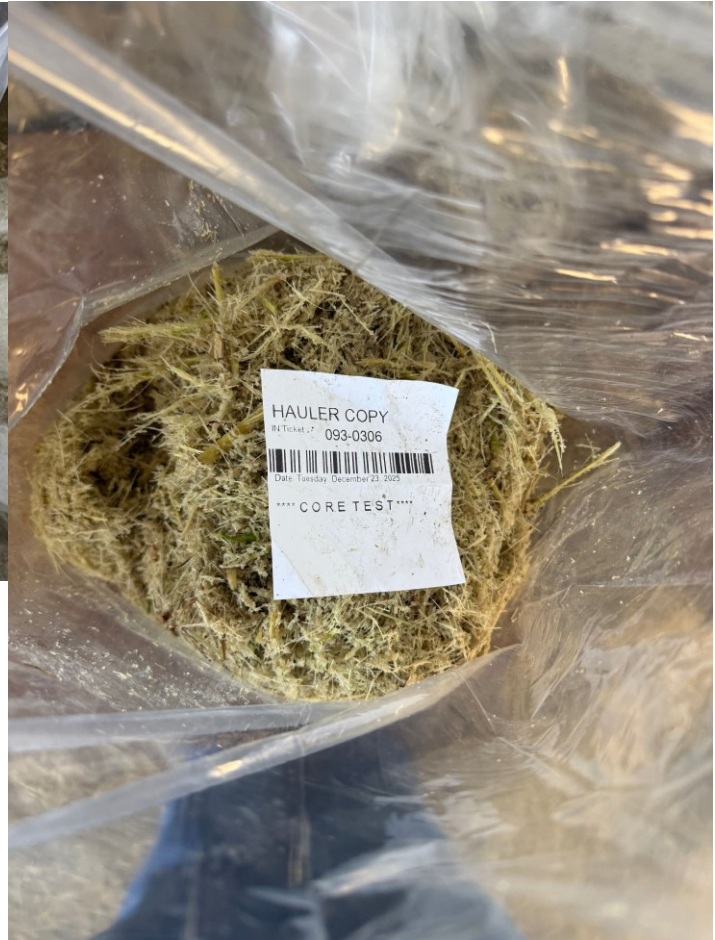


# Core Lab Procedures and Sample Results

## Lance Weber & Craig DeGravelle



