

Sugarcane Varieties 2019

James Todd, USDA-ARS, SRU

Atticus Finger, ASCL

Why Plant New Varieties?

- Increase yield
- Diversity Reduces risks of decline and disease
- LCP 85-384 reached 91% of the acreage
- Became susceptible to rust and declined



Ho 05-961

Pro's

- Very good sucrose content
- Early maturity
- Good harvestability
- Resistant to leaf scald and rust, moderately resistant to smut
- Resistant to sugarcane borer
- Good shading

Con's

- Lower stubble yields
 - Lower stalk weight in stubble
- Susceptibility to RSD
- Susceptibility to orange rust & mosaic



Ho 09-804

Pro's

- Early sugar
- Very good yields of sugar per acre and tonnage
- Very good sucrose content
- Early maturity
- Good harvestability
- Excellent stubbling

Con's

- Mosaic
- Fiber



L 11-183

Pro's

- Good sugar per acre
- Good shading



Con's

- Moderate maturity
- Moderate cold tolerance



Characteristics for Recommended Commercial Sugarcane Varieties

		HoCP	L	HoCP	L	L	HoCP	HoCP	L
		96-540	99-226	00-950	01-283	01-299	04-838	09-804	11-183
		Year of Release							
Varietal									
Characteristics		2003	2006	2007	2008	2009	2011	2016	2018
Sugar per acre		VG	VG	G	VG	VG	G	VG	VG
Sucrose Content		M-G	VG	VG	VG	G	M-G	VG	M-G
Tonnage		VG	G	G	VG	VG	G	VG	G
Harvestability		G	P	G	G	VG	G	G	M-G
Maturity		M	M-E	E	E	M	M	E	M
Stubbling		M	G	G	VG	VG	G	VG	G
Sugarcane Borer		S	R	S	MR	R	R	S	S
Brown Rust		S	MS	MR	S	R	R	S	MS
Smut		R	MS	R	R	S	R	MS	R
Leaf scald		R	MS	MR	R	R	R	R	MR
Post-Freeze Decline		G	P-M	G	G	G	VG	M	M
Shading		M	VG	VG	G	M	VG	M	M

New Varieties This Year?

- **L 12-201**
 - Large, sweet and hairy
- **Ho 12-615**
 - High population, good stubble
- **Ho 12-630**
 - High TRS and yields



2020

- **Ho 11-573**
 - Good looking cane with yields
- **Ho 13-739**
 - High sugar, early maturing
- **HoCP 13-758**
 - Strait and self stripping



2021

- **L 14-267**
 - High tonnage, Low fiber
- **HoCP 14-802**
 - High tonnage, good ratoon
- **HoCP 14-885**
 - High tonnage, sugar and stubble



Summary

- Try new varieties
- New ones are coming



Outfield Plant Cane

Variety	Sugar per Acre		Cane Yield		Sugar per Ton		Stalk Weight		Stalk Number	
	(lbs/A)		(tons/A)		(lbs/ton)		(lbs)		(stalks/A)	
HoCP96-540	7823	-	31.9	-	243	-	3.01	+	21965	-
L01-283	9408		35.6		265		2.31	-	31285	
L01-299	9197		35.9		256		2.53		28942	
HoCP04-838	9567		35.5		269	+	2.50		28694	
HoCP09-804	9812		35.1		278	+	2.08	-	34084	+
L11-183	9260		36.4		253		2.59		28404	
Ho11-573	9819		38.7	+	253		3.22	+	24104	-
L12-201	9830		37.4		263		3.14	+	23891	-
Ho12-615	10559	+	41.1	+	257		2.30	-	36055	+
Ho12-630	9635		36.1		267	+	2.83	+	25768	-
Ho13-739	9725		35.9		272	+	3.01	+	23954	-
HoCP13-758	10452	+	38.4		272	+	2.65		29197	
L14-267	9651		36.5		265		3.09	+	23834	-
HoCP14-802	9595		38.9	+	246	-	2.44		32283	+
HoCP14-885	10667	+	38.3		278	+	2.78	+	27802	

Outfield First Stubble

Variety	Sugar per Acre		Cane Yield		Sugar per Ton		Stalk Weight		Stalk Number	
	(lbs/A)		(tons/A)		(lbs/ton)		(lbs)		(stalks/A)	
HoCP96-540	8151	-	33.3	-	243	-	2.72	+	24783	-
L01-283	9986		36.4	-	274	+	2.16	-	34603	
L01-299	10448		39.4		265		2.25		35586	
HoCP04-838	9057	-	34.9	-	259		2.36		30437	-
HoCP09-804	10396		37.2		280	+	1.93	-	39303	+
L11-183	9130	-	36.0	-	252	-	2.44	+	30391	-
Ho11-573	9659		37.5		257		2.92	+	25952	-
L12-201	9206	-	35.6	-	259		2.93	+	24863	-
Ho12-615	10434		40.4		258		2.05	-	39753	+
Ho12-630	9024	-	34.1	-	263		2.61	+	26610	-
Ho13-739	9990		36.0	-	277	+	2.66	+	27453	-
HoCP13-758	9210	-	34.2	-	268		2.49	+	27726	-

