

Lower West Coast Mobile Irrigation Lab

Quarterly Report Third Quarter – Fiscal Year 2025 April 1st through June 30, 2025

Sponsored by:

**Collier Soil and Water Conservation District
Florida Department of Agriculture and Consumer Services
Natural Resources Conservation Service**

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Evaluation Results

SYSTEMS EVALUATED

This report covers the third quarter of Fiscal Year 2025, from April 1- June 30, 2025. The Mobile Irrigation Lab (MIL) completed 42 total evaluations. The 42 evaluations were performed on microjet systems on citrus and drip systems on nurseries. There were no follow-up evaluations during this period.

RESULTS

Agricultural system evaluations are rated based on the measured Emission Uniformity (EU) of systems. The average EU of the agricultural systems and container nurseries evaluated was 78%.

WATER SAVINGS

Potential Water Savings (PWS) are based on first-time evaluations and estimate the amount of water that would be saved each year by making the recommended system improvements and/or following recommended irrigation scheduling guides. Actual Water Savings (AWS) are calculated from system improvements measured by follow-up evaluations.

PWS: 162.8 million gallons (499.62acre feet) per year.

Conservation Education/Outreach Activities

The MIL team also provides education and outreach services on a regular basis to individual agricultural irrigators related to evaluations performed by the MIL. The MIL continues to work on preparing and refining various PowerPoint presentations to assist in future education activities. Staff spends time designing and maintaining the Collier Soil and Water Conservation District and MIL website at www.collierswcd.org.