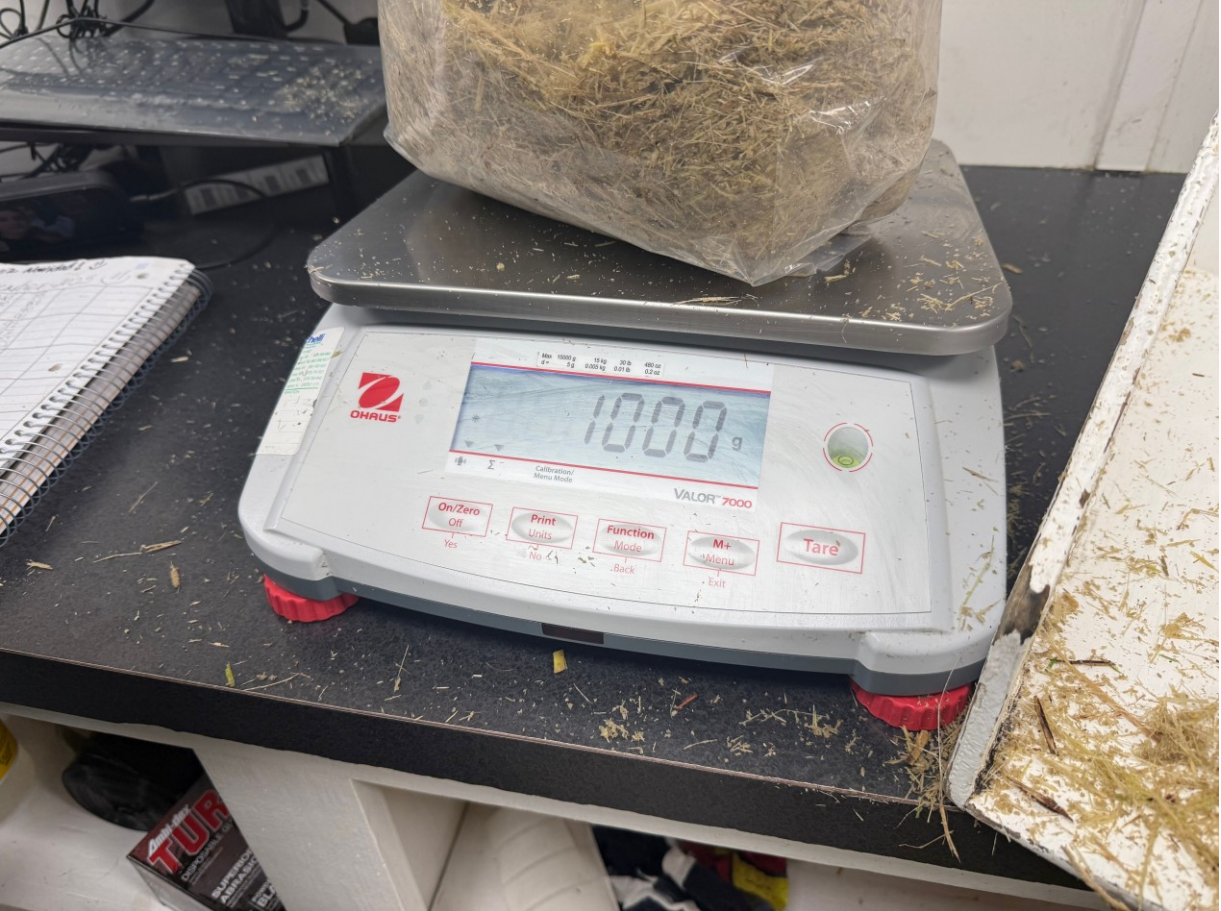
# Truck is Sampled & Sample is Shredded



# Printing Labels for each station



