

Lower West Coast Mobile Irrigation Lab

Quarterly Report Second Quarter – Fiscal Year 2025 Jan 1 through March 31st, 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 second quarter of Fiscal Year 2025, from Jan 1- March 31st, 2025. The Mobile Irrigation Lab (MIL) completed 42 total evaluations, which were all initial evaluations. The 42 evaluations were performed on microjet systems on citrus and solid set systems for container nurseries.

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 79.8%.

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: 55.4 million gallons (170.03-acre 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.

January-March (2nd Qtr. Federal Fiscal Year) 2025 (3rd 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														
Peace River Citrus 4N1	Block 4	34266	Desoto	85	Citrus	Micro	30.8	D-20	Surface	7.4	1200	Centrifugal	Diesel	4,5,12,30,33,34,35,40	450	430	83	6.57				27.04560	-81.57407	NOI#5956	
Peace River Citrus 4N1	Block 1	34266	Desoto	86	Citrus	Micro	94.7	D-20	Well	7.6	1320	Turbine	Diesel	4,5,12,30,33,35,40	1350	1285	75	37.24				27.05278	-81.56867	NOI#5956	
Davenport Ent Inc	Zone 4	34120	Collier	87	Nursery	Micro	0.5	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	46.1	87	0.06				26.36095	-81.57047	NOI#320100075	
Davenport Ent Inc	Zone 5	34120	Collier	88	Nursery	Micro	0.44	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	113	88	0.05				26.36115	-81.57046	NOI#320100075	
Davenport Ent Inc	Zone 6	34120	Collier	89	Nursery	Micro	0.39	C-16	Well	7.9	480	Centrifugal	Electric	4,5,13,33,41,506	None	105.8	80	0.11				26.36138	-81.57039	NOI#320100075	
Davenport Ent Inc	Zone 7	34120	Collier	90	Nursery	Micro	0.49	C-16	Well	7.9	480	Centrifugal	Electric	4,5,13,33,41,506	None	105.6	83	0.10				26.36157	-81.57050	NOI#320100075	
Davenport Ent Inc	Zone 8	34120	Collier	91	Nursery	Micro	0.26	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	84.1	78	0.08				26.36177	-81.57081	NOI#320100075	
Davenport Ent Inc	Zone 9	34120	Collier	92	Nursery	Micro	0.21	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	84.7	77	0.07				26.36177	-81.57018	NOI#320100075	
Davenport Ent Inc	Zone 11	34120	Collier	93	Nursery	Micro	0.54	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	104.1	81	0.14				26.36196	-81.57049	NOI#320100075	
Davenport Ent Inc	Zone 13	34120	Collier	94	Nursery	Micro	0.54	C-16	Well	7.9	480	Centrifugal	Electric	4,5,33,506	None	127.1	72	0.25				26.36236	-81.57048	NOI#320100075	
Gene Barnett	Glades Grove	33935	Glades	95	Citrus	Micro	28.5	G-26	Well	7.6	400	Turbine	Electric	4,5,12,26,30,34,40	570	520	79	8.51				26.78904	-81.48660	NOI#14500937	
Sandhill Growers	Zone 17	34266	Desoto	96	Nursery	Micro	0.72	D-37	Well	7.6	630	Turbine	Diesel	3,12,20,30	250	228	87	1.69				27.19017	-81.77973	NOI#39919	
Sandhill Growers	Zone 16	34266	Desoto	97	Nursery	Micro	0.72	D-37	Well	7.6	630	Turbine	Diesel	3,12,20	236	220	89	0.07				27.19035	-81.77974	NOI#39919	
Sandhill Growers	Zone 13 & 14	34266	Desoto	98	Nursery	Micro	0.54	D-37	Well	7.6	630	Turbine	Diesel	3,12,20,21	150	144	83	0.12				27.19077	-81.77930	NOI#39919	
Duvall Landscape	Zone 3	34120	Collier	99	Podocarpus	Drip	0.2	C-131	Well	6.1	570	Turbine	Electric	1,4,5,12,31,506	None	27.4	95	0.00				26.26467	-81.26994	NOI#320100061	
Duvall Landscape	Zone 1	34120	Collier	100	Podocarpus	Drip	0.3	C-131	Well	6.1	570	Turbine	Electric	1,4,5,12,31,506	None	24.1	80	0.08				26.26484	-81.63004	NOI#320100061	
Duvall Landscape	Zone 4B	34120	Collier	101	Podocarpus	Drip	0.2	C-131	Well	6.1	570	Turbine	Electric	1,4,5,12,31,506	None	14.2	86	0.02				26.26508	-81.62972	NOI#320100061	
Duvall Landscape	Zone 4A	34120	Collier	102	Podocarpus	Drip	0.15	C-131	Well	6.1	570	Turbine	Electric	1,4,5,12,31,506	None	18.6	75	0.06				26.26506	-81.63016	NOI#320100061	
Desoto Nursery	Surface Pump Zone 2	34266	Desoto	103	Ornamentals	Micro	0.07	D-36	Surface	6.8	230	Centrifugal	Electric	12,13,20,52,506	None	56	85	0.01				27.21199	-81.76687	NOI#16101108	
Desoto Nursery	Surface Pump Zone 1	34266	Desoto	104	Ornamentals	Micro	0.09	D-36	Surface	6.8	230	Centrifugal	Electric	6,12,13,20,52,506	None	32.5	64	0.06				27.21200	-81.76669	NOI#16101108	
