan	Marion Barnes	David Gunter	Vic Bethea	Birdie Crosby
Sprinkler	Side Roll/Wheel Line						
	Traveler	300	1325	75	700	100	25
	Solid Set						
	Hand Move	15					40
	Center Pivot/Linear		5000	80	1700	200	90
	%Impact		50%		75%		
	%LEPA		50%		25%		
	%chemigating		50%				25%
Total Sprinkler Acreage	315	6325	155	2400	300	155	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe				25		25
	Seepage/Sub Irrig.		200				
	% using PAM						
Total Gravity Acreage	0	200	0	25	0	25	
Low Flow / Drip	Surface Microspray	450					
	Surface Drip	135	980	600	25		50
	SDI		20	4	75	4	
	Buried Perf. pipe						
	Total Drip Acreage	585	1000	604	100	4	50
	<b>Total Irrigated Acreage</b>	<b>900</b>	<b>7525</b>	<b>759</b>	<b>2525</b>	<b>304</b>	<b>230</b>
Irrigation Power Unit Types	% Diesel	10%	25%	50%	60%	50%	60%
	% Gasoline	70%					
	% Electric	20%	75%	50%	40%	50%	40%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	20%	90%	90%	20%		100%
	% Portable	80%	10%	10%	80%	100%	

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2000	<i>County</i>	<i>Chesterfield</i>	<i>Clarendon</i>	<i>Colleton</i>	<i>Darlington</i>	<i>Dillon</i>	<i>Dorchester</i>
	<i>Contact</i>	<i>Sam Bass</i>	<i>Russell Duncan</i>	<i>Marion Barnes</i>	<i>David Gunter</i>	<i>Vic Bethea</i>	<i>Birdie Crosby</i>
Irrigation by Crop	Alfalfa						
	Apples						
	Avocado						
	Barley						
	Beans & Peas		325		150		
	Berries	5	2.5				
	Citrus						
	Corn		1000		600	100	80
	Cotton		1000		1200	100	70
	Flower Seeds						
	Grass Seeds						
	Grains						
	Grapes			1.2			
	Hops						
	Lettuce						
	Melons	130	132	400			
	Mint						
	Nursery	5					15
	Nuts						
	Oats						
	Olives						
	Pasture/Hay Crop						
	Pineapples						
	Potatoes						
	Rice				40		
	Small Fruits				5		10
	Sugar Cane						
	Sorghum						
	Soybeans		1000		200	100	
	Sugar Beets						
Tobacco		400		300	250	35	
Tree Fruits	750					20	
Turfgrass Sod		2000					
Vegetables	15	1644.3	200	150	4		
Wheat							
Other				15			

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2000	County	Edgefield	Fairfield	Florence	Georgetown	Greenville	Greenwood
	Contact	Greg Henderson	Mark Talbert	Jody Martin	Carlin Munnerlyn	Danny Howard	??
Sprinkler	Side Roll/Wheel Line					37	
	Traveler	4300		1000	60		
	Solid Set	750	10	1000	400		6
	Hand Move		10	800			20
	Center Pivot/Linear			900	200	30	
	%Impact			100%			
	%LEPA						
	%chemigating			100%			
Total Sprinkler Acreage	5050	20	3700	660	67	26	
Gravity/Flood	Flooding from Ditches			500	25		
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe						
	Seepage/Sub Irrig.			400			
	% using PAM						
Total Gravity Acreage	0	0	900	25	0	0	
Low Flow / Drip	Surface Microspray	1600					
	Surface Drip	85		450	300	35	1
	SDI			50			
	Buried Perf. pipe						
	Total Drip Acreage	1685	0	500	300	35	1
<b>Total Irrigated Acreage</b>		<b>6735</b>	<b>20</b>	<b>5100</b>	<b>985</b>	<b>102</b>	<b>27</b>
Irrigation Power Unit Types	% Diesel			30%	25%	60%	
	% Gasoline			30%	25%	20%	
	% Electric		100%	40%	50%	20%	100%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary		100%	20%	90%	80%	
	% Portable			80%	10%	20%	