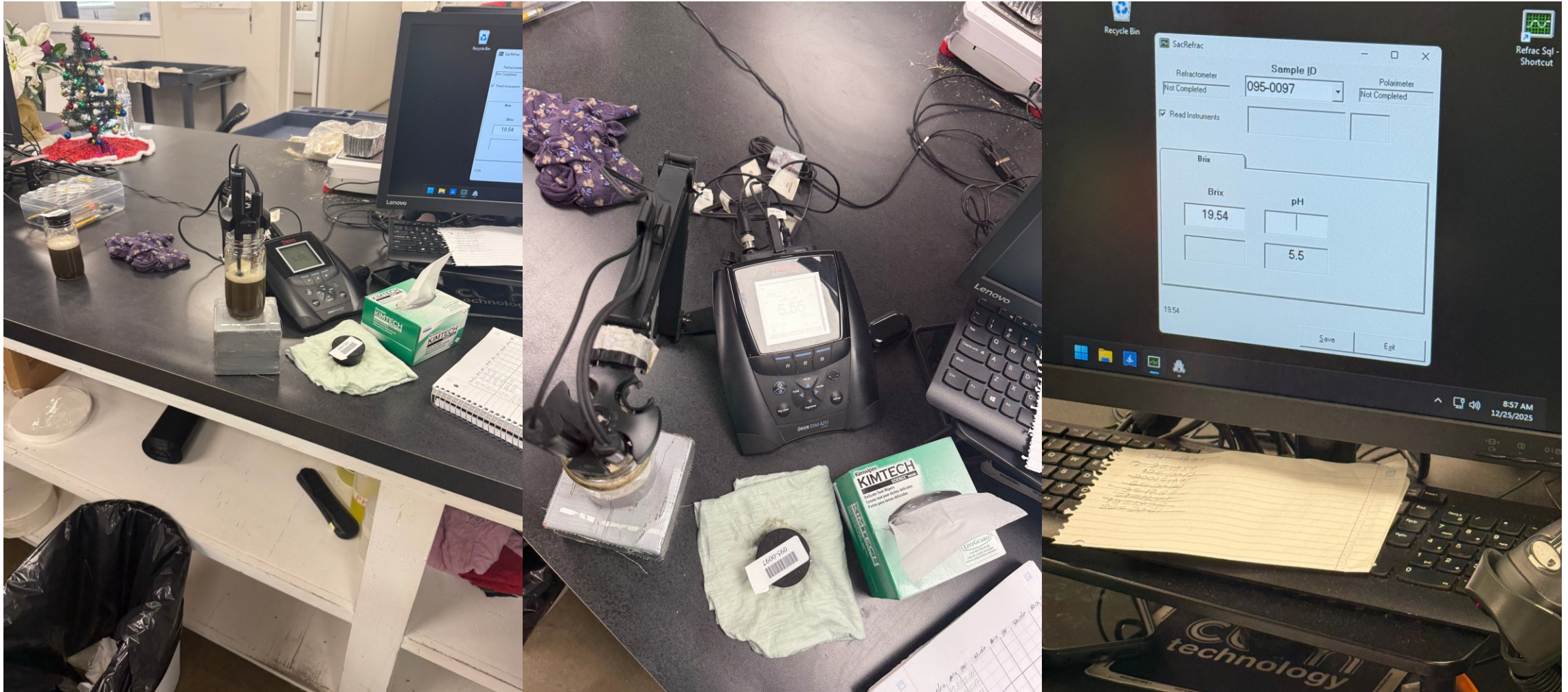
# Weighing 1000 Grams



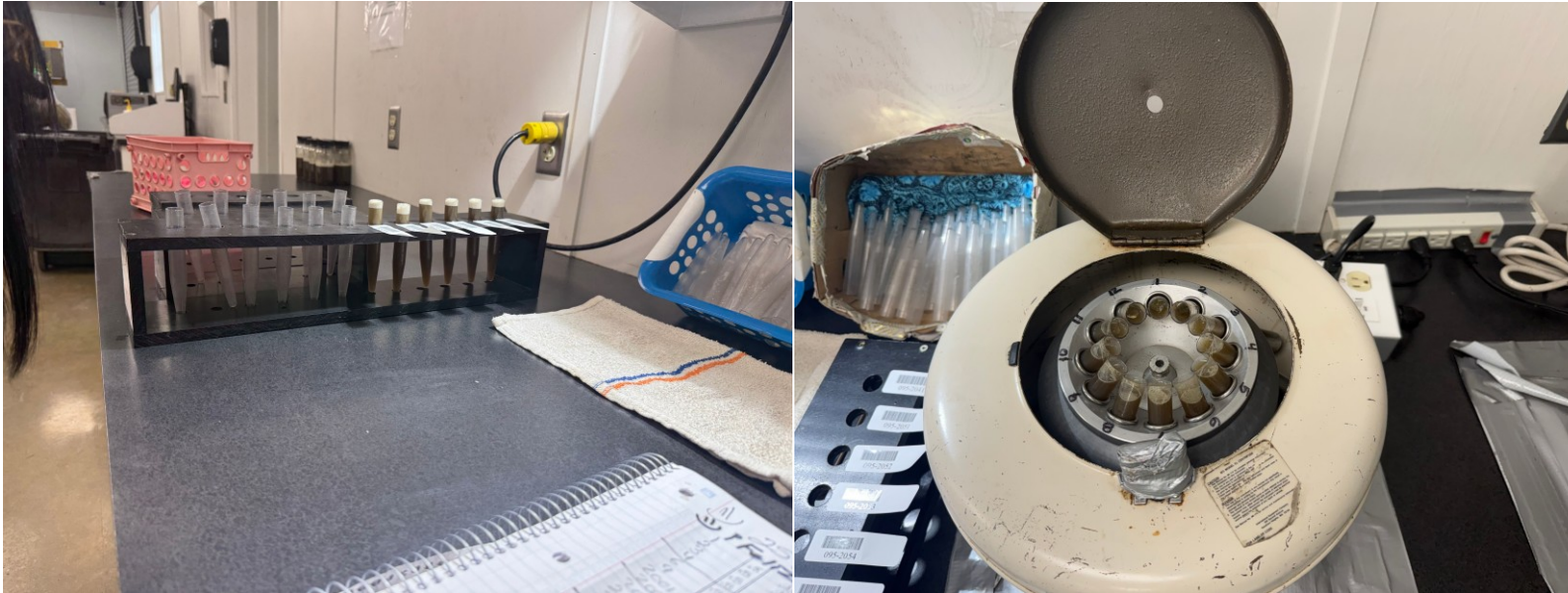
# Sample is Pressed & Juice is Collected



