

Louisiana Sugarcane Variety Outlook

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Representing Louisiana Sugar Cane
Growers and Processors



Variety Survey

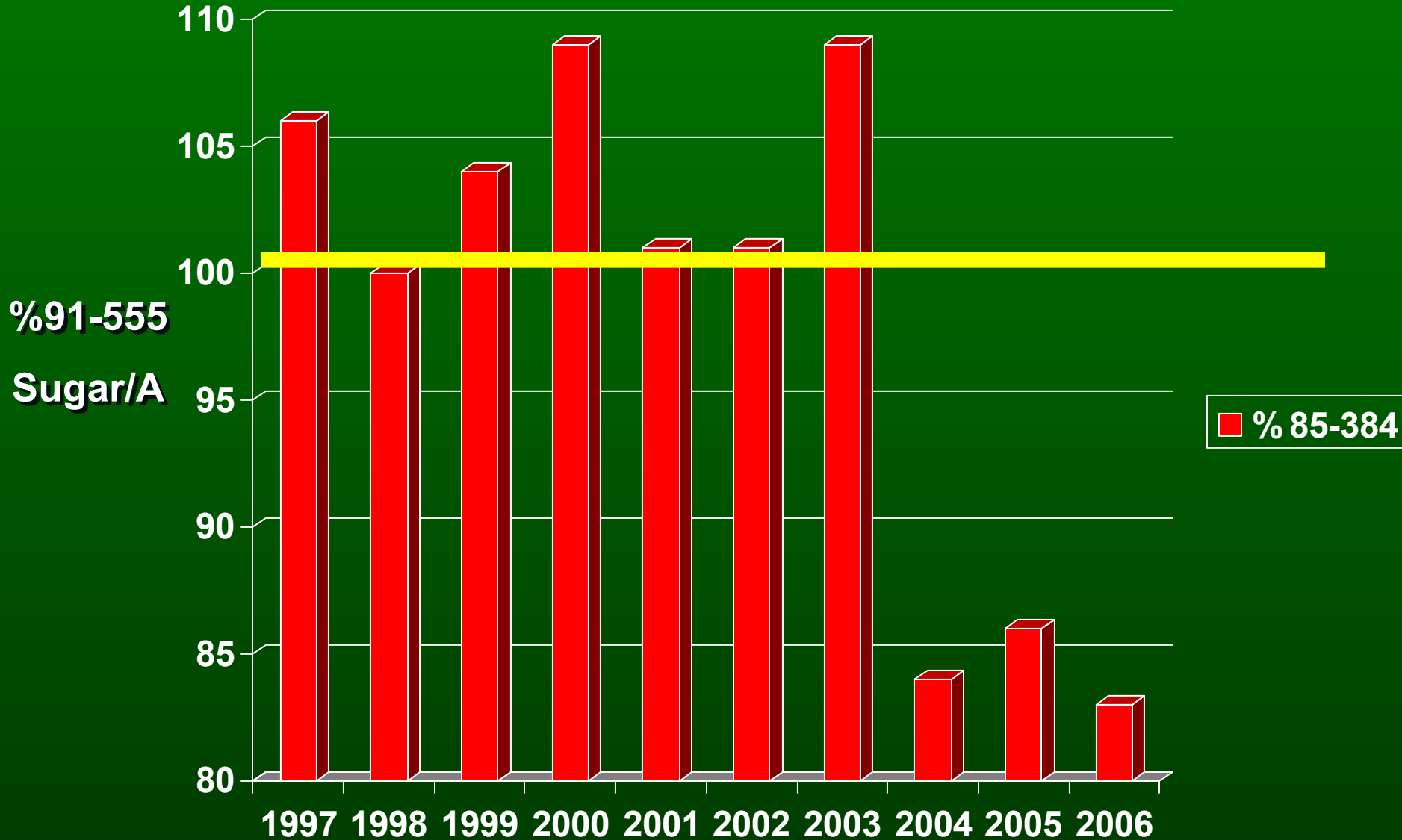
Variety	2003	2004	2005	2006	Change
CP 70-321	3	2	1	1	0
LCP 85-384	88	91	89	73	-16
HoCP 85-845	4	3	2	1	-1
HoCP 91-555	4	3	4	5	+1
Ho 95-988		<1	<1	2	+1
HoCP 96-540	<1	<1	3	14	+11
L 97-128		<1	<1	4	+4

Rust



LCP85-384 vs. HoCP91-555

First Stubble



New Varieties

**CP89-2143, HoCP00-950,
L01-283, and L01-299**



Outfield Testing



Outfield Plantcane 2006

Variety	Sugar/ac	Tons/ac	TRS
LCP85-384	8121 -	30.2 -	268
CP89-2143	8560 -	34.3 -	251 -
HoCP95-988	9809	36.7	267
HoCP96-540	10559	38.8	273
L97-128	10009	38.5	260
L99-226	11148	39.0	286
L99-233	10340	38.9	264
HoCP00-950	10767	37.0	291 +
L01-283	9974	36.7	271
L01-299	10119	36.6	276
HoCP02-623	9639 -	35.4 -	273

7 Tests

Outfield 1st Stubble 2006

<i>Variety</i>	<i>Sugar/ac</i>	<i>Tons/ac</i>	<i>TRS</i>
LCP85-384	7381 -	27.2 -	270
HoCP91-555	8092	29.3	276
Ho95-988	8667	31.8	272
HoCP96-540	8721	31.7	276
L97-128	8249	30.3	272
L99-226	10378 +	34.6	300 +
L99-233	8754	32.2	271
HoCP00-950	8746	30.0	291 +
L01-283	10207 +	35.7 +	286
L01-299	10049 +	37.6 +	265