**LOWER WEST COAST MOBILE IRRIGATION LAB
April (3rd Qtr. Federal Fiscal Year) 2025 (4th Qtr 2025 FDACS)**

Producer	Zone	Zip Code	County	Quarter ID	Crop	System Type	Acres	Soil Type	**** Water ****			Pump	Motor	Problems	Inline Flow	US Flow	EU%	PWS Ac./Ft.	AWS Ac./Ft.	Initial EU	Init. qtr.	FDACS ID Initial	GPS Lat	GPS Long	BMP NOI#
									Source	pH	TDS														
Rey Doria's Nursery	Test Zone 1	34114	Collier	127	Tropical Plants	Micro	0.6	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,33,41,506	None	77.5	75	0.25				26.04692	-81.65406	NOI#9375	
Rey Doria's Nursery	Test Zone 2	34114	Collier	128	Tropical Plants	Micro	0.7	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,30,33,41,506	None	79.2	61	0.59				26.04683	-81.65349	NOI#9375	
Rey Doria's Nursery	Test Zone 3	34114	Collier	129	Tropical Plants	Micro	0.6	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,30,33,41,506	None	93	60	0.54				26.04620	-81.65351	NOI#9375	
Rey Doria's Nursery	Test Zone 4	34114	Collier	130	Tropical Plants	Micro	0.3	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,26,33,41,506	None	105.1	78	0.10				26.04657	-81.65284	NOI#9375	
Rey Doria's Nursery	Test Zone 5	34114	Collier	131	Tropical Plants	Micro	0.39	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,33,506	None	91.06	60	0.34				26.04680	-81.65285	NOI#9375	
Rey Doria's Nursery	Test Zone 6	34114	Collier	132	Tropical Plants	Micro	0.37	#9999	Well	6.8	470	Turbine	Electric	4,12,13,20,30,33,41,506	None	128.4	72	0.17				26.04657	-81.65203	NOI#9375	
Rey Doria's Nursery	Test Zone 7	34114	Collier	133	Tropical Plants	Micro	0.2	#9999	Well	6.8	470	Turbine	Electric	12,13,20,30,33,41,506	None	98.5	75	0.08				26.04604	-81.65287	NOI#9375	
Alva Land Management	Church Block 9	33930	Hendry	134	Citrus	Micro	49.4	H-4	Surface	6.7	360	Centrifugal	Diesel	6,30,33	1480	1440	83	10.53				26.57168	-81.45616	NOI#38184	
Alva Land Management	Church Block 10	33930	Hendry	135	Citrus	Micro	96.52	H-4	Surface	6.7	360	Centrifugal	Diesel	6,30,33	2175	2150	80	26.69				26.56788	-81.45774	NOI#38184	
Alva Land Management	Church Block 11	33930	Hendry	136	Citrus	Micro	101.82	H-4	Surface	6.8	380	Centrifugal	Diesel	6,33	2200	2130	77	35.10				26.56429	-81.45811	NOI#38184	
Alva Land Management	Church Block 12	33930	Hendry	137	Citrus	Micro	76.04	H-4	Surface	6.8	380	Centrifugal	Diesel	6,30	2050	1965	86	11.73				26.56085	-81.45796	NOI#38184	
Southern Fresh Farms	Zone 1	33912	Lee	138	Peppers	Drip	0.03	#9999	Well	6.6	920	Turbine	Electric	2,4,33,506	None	3.57	87	0.00				26.56781	-81.81420	NOI#16100836	
Southern Fresh Farms	Zone 2	33912	Lee	139	Tomatoes	Drip	0.04	#9999	Well	6.6	920	Turbine	Electric	2,4,33,506	None	5.03	84	0.01				26.56781	-81.81432	NOI#16100836	
Southern Fresh Farms	Zone 5	33912	Lee	140	Lettuce/Rhubarb	Drip	0.03	#9999	Well	6.6	920	Turbine	Electric	2,4,13,33,506	None	3.29	71	0.01				26.56782	-81.81454	NOI#16100836	
Alva Land Mgmt Alva	Pump 27 Block 3	33920	Lee	141	Citrus	Micro	92.1	L-50	Surface	6.9	380	Centrifugal	Diesel	33	2010	1939	84	17.79				26.75122	-81.57948	NOI#38183	
Alva Land Mgmt Alva	Pump 28 Block 1	33920	Lee	142	Citrus	Micro	104.0	L-34	Surface	6.9	380	Centrifugal	Diesel	6,20	2320	2235	75	40.89				26.75127	-81.56898	NOI#38183	
Alva Land Mgmt Alva	Pump 24 Block 1	33920	Lee	143	Citrus	Micro	93.2	L-13	Surface	7.2	410	Centrifugal	Diesel	6,33	2410	2323	80	25.77				26.74535	-81.56894	NOI#38183	
Alva Land Mgmt Alva	Pump 23 Block 3	33920	Lee	144	Citrus	Micro	65.6	L-28	Surface	7.2	410	Centrifugal	Diesel	33	1940	1890	79	19.59				26.73791	-81.57298	NOI#38183	
Bernsen Nursery	Zone 3	34105	Collier	145	Nursery	Drip	0.45	#9999	Well	6.6	880	Turbine	Electric	4,12,33,506	None	72.1	62	0.35				26.19869	-81.75181	NOI#5950	