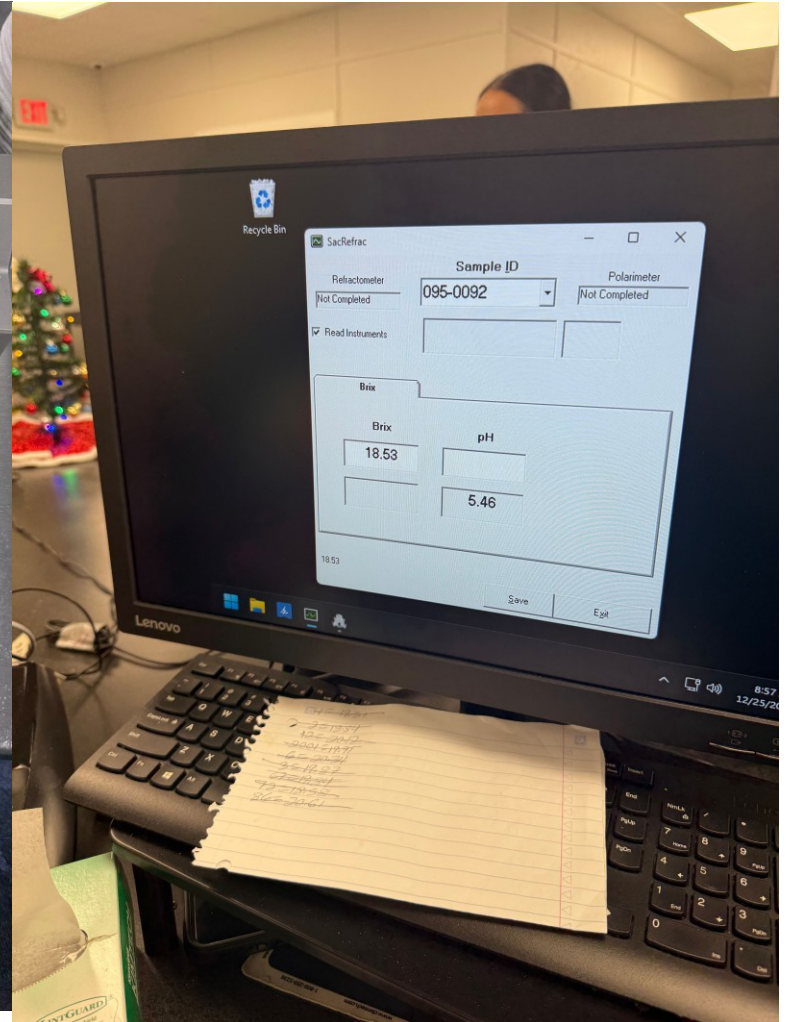
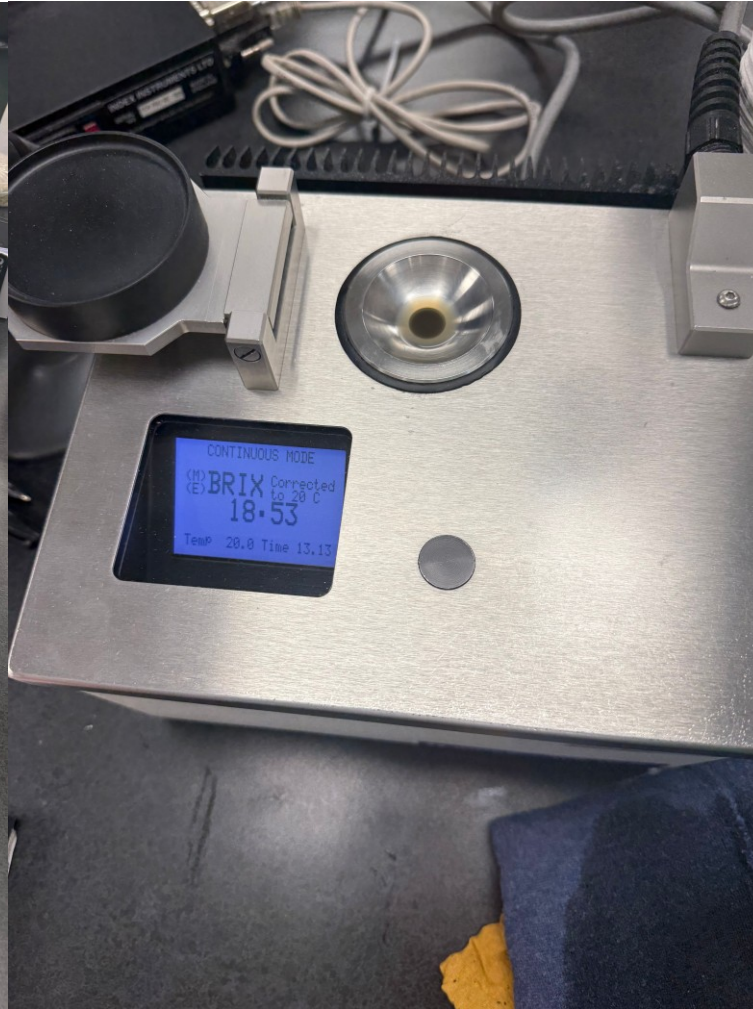
# pH reading is taken



