

LOUISIANA SUGARCANE VARIETY DEVELOPMENT PROGRAM OUTFIELD VARIETY TRIALS

The outfield variety trials are the final stage of testing of experimental varieties for their potential commercial production in Louisiana. Results from these trials are used in both variety advancement and crossing decisions. The outfield variety trials are cooperatively conducted at 12 locations throughout the Louisiana sugarcane belt by the LSU AgCenter, the USDA-ARS, and the American Sugar Cane League. adfasdfasdfa

The experimental design at each outfield location was a randomized complete block design with three replications per location. Test plots were two rows wide and 50 feet long with a 5-foot alley between plots. All locations were harvested with a combine harvester and each plot was weighed with a weigh wagon fitted with load cells mounted on each axle and hitch. Cane yield (tons/acre) for each plot was estimated from the plot weight, less 14% to adjust for leaf-trash weight and 10% for harvester efficiency. A hand-cut 10-stalk, not stripped of leaves, was taken from each plot and sent to the USDA-ARS sucrose laboratory for analyses. The samples were weighed to determine stalk weight (lbs/stalk), milled, and the juice analyzed for Brix and pol. Brix and pol values were used to estimate pounds of theoretical recoverable sugar per ton of cane (lbs/ton). Stalk number (stalks/acre) was calculated by dividing adjusted cane yield by stalk weight.

The most widely grown variety for that crop year is highlighted in gray and served as a standard for variety comparisons. To adjust for missing data, the SAS analysis calculated least square means (Proc Mixed). Mean separation used least square mean probability differences ($P=0.05$). Varieties that are significantly higher or lower than the check variety were denoted by a plus (+) or minus (-), respectively, next to the value for each trait.

Data were obtained through a cooperative effort of personnel from the LSU AgCenter, USDA-ARS, Sugarcane Research Laboratory, and the American Sugar Cane League in accordance to the provisions of the “Three-way Agreement” Outfield testing would not be possible without the full cooperation of the growers at each outfield location.

2011

Plantcane means from ten outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary and R. Hebert.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	9705	33.6	289	2.37	28182
L99-226	9665	32.5	296	2.64 +	24943 -
L99-233	8454	31.4	270 -	1.90 -	33755 +
HoCP00-950	8986	29.7	304 +	1.96 -	30553
L01-283	8856	29.7	297	2.01 -	29272
L01-299	8973	31.5	283 -	2.04 -	31248 +
L03-371	9590	31.8	302 +	2.11 -	30706
HoCP04-838	9457	33.3	284	2.03 -	33276 +
Ho05-961	9274	31.9	292	2.14 -	30180
Ho07-613	9347	32.4	289	2.25	28935

First-stubble means from eleven outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	8695	29.3	298	2.12	28413
L99-226	9616 +	31.0	308 +	2.39 +	26602
L99-233	7678 -	27.6	279 -	1.69 -	33091 +
HoCP00-950	7934	25.6 -	313 +	1.78 -	29316
L01-283	9128	30.2	303	1.85 -	33105 +
L03-371	8952	29.2	307 +	2.01	29062
HoCP04-838	8203	28.0	294	1.83 -	30977
Ho05-961	7924	26.7	298	1.92 -	28424

Second-stubble means from eleven outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	7026	25.7	280	1.73	29924
L99-226	7828 +	27.2	292 +	2.04 +	26766
L99-233	6809	26.1	263 -	1.49 -	35166 +
HoCP00-950	6802	22.9 -	300 +	1.59 -	29490
L01-283	8184 +	28.8 +	287	1.55 -	37429 +
L03-371	7425	26.1	288	1.69	31031
HoCP04-838	7242	26.0	281	1.58 -	33245 +
Ho05-961	6780	23.5 -	290 +	1.52 -	31036

Third-stubble means from six outfield locations: Bon Secour, Brunswick, Glenwood, Lanaux, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	5518	21.5	256	1.38 -	32187 +
Ho95-988	5912	22.5	263	1.52	29792 +
HoCP96-540	5295	20.4	260	1.68	24500
L97-128	6274 +	23.6 +	265	1.64	29211 +
L99-226	6672 +	24.1 +	276 +	1.94 +	25330
L99-233	6556 +	26.4 +	249	1.46 -	37237 +
HoCP00-950	6650 +	22.7	297 +	1.50 -	30465 +
L01-283	8258 +	28.8 +	287 +	1.47 -	39714 +
L01-299	8045 +	29.3 +	275	1.55	38559 +
L03-371	6604 +	24.2 +	272	1.70	28679
HoCP04-838	5482	21.0	261	1.55	27590