Bernsen Nursery	Zone 2	34105	Collier	146	Nursery	Drip	1.15	#9999	Well	6.6	880	Turbine	Electric	4,12,33,506	None	81.9	71	0.57				26.19867	-81.75234	NOI#5950	
Bernsen Nursery	Zone 1	34105	Collier	147	Nursery	Drip	0.89	#9999	Well	6.6	880	Turbine	Electric	12,20,21,33,506	None	71.1	60	0.77				26.19778	-81.75222	NOI#5950	
Bernsen Nursery	Zone 5	34105	Collier	148	Nursery	Drip	0.51	#9999	Well	6.6	880	Turbine	Electric	12,33,506	None	59.6	68	0.30				26.19974	-81.75182	NOI#5950	
O'Donnell Landscapes	Zones 1 & 2	33471	Glades	149	Nursery	Micro	2.1	#9999	Surface	7.1	560	Turbine	Electric	4,12,13,30,506	None	177	77	0.72				26.79712	-81.02810	NOI#15901040	
O'Donnell Landscapes	Zones 3 & 4	33471	Glades	150	Nursery	Micro	1.8	#9999	Surface	7.1	560	Turbine	Electric	12,506	None	184.7	85	0.31				26.79712	-81.02913	NOI#15901040	
Other Bernsen Nursery	Zone 1	34117	Collier	151	Nursery	Micro	0.45	#9999	Well	7.2	530	Turbine	Electric	13,506	None	185	89	0.04				26.17529	-81.63841	NOI#9257	
Other Bernsen Nursery	Zone 3	34117	Collier	152	Nursery	Micro	0.83	#9999	Well	7.2	520	Turbine	Electric	13,506	None	190	91	0.05				26.17634	-81.63824	NOI#9257	
Other Bernsen Nursery	Zone 5	34117	Collier	153	Nursery	Micro	0.83	#9999	Well	7.2	520	Turbine	Electric	13,506	None	181	94	0.01				26.17555	-81.63842	NOI#9257	
Other Bernsen Nursery	Zone 7	34117	Collier	154	Nursery	Micro	0.74	#9999	Well	7.2	520	Turbine	Electric	6,13,506	None	182	93	0.02				26.17556	-81.63950	NOI#9257	
P&T Lawn Tractor	Zone 6	33903	Lee	155	Nursery	Solid Set	0.1	#9999	Well	7.8	1540	Turbine	Electric	32	25	24.2	76	0.04				26.71550	-81.69513	NOI#15900896	
P&T Lawn Tractor	Zone 8	33903	Lee	156	Nursery	Solid Set	0.1	#9999	Well	7.8	1540	Turbine	Electric	13,32	35	34.5	72	0.05				26.71556	-81.69473	NOI#15900896	
P&T Lawn Tractor	Zone 10	33903	Lee	157	Nursery	Solid Set	0.1	#9999	Well	7.8	1540	Turbine	Electric	13,32	28	26.5	78	0.03				26.71672	-81.69517	NOI#15900896	
Bob Brewer	Reynolds Grove	34269	Desoto	158	Citrus	Micro	22.3	D-42	Well	7.7	880	Turbine	Diesel	30,506	None	675	85	3.87				27.12525	-81.93618	NOI#16100811	
Bob Brewer	Mclver 2 Grove	34269	Desoto	159	Citrus	Micro	28.5	D-37	Well	7.4	1140	Turbine	Diesel	4,5,30,506	None	605	81	7.26				27.10659	-81.95543	NOI#16100817	
Bob Brewer	Bogess Atkinson Grove	34269	Desoto	160	Citrus	Micro	16.9	D-42	Well	7.2	870	Turbine	Diesel	4,5,40,506	None	459	90	1.38				27.07599	-81.95367	NOI#16100843	
Bob Brewer	Carol Bogess Grove	34269	Desoto	161	Citrus	Micro	25.3	D-42	Well	7.1	700	Turbine	Diesel	4,5,40,506	None	274	83	5.39				27.07780	-81.95180	NOI#16100843	
Bob Brewer	Bogess 5 Acre Grove	34269	Desoto	162	Citrus	Micro	4.77	D-42	Well	7.2	520	Turbine	Electric	40,506	None	79	91	0.31				27.08463	-81.95368	NOI#16100844	
Bob Brewer	Clemons Grove	34269	Desoto	163	Citrus	Micro	26.9	D-25	Well	7.1	620	Turbine	Diesel	20,40,506	None	567	76	9.92				27.08054	-81.94039	NOI#11900189	
Bob Brewer	Hamlin Grove	34269	Desoto	164	Citrus	Micro	20.35	D-25	Well	7.0	560	Turbine	Diesel	4,5,40,506	None	410	82	4.76				27.07597	-81.93994	NOI#11900190	
Bob Brewer	Anderson Grove	34269	Desoto	165	Citrus	Micro	118.5	D-42	Well	7.8	590	Turbine	Diesel	4,5,12,20,40,56,507	Broken	1885	81	30.20				27.15743	-81.87374	NOI#16100814	
Bob Brewer	OT Brewer Grove	34269	Desoto	166	Citrus	Micro	12.8	D-35	Well	7.6	600	Turbine	Electric	4,5,6,11,12,506	None	272	72	6.03				27.19393	-81.90308	NOI#16100857	
Bob Brewer	Skipper Grove	34269	Desoto	167	Citrus	Micro	387.3	D-37	Well	7.4	1040	Turbine	Diesel	4,5,12,40,56	4100	3967	75	152.29				27.16865	-81.94019	NOI#16100845	
Bob Brewer	Citrus Pride 2 Grove	34269	Desoto	168	Citrus	Micro	245.8	D-36	Well	7.2	1750	Turbine	Diesel	4,5,12,20,40,56	4850	4790	77	84.73				27.18887	-81.93974	NOI#16100812	

42 evals

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