10mL of Juice is placed in cylinders and centrifuged. From there, sediment is measured



# Juice is filtered, brix is read with refractometer

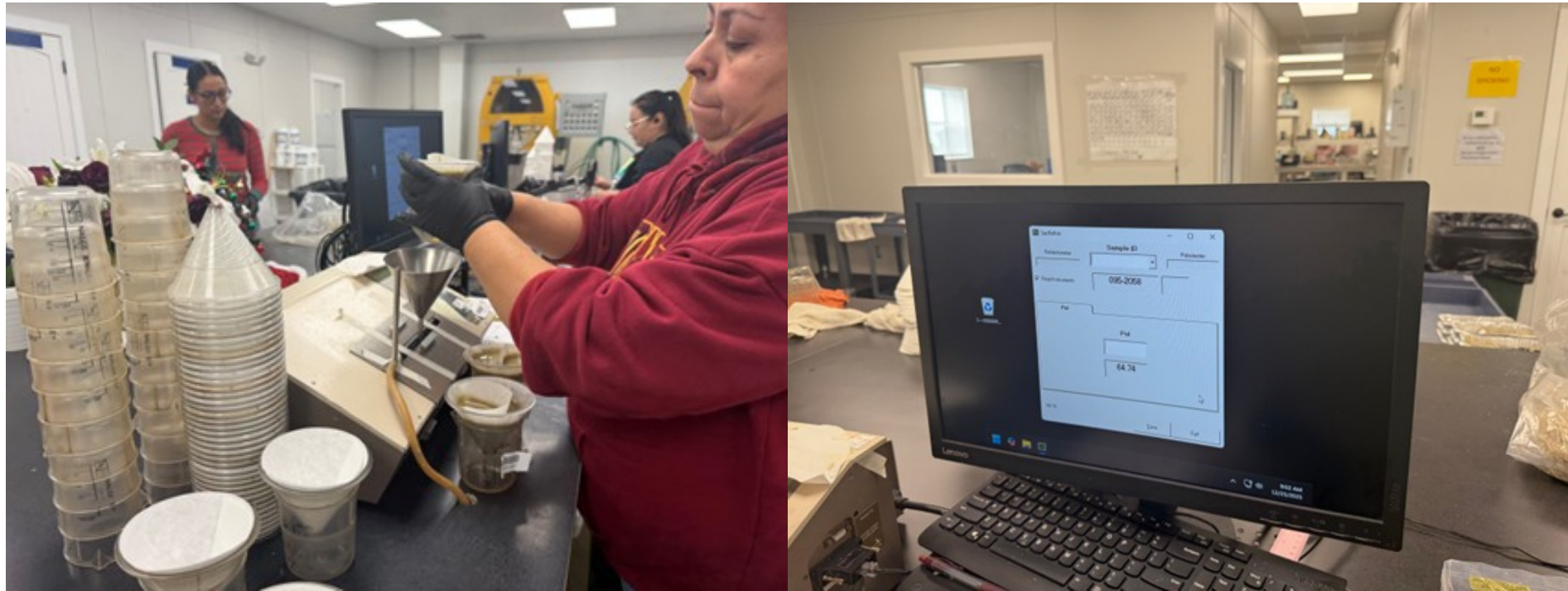


# Brix

- Brix = Measure of total dissolved solids in the juice, indicating maturity and sugar content.
  - Soluble solids primarily consist of sucrose, but may also include other components such as fructose, glucose, and organic acids.
  - A refractometer is used to measure the brix by shining light through the sample and measuring the angle at which it bends.