2010

Plantcane means from eleven outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	8253	30.1	273	2.85	21483
L99-226	8745	30.0	292 +	2.96	20755
L99-233	8618	32.0	270	2.23 -	28983 +
HoCP00-950	8545	28.4	302 +	2.37 -	24400 +
L01-283	7806	27.4 -	286 +	2.31 -	24124 +
L03-371	9009	30.9	293 +	2.58 -	24264 +
HoCP04-838	8059	29.9	271	2.31 -	26237 +
Ho05-961	7913	28.1	283 +	2.30 -	25001 +

First-stubble means from ten outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	7707	28.1	273	2.32	24531
L97-128	9579 +	31.7 +	301 +	2.69 +	23875
L99-226	8263	30.9 +	267	1.89 -	33013 +
L99-233	7911	26.0	304 +	1.99 -	26419
HoCP00-950	8951 +	30.4	295 +	2.07 -	29441 +
L01-283	9086 +	31.1 +	291 +	2.19	28901 +
L01-299	8169	29.6	274	2.07 -	28755 +
L03-371	8592 +	28.9	297 +	1.96 -	29396 +
HoCP04-838	7707	28.1	273	2.32	24531
Ho05-961	9579 +	31.7 +	301 +	2.69 +	23875

Second-stubble means from eleven outfield locations: Allains, Alma, Landry, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	5813	23.7	248	1.63 -	29593
Ho95-988	6456 +	25.9	248	1.80	29208
HoCP96-540	5635	23.6	242	1.82	26492
L97-128	6532 +	24.6	270 +	1.88	25959
L99-226	7270 +	27.1 +	270 +	2.16 +	25606
L99-233	6302 +	26.9 +	238	1.60 -	33788 +
HoCP00-950	6407 +	23.1	281 +	1.67 -	28041
L01-283	7509 +	28.6 +	268 +	1.57 -	36779 +
L01-299	7511 +	29.6 +	258 +	1.57 -	37803 +
L03-371	7024 +	26.9 +	262 +	1.91	28398
HoCP04-838	6130	24.7	255 +	1.67 -	30038 +

Third-stubble means from four outfield locations in 2010: Alma, Bon Secour, Glenwood, and Lanaux.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	4561	20.0	229	1.61	25100
Ho95-988	5732 +	23.2 +	246	1.74	26589 +
HoCP96-540	3842	16.8	229	1.78	18626
L97-128	5798 +	22.0 +	262 +	1.74	25251
L99-226	6061 +	24.4 +	250 +	2.17 +	22571
L99-233	4992 +	22.1 +	226	1.61	27694 +
HoCP00-950	5844 +	21.0	278 +	1.68	25712
L01-283	6648 +	25.2 +	264 +	1.61	32131 +
L01-299	6377 +	26.1 +	246	1.54 -	35302 +
L03-371	5921 +	24.0 +	246	1.82	26620 +

2009

Plantcane means from eleven outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
HoCP96-540	9735	36.2	270	2.65	27947
L99-226	10325	35.6	290+	3.08+	23370-
L99-233	11829+	42.3+	281+	2.17-	39926+
HoCP00-950	11251+	37.6	299+	2.42-	31554+
L01-283	10762+	38.0+	284+	2.23-	34708+
L03-371	11300+	39.2+	289+	2.52	31608+
HoCP04-838	11698+	42.6+	275	2.43-	35606+
HoCP05-902	10104	33.5-	303+	2.18-	30924+
Ho05-961	11233+	39.3+	286+	2.56	31416+

First-stubble means from eleven outfield locations: Allains, Alma, Brunswick, Bon Secour, F. Martin, Glenwood, Lanaux, Magnolia, Mary, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6988-	27.2-	258	1.68-	33047+
Ho95-988	8478	32.0	265+	2.11-	30845
HoCP96-540	8379	32.8	255	2.27	29273
L97-128	8349	30.8	270+	2.29	27078
L99-226	8829	31.4	282+	2.52+	25280-
L99-233	8715	33.1	263	1.84-	36345+
HoCP00-950	9112+	30.7	297+	1.84-	33268+
L01-283	9468+	33.9	278+	1.81-	38063+
L01-299	9901+	37.9+	262	1.92-	39767+
L03-371	8792	32.4	272+	2.20	29669
HoCP04-838	8932	34.2	261	1.97-	35074+