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2000	County	Edgefield	Fairfield	Florence	Georgetown	Greenville	Greenwood
	Contact	Greg Henderson	Mark Talbert	Jody Martin	Carlin Munneryn	Danny Howard	??
Irrigation by Crop	Alfalfa						
	Apples						
	Avocado						
	Barley						
	Beans & Peas			300		25	
	Berries	30					
	Citrus						
	Corn	250		300	100	25	
	Cotton	400		200			
	Flower Seeds						
	Grass Seeds						
	Grains				50		
	Grapes	55					
	Hops						
	Lettuce						
	Melons					10	
	Mint						
	Nursery	600	15		300		5
	Nuts						
	Oats						
	Olives						
	Pasture/Hay Crop	300				200	
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits						30
	Sugar Cane						
	Sorghum						
	Soybeans						
	Sugar Beets						
Tobacco				250	60		
Tree Fruits	4600					15	
Turfgrass Sod					450		
Vegetables	150	5	500		30	15	
Wheat					50		
Other							

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2000	County	Hampton	<i>Horry</i>	Jasper	Kershaw	Lancaster	Laurens
	Contact	Hugh Gray	<i>Bruce Johnson</i>	Jack Queener	Andy Rollins	Michael Payne	Angela Nichols
Sprinkler	Side Roll/Wheel Line						
	Traveler	500	5000	100			300
	Solid Set		25	35			200
	Hand Move						25
	Center Pivot/Linear	3200		1350	1000		
	%Impact						
	%LEPA	25%					
	%chemigating	60%					
Total Sprinkler Acreage	3700	5025	1485	1000	0	525	
Gravity/Flood	Flooding from Ditches			60			
	Open Ditch w/siphons						
	Gated Solid Pipe						
	% w/ surge valves						
	Layflat pipe			250			
	Seepage/Sub Irrig.						
	% using PAM						
Total Gravity Acreage	0	0	310	0	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip	15	15		25		800
	SDI	1000					
	Buried Perf. pipe						
	Total Drip Acreage	1015	15	0	25	0	800
<b>Total Irrigated Acreage</b>		<b>4715</b>	<b>5040</b>	<b>1795</b>	<b>1025</b>	<b>0</b>	<b>1325</b>
Irrigation Power Unit Types	% Diesel	30%	75%	50%	75%		20%
	% Gasoline		25%		25%		
	% Electric	70%		50%	0%		80%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	90%		95%			90%
	% Portable	10%	100%	5%	100%		10%

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2000	County	Hampton	<i>Horry</i>	Jasper	Kershaw	Lancaster	Laurens
	Contact	Hugh Gray	<i>Bruce Johnson</i>	Jack Queener	Andy Rollins	Michael Payne	Angela Nichols
Irrigation by Crop	Alfalfa						
	Apples						
	Avocado						
	Barley						
	Beans & Peas			5			
	Berries			30			
	Citrus						
	Corn	1000	250	10			400
	Cotton	1900				200	
	Flower Seeds						
	Grass Seeds						
	Grains			250			
	Grapes			1			
	Hops						
	Lettuce			1			
	Melons	1000	50	250	5		
	Mint						
	Nursery			50		15	30
	Nuts						
	Oats						
	Olives						
	Pasture/Hay Crop			50			
	Pineapples						
	Potatoes						
	Rice				50		
	Small Fruits			15		2	75
	Sugar Cane						
	Sorghum						
	Soybeans			250			
	Sugar Beets						
	Tobacco			750			
	Tree Fruits					4	700
Turfgrass Sod	300	300	1185				
Vegetables	60	50			3		
Wheat			100				
Other							