6 Tests

Outfield 2nd Stubble 2006

<i>Variety</i>	<i>Sugar/ac</i>	<i>Tons/ac</i>	<i>TRS</i>
<i>LCP85-384</i>	<i>7429 -</i>	<i>28.3</i>	<i>263</i>
<i>HoCP91-555</i>	<i>8040</i>	<i>30.4</i>	<i>266</i>
<i>HoCP96-540</i>	<i>9074</i>	<i>33.0</i>	<i>273</i>
<i>L97-128</i>	<i>9151</i>	<i>32.3</i>	<i>284</i>
<i>L99-226</i>	<i>9417</i>	<i>31.9</i>	<i>297 +</i>
<i>L99-233</i>	<i>9041</i>	<i>32.7</i>	<i>276</i>
<i>HoCP00-950</i>	<i>9959</i>	<i>33.9</i>	<i>294 +</i>

5 Tests

Commercial Varieties

**LCP85-384, Ho95-988, HoCP96-540,
L97-128, L99-226, and L99-233**



Outfield Plant-cane 2003-2006

<i>Variety</i>	<i>Sugar/ac</i>		<i>Tons/ac</i>		<i>TRS</i>	
<i>LCP85-384</i>	<i>7490</i>	-	<i>27.6</i>	-	<i>271</i>	-
<i>HoCP96-540</i>	<i>9217</i>		<i>33.2</i>		<i>278</i>	
<i>L97-128</i>	<i>8591</i>	-	<i>31.3</i>	-	<i>276</i>	
<i>L99-226</i>	<i>9844</i>	+	<i>33.6</i>		<i>293</i>	
<i>L99-233</i>	<i>9010</i>		<i>33.2</i>		<i>271</i>	-

Outfield First Stubble 2004-2006

<i>Variety</i>	<i>Sugar/ac</i>		<i>Tons/ac</i>		<i>TRS</i>	
<i>LCP85-384</i>	<i>6903</i>	-	<i>25.4</i>	-	<i>272</i>	
<i>HoCP91-555</i>	<i>7890</i>		<i>27.8</i>		<i>283</i>	
<i>HoCP96-540</i>	<i>8152</i>		<i>29.2</i>		<i>280</i>	
<i>L97-128</i>	<i>7760</i>		<i>27.8</i>	-	<i>279</i>	
<i>L99-226</i>	<i>9120</i>	+	<i>30.5</i>		<i>299</i>	+
<i>L99-233</i>	<i>8073</i>		<i>29.3</i>		<i>276</i>	

Outfield Second Stubble 2005-2006

<i>Variety</i>	<i>Sugar/ac</i>		<i>Tons/ac</i>		<i>TRS</i>	
<i>LCP85-384</i>	<i>6635</i>	-	<i>24.8</i>	-	<i>268</i>	
<i>HoCP91-555</i>	<i>6832</i>	-	<i>25.4</i>	-	<i>270</i>	
<i>HoCP96-540</i>	<i>7639</i>		<i>28.0</i>		<i>272</i>	
<i>L97-128</i>	<i>7834</i>		<i>28.2</i>		<i>276</i>	
<i>L99-226</i>	<i>8577</i>	+	<i>28.6</i>		<i>299</i>	+
<i>L99-233</i>	<i>8108</i>		<i>29.9</i>		<i>270</i>	

Outfield 3rd Stubble 2006

<i>Variety</i>	<i>Sugar/ac</i>	<i>Tons/ac</i>	<i>TRS</i>	
<i>LCP85-384</i>	<i>7761</i>	<i>31.1</i>	<i>249</i>	
<i>HoCP85-845</i>	<i>8632</i>	<i>34.3</i>	<i>250</i>	
<i>HoCP91-555</i>	<i>8031</i>	<i>30.3</i>	<i>265</i>	<i>+</i>
<i>HoCP96-540</i>	<i>8464</i>	<i>34.3</i>	<i>247</i>	
<i>L97-128</i>	<i>9654</i>	<i>+</i> <i>37.8</i>	<i>256</i>	
<i>L99-226</i>	<i>8741</i>	<i>31.5</i>	<i>277</i>	<i>+</i>
<i>L99-233</i>	<i>9634</i>	<i>+</i> <i>38.2</i>	<i>253</i>	

3 Tests

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG

Smut



Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG



Leaf Scald

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G	VG

Variety Summary

Trait	85-384	95-988	96-540	97-128	99-226	99-233
Harvesting	P	P	M	M	P	P
Borers	S	S	S	S	R	S
Smut	R	S	R	S	MR	MR
Leaf Scald	R	R	R	MR	MR	R
Rust	S	S	M	M	MR	R
Shading	M-G	VG	M	VG	VG	G
Stubbling	VG	VG	M-G	G	G?	VG



Bull Shoots – Plant-cane

	Sugar/ac	Tons/ac	TRS	Fiber
Whole Stalks	8348	36.8	227	14.9
Bull Shoots	809	7.3	189	10.7
Combined Stalk Types	9732	44.2	220	14.0

HoCP85-845

Bull Shoots – First Stubble

	Sugar/ac	Tons/ac	TRS	Fiber
Whole Stalks	10348	41.1	252	15.0
Bull Shoots	527	5.5	97	11.9
Combined Stalk Types	10875	46.6	234	14.3

HoCP85-845

Comments on Bull Shoots

- When sugarcane stalks are bent, apical dominance was lost and growth reduced. Evidence indicated that flowering might be induced and other survival mechanisms, such as the development of suckers (bull shoots).

J.C. Skinner, BSES Australia, 1960