Second-stubble means from seven outfield locations: Allains, Alma, Bon Secour, Glenwood, Lanaux, R. Hebert and Magnolia.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6322	25.7-	251	1.64	31615
Ho95-988	7331	28.5	261+	1.97	28996
HoCP96-540	6860	29.1	244	1.81	33243
L97-128	7488	27.8	274+	1.98	27897-
L99-226	7194	27.0	271+	2.12+	26225-
L99-233	7578	30.1	258+	1.69	36666
HoCP00-950	7422	26.8	282+	1.73	31045
L01-283	8601+	32.7+	267+	1.73	38393+
L01-299	8570+	34.1+	257+	1.75	40009+
L03-371	8026+	30.8	266+	1.89	33218

Third-stubble means from three outfield locations: Alma, Bon Secour and Lanaux.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	5782-	20.7-	279	1.49-	28115
Ho95-988	6248	22.6	275	1.71-	26550
HoCP96-540	7303	27.0	275	2.24	24248
L97-128	7532	27.4	281	2.08	26573
L99-226	7565	24.9	306+	2.31	21646
L99-233	7856	29.5	269	1.64-	36518+
HoCP00-950	8252	28.1	296+	1.71-	33796+
L01-283	8059	28.8	284	1.66-	35414+
L01-299	9717+	33.7+	293+	1.97	35336+

2008

Plantcane means from nine outfield locations: Allains, Alma, Brunswick, Bon Secour, Glenwood, Lanaux, Magnolia, R. Hebert and St. John.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6459-	22.6-	285	1.97-	23389
Ho95-988	7060-	25.7-	274-	2.18-	23876
HoCP96-540	9081	31.7	285	2.67	24145
L97-128	8265-	29.5	280	2.58	23034
L99-226	9222	31.2	296+	2.86+	22123
L99-233	8645	32.0	270-	2.03-	32148+
HoCP00-950	8738	29.3	300+	2.15-	27629+
L01-283	8831	30.6	289	2.27-	27535+
L03-371	9223	30.7	299+	2.44-	25234
HoCP04-838	8959	31.8	281	2.26-	28540+

First-stubble means from eight outfield locations: Allains, Alma, Magnolia, Landry, Bon Secour, Glenwood, Lanaux, and R. Hebert.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6160-	21.6-	285	1.59-	28227
Ho95-988	7131-	25.0-	286	1.99	25532
HoCP96-540	8422	29.0	291	2.05	29075
L97-128	7433-	25.7-	289	2.10	24359-
L99-226	8592	28.4	303+	2.55+	22818-
L99-233	7864	27.9	283	1.69-	33668+
HoCP00-950	8061	26.5	306+	1.85-	28796
L01-283	8227	28.0	296	1.77-	31811
L03-371	8326	28.0	297	2.07	27318

Second-stubble means from five outfield locations: Alma, Bon Secour, Lanaux, R. Hebert and Magnolia.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6524	23.0	282	1.43-	33142
Ho95-988	6830	24.1	282	1.64-	29756
HoCP96-540	7660	26.9	285	1.90	28882
L97-128	7559	26.7	284	1.99	26668
L99-226	7933	26.5	301+	2.21+	23966
L99-233	8413	30.4	277	1.63-	38155+
HoCP00-950	7861	26.4	300+	1.64-	32648
L01-283	7874	27.5	287	1.70	33067

Third-stubble means from two outfield locations: Bon Secour and Glenwood.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	5902	20.5	289	1.35-	30436
HoCP91-555	6430	21.7	297	1.32-	33552+
Ho95-988	6424	22.6	283	1.52	29955
HoCP96-540	5243	18.1	288	1.65	22304
L97-128	7439+	24.7+	300	1.82	27868
L99-226	8186+	26.6+	308	2.06+	25836
L99-233	8191+	29.1+	282	1.48	39659+
HoCP00-950	8014+	25.3+	317	1.64	31190+
L01-283	8694+	27.7+	313	1.43	39131+
L01-299	9088+	31.1+	291	1.59	39547+

2007

Plantcane means from seven outfield locations: Allains, Alma, Landry, Bon Secour, Glenwood, Lanaux, and R. Hebert.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7655-	27.8-	273	1.91-	30196
CP89-2143	8680-	33.8-	256	2.82+	25160-
Ho95-988	9724	35.4-	274	2.44	29307
HoCP96-540	10489	39.3	266	2.46	33098
L97-128	10180	37.4	270	2.50	30035
L99-226	10728	37.6	284+	3.02+	25417-
L99-233	9781	39.0	249-	1.96-	41341+
HoCP00-950	11015	37.9	290+	2.40	32094
L01-283	11128	40.0	276	2.27	36476
L01-299	9965	37.1	267	2.19-	35596
L03-371	10388	37.0	281+	2.35	32263

