Agricultural Water Use within the CFWI

Office of Agricultural Water Policy

Irrigation System Application Efficiency Ranges

Irrigation System Type	Range of Application Efficiencies
Drip	70-90
Microspray and Center Pivots	70-85
Sprinkler	70 - 80
Semiclosed Seepage	30-70
Ref: UF IFAS Bul 247	

Irrigation System Type Acres in CFWI MIL Evaluations – 2009 to 2014

County	Drip App Eff 70-90		MicroSpray App Eff 70-85		Center Pivot App Eff 70-85		Sprinkler App Eff 70-80		Seepage App Eff 30-70		Totals
	Ac	%	Ac	%	Ac	%	Ac	%	Ac	%	
Lake (474 Evaluations)	96	1	5,423	86	268	4	506	8	42	1	6,335
Orange (44 Evaluations)	6	9	42	61	0	0	21	30	0	0	69
Osceola (3 Evaluations)	0	0	158	100	0	0	0	0	0	0	158
Polk (30 Evaluations)	0	0	1,207	100	0	0	0	0	0	0	1,207
TOTALS (551 Evaluations)	102	1	6,830	88	268	3	527	7	42	1	7,769

* No MIL evaluations in Seminole County to date.

Irrigated Acreage by Crop Type

County	Citrus	Field Crops	Greenhouse / Nursery	Misc.	Other Fruits & Nuts	Pasture	Sod	Vegetables /Melons /Berries	Grand Total
Lake	6,366	409	2,004	194		625		387	*9,985*
Orange	3,720	237	1,398	20	29	1,738	397	537	*8,076*
Osceola	11,307	2,180	38		116	471	4,555	4,533	*23,199*
Polk	78,543	1,396	904			1,626	3,815	4,051	*90,335*
Seminole	537	14	907			1,551	252	19	*3,278*
Grand Total:	**100,472**	*4,236*	*5,250*	*214*	*145*	*6,011*	*9,019*	*9,527*	134,873

Irrigated and Non-Irrigated Acreage

County	Irrigated	Non-Irrigated	Grand Total	Percent Irrigated
Lake	9,985	71,204	**81,189**	**14%**
Orange	8,076	116,917	**124,993**	**7%**
Osceola	23,199	526,451	**549,649**	**4%**
Polk	90,335	354,187	**444,522**	**26%**
Seminole	3,278	27,792	**31,070**	**12%**
Grand Total:	*134,873*	*1,096,550*	*1,231,423*	*12%*

Irrigation Demand Summary (MGD)

County	2010 Average	2035 Average	2010 Dry	2035 Dry
Lake	17.94	16.72 - 18.66	19.94	18.54 - 20.76
Orange	14.84	13.57 - 15.53	17.58	14.55 - 18.42
Osceola	33.8	30.84 - 36.39	36.86	33.61 - 39.71
Polk	115.82	106.91 - 123.64	127.38	117.56 - 134.79
Seminole	6.93	6.09 - 7.29	7.94	6.38 - 8.36
Total CFWI :	*189.33*	*175.03 - 200.41*	*209.68*	*193.79 - 222.04*