Desoto Nursery	Surface Pump Zone 3	34266	Desoto	105	Ornamentals	Micro	0.16	D-36	Surface	6.8	230	Centrifugal	Electric	12,13,20,506	None	42.2	80	0.04				27.21168	-81.76672	NOI#16101108	
Desoto Nursery	Surface Pump Zone 4	34266	Desoto	106	Ornamentals	Micro	0.14	D-36	Surface	6.8	230	Centrifugal	Electric	12,13,20,506	None	44.4	75	0.06				27.21167	-81.76706	NOI#16101108	
Desoto Nursery	Well Pump Zone 5&6	34266	Desoto	107	Ornamentals	Micro	0.14	D-36	Surface	6.8	230	Centrifugal	Electric	12,20,21,506	None	88.7	88	0.02				27.21121	-81.76505	NOI#16101108	
Desoto Nursery	Well Pump Zone 1&2	34266	Desoto	108	Ornamentals	Micro	0.12	D-36	Surface	6.8	230	Centrifugal	Electric	12,13,20,21,506	None	67.4	86	0.02				27.21109	-81.76588	NOI#16101108	
Rum Creek Nursery	North Well Zone 3	34266	Desoto	109	Ornamentals	Micro	3.14	D-14	Well	6.8	520	Turbine	Electric	13,20,21,506	None	94.9	64	2.24				27.06506	-81.79422	NOI#12500095	
Rum Creek Nursery	North Well Zone 4	34266	Desoto	110	Ornamentals	Micro	4.13	D-14	Well	6.8	520	Turbine	Electric	13,20,21,41,506	None	102.4	62	9.76				27.06504	-81.79378	NOI#12500095	
Rum Creek Nursery	South Well Zone 1	34266	Desoto	111	Ornamentals	Micro	1.5	D-14	Well	6.7	600	Turbine	Electric	13,20,21,31,33,506	None	50.2	69	0.83				27.06135	-81.79679	NOI#12500095	
Rum Creek Nursery	South Well Zone 2	34266	Desoto	112	Ornamentals	Micro	0.71	D-14	Well	6.7	600	Turbine	Electric	13,20,21,31,33,506	None	49.5	65	0.48				27.06136	-81.79621	NOI#12500095	
Central Florida Natives	Zone 2	34266	Desoto	113	Native Plants	Fixed	0.22	D-26	Well	7.3	570	Centrifugal	Electric	12,26,32,33,506	None	47.9	71	0.11				27.07947	-81.77124	NOI#16101110	
K Berries Farm	One Zone	34266	Desoto	114	Blueberries	Drip	8.7	D-42	Surface	7.6	210	Turbine	Diesel	4,33,56	670	674	82	2.03				27.21754	-81.89705	NOI#14014	
Roberge Wheeler	North Block	33920	Lee	115	Citrus	Micro	63.8	L-12	Surface	6.9	1880	Centrifugal	Diesel	4,5,12,30,31,33,56	1840	1510	65	43.42				26.69759	-81.58015	NOI#13569	
Roberge Wheeler	South Block	33920	Lee	116	Citrus	Micro	72.5	L-28	Surface	6.9	1880	Centrifugal	Diesel	4,5,12,33,56	2000	1555	64	51.78				26.68785	-81.57993	NOI#13569	
Work-A-Holics Nursery	Test Zone 1	34119	Collier	117	Nursery	Micro	0.05	C-101	Well	6.1	1070	Turbine	Electric	506	None	24.7	94	0.00				26.26938	-81.71996	NOI#320100279	
Work-A-Holics Nursery	Test Zone 2	34119	Collier	118	Nursery	Micro	0.05	C-101	Well	6.1	1070	Turbine	Electric	30,33,506	None	22.2	92	0.00				26.26935	-81.71925	NOI#320100279	
Work-A-Holics Nursery	Test Zone 3	34119	Collier	119	Nursery	Micro	0.03	C-101	Well	6.1	1070	Turbine	Electric	4,5,33,506	None	21.2	84	0.01				26.26803	-81.72021	NOI#320100279	
Work-A-Holics Nursery	Test Zone 4	34119	Collier	120	Nursery	Micro	0.05	C-101	Well	6.1	1070	Turbine	Electric	13,30,33,506	None	28	85	0.01				26.26803	-81.72043	NOI#320100279	
Work-A-Holics Nursery	Test Zone 5	34119	Collier	121	Nursery	Micro	0.05	C-101	Well	6.1	1070	Turbine	Electric	13,30,506	None	21.48	88	0.01				26.26794	-81.72042	NOI#320100279	
Work-A-Holics Nursery	Test Zone 6	34119	Collier	122	Nursery	Micro	0.05	C-101	Well	6.1	1070	Turbine	Electric	13,30,506	None	21.6	82	0.01				26.26787	-81.72042	NOI#320100279	
Work-A-Holics Nursery	Test Zone 7	34119	Collier	123	Nursery	Micro	0.03	C-101	Well	6.1	1070	Turbine	Electric	4,5,13,30,506	None	10.5	87	0.00				26.26777	-81.72041	NOI#320100279	
Work-A-Holics Nursery	Test Zone 8	34119	Collier	124	Nursery	Micro	0.06	C-101	Well	6.1	1070	Turbine	Electric	4,5,506	None	19.5	87	0.01				26.26839	-81.71917	NOI#320100279	
Work-A-Holics Nursery	Test Zone 9	34119	Collier	125	Nursery	Micro	0.06	C-101	Well	6.1	1070	Turbine	Electric	4,5,506	None	23.52	78	3.86				26.26815	-81.71912	NOI#320100279	
Work-A-Holics Nursery	Test Zone 10	34119	Collier	126	Nursery	Micro	0.06	C-101	Well	6.1	1070	Turbine	Electric	4,5,13,506	None	25.8	79	0.02				26.26817	-81.71866	NOI#320100279	

42 evals

316.0

79.85714 170.03

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