Outfield Second Stubble

Variety	Sugar per Acre	Cane Yield	Sugar per Ton	Stalk Weight	Stalk Number
	(lbs/A)	(tons/A)	(lbs/ton)	(lbs)	(stalks/A)
HoCP96-540	6402-	28.4-	224-	2.30+	25050-
L01-283	9316	35.5-	262+	1.95	36863-
L01-299	10159	42.1	241	1.97	43512
HoCP04-838	9059-	35.6-	256+	2.13	34241-
Ho07-613	8127-	30.9-	263+	2.29+	27460-
HoCP09-804	10140	37.6-	271+	1.73-	44311
L11-183	8176-	33.7-	241	2.19+	31520-
L12-201	9082-	36.5-	248	2.52+	29499-
Ho12-615	9467	40.2	237	1.89	43820
Ho12-630	8172-	33.1-	248	2.45+	27524-

Outfield Third Stubble

Variety	Sugar per Acre		Cane Yield		Sugar per Ton		Stalk Weight		Stalk Number	
	(lbs/A)		(tons/A)		(lbs/ton)		(lbs)		(stalks/A)	
HoCP96-540	4576	-	20.2	-	236	-	2.24	+	17952	-
L99-226	7115	-	28.4	-	259		2.59	+	22292	-
HoCP00-950	7811	-	27.6	-	279	+	1.90		29328	-
L01-283	7751	-	29.6	-	267		1.85		32052	-
L01-299	9657		37.6		259		1.77		43129	
HoCP04-838	8144	-	30.7	-	265		1.98		31287	-
Ho07-613	5334	-	20.0	-	269		2.03	+	20258	-
HoCP09-804	9011		33.8		268		1.60		43097	
L11-183	6568	-	27.5	-	244	-	2.04	+	27468	-

Articles > 2017 Sugarcane Research Annual Progress Report



2017 Sugarcane Research Annual Progress Report

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SUGARCANE RESEARCH Annual Progress Report

2017

The 2017 Sugarcane Research Annual Progress Report is broken down into smaller sections for your review. Each PDF document can be accessed by selecting the links provided.



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Table 3. Plantcane sugar per acre for six commercial and nine experimental varieties at eleven outfield locations in 2017.

Variety	Heavy					Light						Overall Mean
	Allains	Alma	Frank Martin	Magnolia	Mary	Brunswick	Glenwood	Harper	Lanaux	Ronald Hebert	Lever St. John	
						(lbs./A)						
HoCP96-540	9988 +	9016	7858	1006	8990 +	9107	10891	9575	11146 +	11271	10173	9825 +
L01-283	9591	8402	7316	9435	7881	8971	11226	10445	9186	9793 -	9928	9289
L01-299	8233	7847	5912	8262	7511	8645	10633	9778	9654	11274	10009	8887
HoCP04-838	8995	8394	6281	9014	8094	9714	12386	10588	9773	11295	12013 +	9686 +
Ho07-613	9470	7567	6590	9615	8968 +	8518	11649	10523	10033	9970	10319	9384
HoCP09-804	7972	7856	8120	8239	9760 +	8718	13690 +	11068	10926	12299	10000	9877 +
L11-183	9181	1010 +	9388 +	9469	9438 +	10297	13563 +	11512 +	12225 +	13809 +	11172	10924 +
L12-201	9283	7597	8728 +	9893	9463 +	9073	12285	9895	10922	12061	11443	10058 +
Ho12-615	8372	9615 +	8089	1006	10894 +	9473	13817 +	12720 +	10951	12555	12535 +	10826 +
Ho12-630	1037 +	8111	7748	9346	9070 +	8641	12701	10580	11127 +	11377	11494	10053 +
L13-251	9779	9517 +	8139	9336	9554 +	10058	12795 +	10319	11597 +	12897 +	11350	10486 +
Ho13-708	9037	8440	5944	9795	10646 +	9718	14225 +	11570 +	10924	11160	11112	10234 +
Ho13-739	8713	8064	7346	8380	8007	9687	12237	10968	9769	11071	10392	9512
HoCP13-740	8886	9638 +	6019	9437	7843	9508	12485	10585	8931	12170	7791 -	9390
HoCP13-758	1126 +	1033 +	10358 +	9432	9763 +	11104	14848 +	12081 +	12811 +	12176	13812 +	11635 +



