

Lower West Coast Mobile Irrigation Lab

Quarterly Report Third Quarter – Fiscal Year 2021 April 1 through June 30th, 2021

Sponsored by:

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

**3434 Hancock Bridge Parkway
Suite 209B
North Fort Myers, FL 33903
(239) 214-3113**

Evaluation Results

SYSTEMS EVALUATED

This report covers the third quarter of Fiscal Year 2021, from April 1- June 30th, 2021. 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 81.3%.

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: 138.2 million gallons (424 acre feet) per year.

AWS: 0 million gallons (0) per year.

Conservation Education/Outreach Activities

- MIL Team Leader is preparing for the Citrus Expo on August 17-18th 2021.

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-June2021 (3rd Qtr. Federal Fiscal Year) 2021**

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														
Elata Native Buck	Bamboo	33905	Lee	68	Container	Micro	0.1	L-105	Well	7.9	530	Turbine	Electric	8,23	none	none	95	0.00				26.66856	-81.73272	#43593	
Elata Native Higgin	Pot Stake	33905	Lee	69	Container	Micro	0.1	L-33	Well	6.9	810	Turbine	Electric	13,20,223,26,30,33	none	none	58	0.05				26.66601	-81.74484	#43594	
Phoenix Grove	Pump1 Zone 1	34142	Collier	70	Citrus	Micro	16.2	C-16	Well	7.9	385	Turbine	Electric	25,40	none	none	82	3.79				26.49735	-81.44769	#14501134	
Easte End Grove	P1Z1	33920	Lee	71	Citrus	Micro	14.6	L-55	Surface	8.5	250	Centrif	Electric	3,12,30	none	none	90	1.20				26.71940	-81.59608	#14501061	
B-Road Hemp	Zone 1	33935	Hendry	72	Hemp	Micro	2.9	H-8	Well	7.5	970	Turbine	Electric	30,33	none	33	91	0.19				26.70288	-81.42985	#15900506	
D.S.Ficus Tree Ln	Zone 3	33922	Lee	73	Palms	Micro	0.85	L-11	Well	7.4	1305	Centrif	Electric	25,33,40	none	none	86	0.13				26.65409	-82.12426	#41311	
D.S. Capri Lane	Zone 2	33922	Lee	74	Palms	Micro	0.55	L-11	City	7.7	345	none	none	20,25,33,40	20	none	94	0.01				26.65850	-82.13837	#41310	
Pelican Coast Farms	Zone 4	33905	Lee	75	Container	Micro	0.1	L-13	Well	7.6	675	Turbine	Electric	12,20,21,33	none	none	72	0.02				26.68551	-81.74708	#43595	
Palm Source	Zone 2	33931	Lee	76	Palms	Micro	1.08	L-11	Well	7.9	700	Turbine	Electric	20,25,30,33,40,50	90	85	61	0.89				26.65651	-82.13344	#39379	
Riverland Nursery	Zone 13	33905	Lee	77	Bamboo	Micro	0.14	L-36	Well	7.9	850	Turbine	Electric	3,12,13,20,30	none	88	92	0.01				26.70388	-81.74433	#15900558	
Palm Source	Zone 1	33931	Lee	78	Palms	Micro	1.0	L-11	Well	7.9	800	Turbine	Electric	13,40	none	95	93	0.03				26.65109	-82.12547	#39377	
Sundnce Orchids	Zone 6	33912	Lee	79	Orchids	Micro	0.02	L-102	Well	7.8	810	Centrif	Electric	12,12	none	none	71	0.01				26.50774	-81.83879	#16100139	
Victor Beer	Blk 3 & 4	33935	Hendry	80	Citrus	Micro	18.8	H-10	Surface	7.8	305	Centrif	Electric	5,12,21,30	none	210	83	4.01				26.67489	-81.33596	#4464	
Bryan Beer II	Blk 11 & 12	33935	Hendry	81	Citrus	Micro	21.4	H-4	Surface	7.7	300	Centrif	Electric	5,12,21,30	none	270	77	7.38				26.67333	-81.33111	#4463	
Green Horizons Org	Zone 1	33956	Lee	82	Fruit/Nut	SS	0.9	L-28	Surface	7.8	700	Centrif	Electric	4,5,12,33	none	12.7	71	0.42				26.53100	-82.09986	#40749	
Worden farms	Zone 8C	33982	Charlotte	83	Veg	Micro	0.55	Ch-33	Surface	7.7	620	Centrif	Diesel	4,30	none	215	83	0.12				26.95283	-81.87810	#40175	
Battista Farms	Zone 1	33908	Lee	84	Container	Micro	0.05	L-123	Well	7.4	795	Turbine	Electric	13,30,53	none	37.5	91	0.00				26.45696	-81.82570	#6334	
Blueberry Bunch	Block 23	33935	Glades	85	Container	Micro	2.2	G-23	Surface	8.4	328	Centrif	Diesel	33	135	140	94	0.03				26.77377	-81.48049	#12327	