# Polarimeter is used to read the juice pol



# Pol

- Pol = Percentage of sucrose in sugarcane juice
  - A polarimeter is used in which polarized light is passed through the sugar solution. The sucrose in the solution rotates the light, and the degree of rotation gives you the measure of pol.
- Unlike Brix, which measures all soluble solids, Pol only measures the amount of actual sucrose in the juice.

# Purity

- Purity = The percentage of sucrose present in the total solids content in the juice. It is the ratio of Pol to Brix, determining how much of the dissolved solids is actually sucrose.
  - $\text{Purity} = (\text{Pol}\% / \text{Brix}\%) \times 100$

# 50 Grams of Cake is weighed & dried in ovens



Wet Weight is recorded prior to drying in the ovens.  
Dry weight is recorded after the ovens.  
The difference is used to calculate moisture.

M.A. Patout & Son Limited, LLC

Daily Transaction Report

CROP DAY: 104 01/04/2026

CROP YEAR: 2025

Liquidation Factor %: 100.0000%

Payment Factor %: 63.0000%

Producer No.:

\*\*\* TRACT, SAMPLE ANALYSIS RESULTS \*\*\*

Owner:

Tract #	Ticket#	BAGASSE				JUICE				CANE				SUGAR	
		IP Grams	Corrected Grams	On Cane %	Moist Wt %	POL Read	Brix %	POL %	PURITY %	SED %	BRIX %	POL %	FIBER %	TRS lbs/Ton	CRS lbs/Ton
15668		327.2	327.0	32.3	42.7	76.8	20.8	18.41	88.51	0.700	17.19	14.82	19.48	227.43	227.43
1	104-0001	302.0	302.0	29.3	46.4	77.1	20.9	18.47	88.37	0.700	17.92	15.54	15.87	247.55	247.55
2	104-0019	301.4	301.0	27.9	43.5	76.3	20.5	18.31	89.32	0.700	17.28	15.28	16.53	244.25	244.25
3	104-0039	259.4	259.0	25.3	45.7	77.4	20.7	18.56	89.66	0.700	18.01	15.95	14.07	260.74	260.74
4	104-0089	264.6	265.0	25.7	43.6	71.5	19.6	17.22	87.86	0.700	16.78	14.57	15.38	233.24	233.24
5	104-0136	296.5	297.0	27.3	45.2	72.3	20.0	17.38	86.90	0.700	17.01	14.66	15.61	233.36	233.36
6	104-0188	352.7	353.0	32.8	46.0	76.4	20.8	18.31	88.03	1.300	17.37	14.98	18.15	232.98	232.98
7	104-2019	432.5	433.0	41.3	47.9	73.6	19.8	17.71	89.44	5.300	15.94	13.72	22.51	203.67	203.67
8	104-2123														
**AVERAGE **		317.0	317.0	30.2	45.1	75.2	20.4	18.05	88.48	1.350	17.18	14.93	17.31	234.95	234.95

TRACT NO.: 15668										VEHICLE INFO						
Ticket#		HG	Ct	GROSS WT	TARE	NET	TONS	TOTAL SUGAR LBS	TEST	(Night (Parked (Flagged	Trailer	ID	OCP	PH	Wt	NAME
1	104-0001	20	B	90.140	34.240 *	55.900	27.9500	6,566.9	Y		80	168	4100	Y	16,000	
2	104-0019	20	B	94.060	43.520 *	50.540	25.2700	5,937.2	Y		557	475	4100	Y	16,780	
3	104-0039	20	B	96.260	43.560 *	52.700	26.3500	6,190.9	Y		550	473	4100	Y	16,860	
4	104-0047	20	B	93.960	39.480 *	54.480	27.2400	6,400.0	N		48	158	4100	Y	16,200	
5	104-0089	20	B	88.520	34.080 *	54.440	27.2200	6,395.3	Y		88	168	4100	Y	16,000	
6	104-0116	20	B	99.760	42.000 *	57.760	28.8800	6,785.4	N		515	475	4100	Y	16,780	
7	104-0136	20	B	100.000	44.240	55.760	27.8800	6,550.4	Y		512	473	4100	Y	16,860	
8	104-0188	20	B	100.000	42.960 *	57.040	28.5200	6,700.8	Y		147	173	4100	Y	16,200	
9	104-2019	20	B	96.160	38.880 *	57.280	28.6400	6,729.0	Y		40	DW2	4100	Y	15,380	
10	104-2035	20	B	93.900	38.060 *	55.840	27.9200	6,559.8	N		70	173	4100	Y	16,200	
11	104-2067	20	B	95.860	38.760 *	57.100	28.5500	6,707.8	N		138	160	4100	Y	16,200	
12	104-2123	20	B	93.060	38.660 *	54.400	27.2000	6,390.6	Y		131	152	4100	Y	16,200	
13	104-2133	20	B	95.820	42.620 *	53.200	26.6000	6,249.7	N		558	228	4100	Y	15,660	
14	104-2310	20	B	98.220	43.440	54.780	27.3900	6,435.3	N		547	228	4100	Y	15,660	
TRACT TOTAL:				1,335,720	564,500	771,220	385.6100	90,599.1		57,077.43	(PAYMENT SUGAR LBS)					