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2000	County	Lee	Lexington	Marion	Marlboro	McCormick	Newberry
	Contact	Randy Cabbage	John Oxner	??	Vic Bethea	Wallace Wood	Bryan Smith
Sprinkler	Side Roll/Wheel Line						
	Traveler	500	1700	4452	200	5	245
	Solid Set	10		2724		400	
	Hand Move		300				
	Center Pivot/Linear	3000	9800	300	1000		240
	%Impact		90%		100%		60%
	%LEPA		10%				40%
	%chemigating		75%				
Total Sprinkler Acreage	3510	11800	7476	1200	405	485	
Gravity/Flood	Flooding from Ditches						
	Open Ditch w/siphons						
	Gated Solid Pipe			12			
	% w/ surge valves						
	Layflat pipe				300		
	Seepage/Sub Irrig.			3059			
	% using PAM						
Total Gravity Acreage	0	0	3071	300	0	0	
Low Flow / Drip	Surface Microspray						
	Surface Drip	5	35	52			4
	SDI				10		
	Buried Perf. pipe						
	Total Drip Acreage	5	35	52	10	0	4
<b>Total Irrigated Acreage</b>		<b>3515</b>	<b>11835</b>	<b>10599</b>	<b>1510</b>	<b>405</b>	<b>489</b>
Irrigation Power Unit Types	% Diesel		25%				50%
	% Gasoline						
	% Electric		75%	100%	100%	100%	50%
	% LP or Gas						
Irrigation Wells	Number						
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	90%	75%		100%	100%	50%
	% Portable	10%	25%	100%			50%

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2000	<i>County</i>	<i>Lee</i>	<i>Lexington</i>	<i>Marion</i>	<i>Marlboro</i>	<i>McCormick</i>	<i>Newberry</i>
	<i>Contact</i>	<i>Randy Cabbage</i>	<i>John Oxner</i>	<i>??</i>	<i>Vic Bethea</i>	<i>Wallace Wood</i>	<i>Bryan Smith</i>
Irrigation by Crop	Alfalfa						
	Apples						
	Avocado						
	Barley						
	Beans & Peas		25				
	Berries		12				
	Citrus						
	Corn			3000	1500	300	210
	Cotton		2740	1500	500	600	140
	Flower Seeds						
	Grass Seeds						
	Grains						
	Grapes			5			
	Hops						
	Lettuce			15			
	Melons						
	Mint						
	Nursery		55	350			
	Nuts						
	Oats						
	Olives						
	Pasture/Hay Crop				414		35
	Pineapples						
	Potatoes						
	Rice						
	Small Fruits			30			4
	Sugar Cane						
	Sorghum						100
	Soybeans			1000	150	400	
	Sugar Beets						
Tobacco		200		2500	200		
Tree Fruits			250				
Turfgrass Sod			25				
Vegetables			4500	44	5	5	
Wheat			800	50			
Other						400	

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2000	County	Oconee	Orangeburg	Pickens	Richland	Saluda	Spartanburg
	Contact	??	Lewis Beckham	Brian Callahan	John Oxner	Phil Perry	Joe Guthrie
Sprinkler	Side Roll/Wheel Line						
	Traveler		3500		200	3500	2500
	Solid Set			65		200	150
	Hand Move			25	10		20
	Center Pivot/Linear		24650		700	400	70
	%Impact				85%		
	%LEPA				15%		
	%chemigating						
Total Sprinkler Acreage	0	28150	90	910	4100	2740	
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	280	160	100	100	80
	SDI		60				210
	Buried Perf. pipe						
	Total Drip Acreage	2	340	160	100	350	290
<b>Total Irrigated Acreage</b>		<b>2</b>	<b>29490</b>	<b>250</b>	<b>1010</b>	<b>4450</b>	<b>3030</b>
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%	99%		75%	20%	15%
	% Portable	1%	1%		25%	80%	85%