First-stubble means from seven outfield locations: Alma, Magnolia, Landry, Bon Secour, Glenwood, Lanaux, and R. Hebert.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	8597	29.7-	288	1.89-	32375
CP89-2143	8448-	30.9	273-	2.72+	23155-
Ho95-988	9669	33.5	288	2.34	28879
HoCP96-540	9539	33.6	284	2.31	29961
L97-128	9271	32.4	286	2.45	26765
L99-226	10462	34.2	305+	2.83+	24690-
L99-233	9417	33.5	281	1.88-	36682+
HoCP00-950	9642	31.0	311+	2.24	27802
L01-283	10195	34.5	296+	2.01-	35163+
L01-299	10152	35.6	286	2.00-	36404+

Second-stubble means from six outfield locations: Allains, Bon Secour, Glenwood, Lanaux, R. Hebert and Levert St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6257	25.2	249	1.56-	33649
HoCP91-555	7506+	28.6	263+	1.73	33344
Ho95-988	7716+	29.2	264+	2.04+	28936
HoCP96-540	6617	27.7	238	1.82	30571
L97-128	6966	26.9	259+	1.93	28304
L99-226	7957+	29.2	272+	2.37+	25304-
L99-233	7691+	31.6+	239	1.62-	39677+
HoCP00-950	8688+	30.3	286+	1.94	31812
L01-283	8391+	31.0	270+	1.71	36697+
L01-299	8513+	33.9+	251+	1.74	39542+

Third-stubble means from two outfield locations: Bon Secour and Lanaux farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6241	25.7	242	1.55	33326
HoCP91-555	7659	28.8	265	1.68	34360
HoCP96-540	7774	30.8	252	1.73	36362
L97-128	7541	27.8	272	1.83	30294
L99-226	8002	29.2	275	2.03+	29474-
L99-233	7878	32.2	245	1.58	41086
HoCP00-950	8964	30.2	296+	1.68	35962

2006

Plantcane means from seven outfield locations: Allains, Alma, Bon Secour, Glenwood, Lanaux, Magnolia, and R. Hebert farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	8121 -	30.2-	268	1.93-	31533
CP89-2143	8560 -	34.3-	251-	2.51	28389
Ho95-988	9809	36.7	267	2.29	32904
HoCP96-540	10559	38.8	273	2.50	32070
L97-128	10009	38.5	260	2.47	31948
L99-226	11148	39.0	286	2.70	30077
L99-233	10340	38.9	264	1.93-	41074+
HoCP00-950	10767	37.0	291+	2.18-	34687
L01-283	9974	36.7	271	2.09-	36104
L01-299	10119	36.6	276	2.25	33062
HoCP02-623	9639 -	35.4-	273	2.06-	34933

First-stubble means from six outfield locations: Allains, Glenwood, Lanaux, Magnolia, R. Hebert and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7381 -	27.2-	270	1.73-	31717
HoCP91-555	8092	29.3	276	1.82-	32291
Ho95-988	8667	31.8	272	2.17	29450
HoCP96-540	8721	31.7	276	2.21	28831
L97-128	8249	30.3	272	2.26	26904
L99-226	10378+	34.6	300+	2.58+	26925
L99-233	8754	32.2	271	1.77-	37111+
HoCP00-950	8746	30.0	291+	1.91-	31541
L01-283	10207+	35.7+	286	1.97-	36289+
L01-299	10049+	37.6+	265	1.91-	39524+

Second-stubble means from five outfield locations: Bon Secour, Glenwood, Lanaux, R. Hebert and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7429-	28.3	263	1.64-	35954
HoCP91-555	8040	30.4	266	1.67-	37413
HoCP96-540	9074	33.0	273	2.06	32835
L97-128	9151	32.3	284	2.13	30516
L99-226	9417	31.9	297+	2.15	31265
L99-233	9041	32.7	276	1.75-	37790
HoCP00-950	9959	33.9	294+	1.93	35931