\*\*\*\*TRACT\*\*\*\*  
SUMMARY DATA

15668	WEIGHTS				TOTAL SUGAR		CANE				SUGAR		HG
	GROSS WT	TARE	NET	TONS	LBS	PAYMENT SUGAR LBS	Sed. %	BRIX %	POL %	FIBER %	TRS lbs/Ton	CRS lbs/Ton	TONS
TRACT TOTAL:	1,335,720	564,500	771,220	385.6100	90,599.1	57,077.43	1.350	17.18	14.93	17.31	234.95	234.95	385.61
TRACT YTD:	6,021,500	2,628,720	3,392,780	1,696.3900	378,037.0	238,163.31	1.087	16.94	14.41	18.48	222.85	222.85	

Daily Transaction Report

CROP DAY: 104 01/04/2026

CROP YEAR: 2025

Producer No.: [REDACTED]

Liquidation Factor %: 100.0000%

Payment Factor %: 63.0000%

	WEIGHTS				CANE				SUGAR			
	GROSS WT	TARE WT	NET WT	TONS	TOTAL SUGAR LBS	PAYMENT SUGAR LBS	Sed. %	BRIX %	POL %	FIBER %	TRS lbs/Ton	CRS lbs/Ton
Farmer Total:	5,384,800	2,246,860	3,137,940	1,568.9700	370,043.2	233,127.22	1.746	17.18	14.95	17.15	235.85	235.85
Farmer YTD:	416,714,520	173,486,320	243,228,200	121,614.1000	27,080,631.9	17,060,798.10	1.200	16.96	14.38	18.24	222.68	222.68
N												
MILL TOTALS:	78,609,900	32,571,120	46,038,780	23,019.3900	5,007,486.2	3,154,716.31	0.967	16.27	14.04	18.52	217.53	217.53
MILL Y-T-D:	7,641,760,780	3,159,924,920	4,481,835,860	2,240,917.9400	492,902,265.7	310,528,427.39	1.127	16.75	14.19	17.98	219.96	219.96

	FARMER			MILL		HG-Farmer TONS	FARMER Variance From Mill Average				
	LOADS	AVG/TONS		LOADS	AVG/TONS		Sed.	BRIX	POL	FIBER	
TODAY	57	27.5258		871	26.4287	1,568.97	0.008	0.90	0.92	-1.36	Variance Today
YTD	4,522	26.8939	0.00	84,603	26.4875		0.001	0.21	0.19	0.26	Variance Y-T-D
							Negative	Positive	Positive	Negative	TARGET

Raceland Raw Sugar, LLC  
 Daily TRS (Low to High) Ranking Report - Crop Year 2025