Ingleton LLC	Zone 1 Setion 2	33922	Lee	86	Fruit/Nut	Micro	1.75	L-28	Well	7.9	830	Turbine	Electric	13,30,31	none	87	93	0.06				26.68707	-82.13771	#39241	
Florida Citrus Co	Sec11 Block 68	33920	Lee	87	Citrus	Micro	266.0	L-50	Surface	8.4	420	Centrif	Diesel	6,20,21,33	1450	1780	75	104.60				26.75017	-81.58415	#13485	
West River Grove	all zones	33935	Hendry	88	Citrus	Micro	21.6	H-14	Surface	7.3	475	Centrif	Diesel	6,33,40	360	375	81	5.51		3 qtr 2019		26.71048	-81.54072	#43068	
Pool River Grove	Zone 3	33935	Hendry	89	Citrus	Micro	5.4	H-6	Surface	8.2	270	Centrif	Electric	12,31,33	none	150	92	0.26		3 qtr 2019		26.71507	-81.54193	#43070	
Echo Inc	Zone C East	33917	Lee	90	Container	Micro	0.14	L-36	Well	7.3	715	Turbine	Electric	25,31,33	none	none	86	0.02				26.71823	-81.79003	#39242	
Echo Inc	Abor South	33917	Lee	91	Fruit/Nut	Micro	0.4	L-36	Well	7.4	720	Turbine	Electric	13,33,34	none	none	91	0.03				26.71837	-81.79078	#39243	
Armbrester Nursery	Zone 1	34120	Collier	92	Fruit/Nut	SS	0.42	C-7	Well	7.6	400	Tur/cent	Electric	7,13,20,21,2,24	none	57	77	0.14				26.37260	-81.57432	#5469	
	Corkscrew North	33913	Lee	93	Citrus	Micro	8.2	L-14	Well	7.6	397	Turbine	Diesel	25	Broken	397	97	-0.25				26.50503	-81.60487	#16100674	
	Corkscrew South	33913	Lee	94	Citrus	Micro	34.2	L-49	Well	6.5	345	Turbine	Electric	21,25,33	980	965	88	4.01				26.45008	-81.58815	#16100681	
King Ranch	Nursery Zone 1	33931	Lee	95	Container	Micro	0.3	L-28	Well	7.3	630	Electric	Turbine	13,20,25	94	82	72	0.15				26.68410	-82.45770	#39191	
King Ranch	Field 6	33931	Lee	96	Palms	Micro	8.3	L-11	Well	6.7	950	Electric	Turbine	12,13,20,21,25,31	200	195	5	220.30				26.68533	-82.14599	#39194	
Cooper Out West	River Pump 4	33935	Hendry	97	Citrus	Micro	10.6	H-9	Surface	7.7	328	Diesel	Centrif	12,40	190	190	95	0.00				26.74209	-81.52148	#13584	
Cooper Out West	Ortona Zone 4	33471	Glades	98	Citrus	Micro	24.3	G-14	Surface	7.5	170	Diesel	Turbine	41	1300	1070	89	2.42				26.80623	-81.30767	#13583	
Bonnie Plants Inc	H10 Zone 3	33935	Glades	99	Container	Solid Set	0.02	G-23	Well	7.7	450	Electric	Turbine	13	none	38.5	87	0.00				26.80858	-81.48221	#15900352	
Mobley Plant World	House 16	33935	Hendry	100	Container	Solid Set	0.25	H-6	Well	8.4	550	Electric	Turbine	13	none	none	80	0.07				26.74373	-81.45907	#14501195	
Mobley Plant World	Pine Trees	33935	Hendry	101	Container	Solid Set	0.6	H-6	Well	8.4	550	Electric	Turbine		none	none	81	0.15				26.74128	-81.45911	#14501196	
Aris Horticulture	Range 7	33920	Lee	102	Container	Micro	0.3	L-108	Surface	7.5	310	Electric	Turbine	24	none	none	77	0.10				26.70993	-81.59082	#39503	
Aris Horticulture	Range 9 House 10	33920	Lee	103	Container	Micro	0.9	L-33	Surface	5	1050	Electric	Turbine	30	none	none	97	-0.03				26.71146	-81.62698	#39501	
Sunnygrove Nursery	Zone 2 Oak Trees	33913	Lee	104	Container	Micro	0.9	L-6	Surface	6.7	490	Electric	Turbine	33	none	162	89	0.09				26.48391	-81.71235	#6341	
King Ranch	BP80 South Zone 1	33931	Lee	105	Palms	Micro	5.4	L-11	Well	7.5	585	Electric	Turbine	20,21	160	168	10	67.68				26.68370	-82.13233	#39190	
King Ranch	BP80 North Zone 5	33931	Lee	106	Palms	Micro	5.7	L-6	Well	7.5	585	Electric	Turbine	31	190	200	89	0.57				26.68926	-82.13388	#39193	
JWD Farm Too LLC	Kara Zone 1-3	33905	Lee	107	Container	Micro	1.5	L-13	Well	7.85	690	Electric	Turbine	13	none	98.5	96	-0.02				26.68564	-81.74978	#15900532	
Brooks Tropicals	Overton	33922	Lee	108	Tropical	Micro	8.5	L-11	Well	7.48	1050	Electric	Turbine	13,30,40	broken	193	92	0.41				26.65700	-82.12609	#39219	
Brooks tropicals	Brucker Avocados	33922	Lee	109	Tropical	Micro	6.5	L-11	Well	7.3	610	Electric	Turbine	4,40	110	100	93	0.21				26.65184	-82.13246	#39223	