Third-stubble means from three outfield locations: Bon Secour, Glenwood and Lanaux farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7761	31.1	249	1.55-	40268+
HoCP85-845	8632	34.3	250	1.89-	37679
HoCP91-555	8031	30.3	265+	1.72-	35603
HoCP96-540	8464	34.3	247	2.26	30720
L97-128	9654	37.8	256	2.29	33580
L99-226	8741	31.5	277+	2.39	26485
L99-233	9634	38.2	253	1.76-	44790+

2005

Plantcane means from nine outfield locations: Allains, BonSecour, Georgia, Glenwood, Lanaux, Landry, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7029	25.8	271	1.65	31486
HoCP91-555	8208+	29.8+	274	1.80	33643
HoCP95-988	8379+	31.0+	270	2.17+	28736
HoCP96-540	9054+	31.6+	286+	2.08+	30653
L97-128	7718	28.7+	268	2.21+	26225-
L99-226	9750+	32.4+	299+	2.50+	26066-
L99-233	8709+	32.4+	268	1.75	37431+
HoCP00-950	8694+	29.4+	295+	1.91+	30957
L01-283	9083+	31.7+	285+	1.94+	32993
L01-299	7891+	29.9+	263	1.94+	31239
HoCP01-523	8766+	31.1+	281	2.05+	30745
HoCP01-564	8629+	29.3+	294+	1.73	34295+

First-stubble means from nine outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Landry, Magnolia, R. Hebert and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6874	25.6	270	1.45	35869
HoCP91-555	8018+	28.2+	283+	1.69+	33949
HoCP96-540	8292+	28.9+	286+	1.87+	31649-
L97-128	7681+	28.0+	273	1.94+	29316-
L99-226	8929+	30.3+	294+	2.26+	27381-
L99-233	7807+	28.8+	271	1.55	38308
HoCP00-950	8474+	28.1+	301+	1.71+	33483

Second-stubble means from seven outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, and R. Hebert farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6067	22.3	272	1.38	32493
HoCP85-845	6203	23.1	265	1.53	29301
HoCP91-555	5970	21.8	273	1.38	30974
HoCP96-540	6614	24.4	271	1.69+	28695
L97-128	6893+	25.3+	271	1.68+	29811
L99-226	7976+	26.2+	301+	1.98+	26646-
L99-233	7441+	27.8+	265	1.39	39774+

Third-stubble means from two outfield locations: Bon Secour, and Lanaux farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	5365	21.0	257	1.32	32334
HoCP85-845	6105	22.6	271	1.60+	28679
HoCP91-555	6080	22.3	276	1.36	32763
HoCP96-540	6439+	23.4	278	1.84+	26305
L97-128	6267	23.1	273	1.74+	26612-

2004

Plantcane means from nine outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Landry, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	7200	26.6	272	1.86	29170
HOC91-555	8588 +	29.8 +	287 +	2.09 +	29222
HOC96-540	9000 +	32.0 +	281	2.46 +	26440
L97-128	8528 +	28.6	297 +	2.39 +	23889 -
L99-226	9538 +	32.5 +	294 +	2.86 +	22973 -
L99-233	8814 +	31.0 +	283 +	1.91	32955 +
L00-266	7573	27.5	275	1.95	28776
HOC90-950	9490 +	31.0 +	307 +	2.13 +	29211

First-stubble means from eight outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
LCP85-384	6588	23.9	277	1.59	29916
HOC85-845	6941	25.8	270	1.83 +	28019
HOC91-555	7598 +	26.3 +	288 +	1.77 +	29832
HOC96-540	7571 +	27.8 +	275	2.00 +	27590
L97-128	7487 +	25.8	292 +	2.01 +	25637 -
L99-226	8396 +	27.6 +	304 +	2.28 +	24196 -
L99-233	7866 +	27.7 +	285	1.64	33973 +

Second-stubble means from nine outfield locations: Allains, Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre (lbs/A)	Cane Yield (tons/A)	Sugar per Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
TucCP77-042	6873	27.1 +	255 -	1.87 +	28958
LCP85-384	6207	21.9	287	1.44	31050
HOC85-845	6284	23.3	271 -	1.70 +	28219
HOC91-555	6061	21.7	283	1.55	28176
HOC96-540	6288	23.0	277 -	1.77 +	26229 -
L97-128	7076 +	24.2	295	1.86 +	25918 -

Third-stubble means from three outfield locations: Allains, Bon Secour, and R. Hebert farms.