Crop Day: 104

TODAY		YTD			
Rank	Sed	Fiber	TRS	Tons	
1	0.612	17.90	206.75	13,800.81	
2	0.540	16.87	208.31	4,250.04	
3	0.625	18.18	213.45	9,635.52	
4	0.634	17.90	213.47	83,460.62	
5	0.601	18.03	216.79	89,513.75	
6	0.558	17.45	216.86	16,148.36	
7	0.597	17.50	217.00	10,315.13	
8	0.888	16.57	217.67	1,862.96	
9	0.586	17.32	217.79	9,426.26	
10	0.590	17.68	218.16	70,883.22	
11	0.587	17.95	218.19	46,098.02	
12	0.559	18.12	218.61	1,748.84	
13	0.621	17.53	218.75	26,141.85	
14	0.578	17.27	219.31	49,574.14	
15	0.592	17.49	219.63	208,577.38	
16	0.568	17.55	219.73	21,095.07	
17	0.607	17.61	219.91	100,389.32	
18	0.574	17.23	221.44	86,523.02	
19	0.559	18.55	221.85	4,449.21	
20	0.594	17.38	222.19	24,184.50	
21	0.568	17.31	222.27	114,909.06	
22	0.622	18.02	222.39	22,162.98	
23	0.557	17.49	222.97	52,894.53	
24	0.556	17.91	223.17	18,045.28	
25	0.512	17.76	223.71	18,602.39	
26	0.621	17.76	223.86	99,820.61	
27	0.557	17.26	224.05	16,854.55	
28	0.559	17.15	224.60	4,855.54	
29	0.560	17.31	225.78	27,887.85	
30	0.524	17.36	225.93	2,399.29	
31	0.590	17.46	226.24	39,665.30	
32	0.662	17.01	228.20	96,915.02	
33	0.591	17.40	228.36	107,990.30	
34	0.706	17.79	228.64	2,199.79	
35	0.575	16.99	229.37	51,023.06	
36	0.566	16.75	231.20	27,997.21	
37	0.571	16.69	232.68	57,021.89	
38	0.581	16.62	234.78	19,533.87	
39	0.551	15.97	234.97	46,592.67	
40	0.511	16.45	234.99	4,357.99	
41	0.538	16.54	235.41	27,417.74	
42	0.500	14.79	262.18	1,212.68	

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YTD Mill Averages & Tons:	<u>Sed</u>	<u>Fiber</u>	<u>TRS</u>	<u>Tons</u>
	0.591	17.41	222.78	1,738,437.61

Raceland Raw Sugar, LLC  
 Daily Fiber (Low to High) Ranking Report - Crop Year 2025

Crop Day: 104

TODAY		YTD			
Rank	Sed	Fiber	TRS	Tons	
1	0.500	14.79	262.18	1,212.68	
2	0.551	15.97	234.97	46,592.67	
3	0.511	16.45	234.99	4,357.99	
4	0.538	16.54	235.41	27,417.74	
5	0.888	16.57	217.67	1,862.96	
6	0.581	16.62	234.78	19,533.87	
7	0.571	16.69	232.68	57,021.89	
8	0.566	16.75	231.20	27,997.21	
9	0.540	16.87	208.31	4,250.04	
10	0.575	16.99	229.37	51,023.06	
11	0.662	17.01	228.20	96,915.02	
12	0.559	17.15	224.60	4,855.54	
13	0.574	17.23	221.44	86,523.02	
14	0.557	17.26	224.05	16,854.55	
15	0.578	17.27	219.31	49,574.14	
16	0.560	17.31	225.78	27,887.85	
17	0.568	17.31	222.27	114,909.06	
18	0.586	17.32	217.79	9,426.26	
19	0.524	17.36	225.93	2,399.29	
20	0.594	17.38	222.19	24,184.50	
21	0.591	17.40	228.36	107,990.30	
22	0.558	17.45	216.86	16,148.36	
23	0.590	17.46	226.24	39,665.30	
24	0.557	17.49	222.97	52,894.53	
25	0.592	17.49	219.63	208,577.38	
26	0.597	17.50	217.00	10,315.13	
27	0.621	17.53	218.75	26,141.85	
28	0.568	17.55	219.73	21,095.07	
29	0.607	17.61	219.91	100,389.32	
30	0.590	17.68	218.16	70,883.22	
31	0.621	17.76	223.86	99,820.61	
32	0.512	17.76	223.71	18,602.39	
33	0.706	17.79	228.64	2,199.79	
34	0.612	17.90	206.75	13,800.81	
35	0.634	17.90	213.47	83,460.62	
36	0.556	17.91	223.17	18,045.28	
37	0.587	17.95	218.19	46,098.02	
38	0.622	18.02	222.39	22,162.98	
39	0.601	18.03	216.79	89,513.75	
40	0.559	18.12	218.61	1,748.84	
41	0.625	18.18	213.45	9,635.52	
42	0.559	18.55	221.85	4,449.21	

YTD Mill Averages & Tons:      Sed      Fiber      TRS      Tons  
 0.591      17.41      222.78      1,738,437.61

# Questions?