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2000	<i>County</i>	<i>Oconee</i>	<i>Orangeburg</i>	<i>Pickens</i>	<i>Richland</i>	<i>Saluda</i>	<i>Spartanburg</i>	
	<i>Contact</i>	??	Lewis Beckham	Brian Callahan	John Oxner	Phil Perry	Joe Guthrie	
<b>Irrigation by Crop</b>	Alfalfa					50		
	Apples						60	
	Avocado							
	Barley							
	Beans & Peas							
	Berries				35	25		65
	Citrus							
	Corn			11000		650	1000	70
	Cotton			14000			500	
	Flower Seeds							
	Grass Seeds							
	Grains					500		
	Grapes				5			20
	Hops							
	Lettuce							
	Melons						200	150
	Mint							
	Nursery			320	130	100		200
	Nuts			280				
	Oats							
	Olives							
	Pasture/Hay Crop				25		200	
	Pineapples							
	Potatoes					50		
	Rice							
	Small Fruits			30		25	10	10
	Sugar Cane							
	Sorghum							
	Soybeans			2400		200		
	Sugar Beets							
Tobacco								
Tree Fruits						2800	2000	
Turfgrass Sod			5200				70	
Vegetables			130	50	50	260	50	
Wheat			2000		300			
Other								

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2000	County	Sumter	Union	Williamsburg	York		2000 State Totals
	Contact	Greg Harvey	Raymond Sligh	John Boswell	Henry Nunnery		
Sprinkler	Side Roll/Wheel Line						112
	Traveler	1500	30	200	90		36637
	Solid Set	100	5		30		6938
	Hand Move				15		1886
	Center Pivot/Linear	8500					91770
	%Impact	100%					36%
	%LEPA						19%
	%chemigating	40%					26%
Total Sprinkler Acreage	10100	35	200	135		137343	
Gravity/Flood	Flooding from Ditches						1585
	Open Ditch w/siphons						0
	Gated Solid Pipe						12
	% w/ surge valves						0%
	Layflat pipe						600
	Seepage/Sub Irrig.						3659
	% using PAM						0%
Total Gravity Acreage	0	0	0	0		5856	
Low Flow / Drip	Surface Microspray	5					3315
	Surface Drip	25			150		12860
	SDI	5					1695
	Buried Perf. pipe						0
	Total Drip Acreage	35	0	0	150		17870
<b>Total Irrigated Acreage</b>		<b>10135</b>	<b>35</b>	<b>200</b>	<b>285</b>		<b>161069</b>
Irrigation Power Unit Types	% Diesel	15%		100%	70%		24%
	% Gasoline		50%		15%		3%
	% Electric	85%	50%		15%		74%
	% LP or Gas						0%
Irrigation Wells	Number						0
	Ave. Depth						
	Ave Water Depth						
	% Vertical Line Shaft						
	% Submersible						
	% Centrifugal						
% Axial Flow							
Pumps	% Stationary	100%	100%		10%		73%
	% Portable				90%		27%

## 2000 South Carolina Irrigation Survey

State Irrigation totals are on pages 15 and 16

(Counties in italics are 1999 data)

2000	County	Sumter	Union	Williamsburg	York		2000
	Contact	Greg Harvey	Raymond Sligh	John Boswell	Henry Nunnery		State Totals
Irrigation by Crop	Alfalfa						80
	Apples				2		64
	Avocado						0
	Barley						0
	Beans & Peas				6		836
	Berries	5			35		252.5
	Citrus						0
	Corn	5000					39245
	Cotton	2500					44400
	Flower Seeds						0
	Grass Seeds						1000
	Grains						800
	Grapes	5				2	109.2
	Hops						0
	Lettuce						16
	Melons	5				10	8298
	Mint						0
	Nursery	10				170	2676
	Nuts						290
	Oats						0
	Olives						0
	Pasture/Hay Crop			30			4589
	Pineapples						0
	Potatoes						50
	Rice						90
	Small Fruits	15					331
	Sugar Cane						0
	Sorghum						100
	Soybeans	200					8650
	Sugar Beets						0
	Tobacco	100			150		5195
Tree Fruits					130	12222	
Turfgrass Sod	150			50		10860	
Vegetables	300				80	11141.3	
Wheat	100					4300	
Other			5			594	