Variety	Sugar / Acre (lbs/A)	Cane Yield (tons/A)	Sugar / Ton (lbs/ton)	Stalk Weight (lbs)	Stalk Number (stalks/A)
CP70-321	3484 -	13.7 -	256 -	1.59	18671 -
LCP85-384	5111	18.2	282	1.33	27446
HOC85-845	5355	19.5	274	1.50	26211
HOC91-555	5920	20.7	289	1.47	28224
HOC96-540	6141 +	21.5 +	287	1.58	27617
L97-128	5858	19.2	305 +	1.56	25002

2003

Plantcane means from eight outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
LCP85-384	7782	28.5	273	2.17	27264
HOCP85-845	7423	30.2	248 -	2.26	26911
HOCP91-555	7660	27.6	278	2.11	26994
HOCP96-540	8469 +	31.3 +	271	2.72 +	24434
L97-128	8402	30.9	274	2.47 +	25319
L98-209	8070	28.7	282	2.67 +	22007 -
L99-226	9154 +	31.4 +	292 +	2.93 +	22843 -
L99-233	8405	31.7 +	267	2.01	33165 +

First-stubble means from nine outfield locations: Allains, Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
TucCP77-042	8082	32.6 +	248 -	2.30 +	28646
LCP85-384	7920	28.7	276	1.89	31347
HOCP85-845	7412	28.5	261 -	2.05 +	28292 -
HOCP91-555	7157 -	25.5 -	281	1.93	27297 -
HOCP96-540	7455	27.3	272	2.21 +	25039 -
L97-128	7985	27.8	288 +	2.21 +	25122 -
L98-209	8254	28.9	286 +	2.09 +	28318 -

Second-stubble means from eight outfield locations: Allains, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
CP70-321	5142 -	20.3 -	254	1.87 +	21696 -
LCP85-384	6298	24.0	264	1.59	30216
HOCP85-845	5829	24.0	244 -	1.89 +	25518 -
HOCP91-555	6518	23.8	275 +	1.63	29530
HOCP96-540	6335	24.5	260	1.86 +	26320 -
L97-128	6768	24.4	280 +	1.91 +	26069 -

Third-stubble means from two outfield locations: Bon Secour and R. Hebert farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
CP70-321	5926 -	23.5 -	250	2.00 +	23516 -
LCP85-384	7567	29.9	253	1.43	45311
HOCP85-845	6678	26.7	250	1.66	32447 -
HOCP91-555	6855	25.8	264	1.68	31625 -
HOCP96-540	7806	30.4	255	2.06 +	29762 -
HO95-988	7454	27.6	269	1.80 +	30961 -

2002

Plantcane means from eight outfield locations: Alma, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
TucCP77-42	7806	37.6 +	208 -	2.97 +	25566
LCP85-384	7547	30.1	252	2.18	28020
HOC85-845	7193	29.1	249	2.40 +	24560 -
HOC91-555	7565	29.8	254	2.27	26954
HOC96-540	8538 +	32.8 +	260	2.71 +	24512 -
L97-128	8096	31.8	253	2.67 +	23825 -
L98-207	7410	28.6	259	1.78 -	32742 +
L98-209	8013	30.9	260	2.37 +	26422

First-stubble means from eight outfield locations: Allains, Bon Secour, Georgia, Glenwood, Lanaux, Magnolia, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
CP70-321	6407 -	24.5	265	2.15 +	23044 -
LCP85-384	7324	27.4	269	1.73	32049
HOC85-845	6646	25.7	262	2.01 +	26144 -
HOC91-555	7071	26.1	271	1.74	30423
HOC96-540	8095	30.6	267	2.21 +	28308 -
L97-128	7432	27.7	271	2.20 +	25264 -

Second-stubble means from seven outfield locations: Allains, Bon Secour, Georgia, Glenwood, Lanaux, R. Hebert, and St. John farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
CP70-321	4988 -	20.3 -	246	2.01 +	20416 -
LCP85-384	7439	29.3	256	1.60	36849
HOC85-845	6952	27.0	259	1.80 +	30217 -
HOC91-555	7205	27.0	269 +	1.59	34208
HO95-988	8071	30.0	268 +	2.08 +	28884 -
L96-540	8528 +	33.6 +	256	2.08 +	32696 -

Third-stubble means from two outfield locations: Lanaux and R. Hebert farms.

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
CP70-321	6139	24.9	247	2.17 +	23880 -
LCP85-384	7678	29.8	259	1.49	40732
HOC85-845	6072 -	24.4 -	249	1.95 +	25203 -
HOC91-555	6083 -	22.5 -	269	1.62	27988 -
HO95-988	7787	28.9	268	1.86 +	31498 -