

## Sugarcane Cultivar Quick Reference Chart<sup>1</sup>

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### Introduction

This Sugarcane Cultivar Quick Reference Chart (see Table 1) is based on the best information available at the time of publication. What became quickly apparent while constructing this chart is that the micro-environment where a cultivar is grown, time of planting, seasonal weather pattern, and the cultural practices that immediately preceded the planting have an important bearing on the performance of a cultivar. The ratings presented in this chart are comparisons against the standard cultivar, CP 70-1133, and are composites from several evaluations.

Before you select a new or different cultivar to be included in your cultivar mix, read the literature on that cultivar, talk to growers and research staff who have worked with it, and pay attention to how old the cultivar is and its disease problems. There are no fungicides available for field use on Florida sugarcane once it has been planted.

In order for a newly developed cultivar to be released for commercial production, it must exhibit good disease resistance. However, diseases mutate at an alarming rate, often overcoming plant resistance in two to ten years. A cultivar that has been released for ten years and is still resistant to rust (caused by *Puccinia melanocephala* H. Syd. and P. Syd.) probably does not have many years left in the commercial inventory. If a new cultivar has a fit in a grower's production plan at all, it should be planted as soon as possible after its release.

### Acknowledgements

The authors wish to thank Barney Eiland, Gerald Powell, and Raul Perdomo from Florida Crystals Corporation, James Shine Jr. from Sugarcane Growers Cooperative of Florida, Roy Smith from Roth Farms, and Gregg Nuessly, Entomologist at the Everglades Research and Education Center for their contributions and reviews.

For further information on cultivar performance see the Annual Florida Sugarcane Variety Census

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1. This document is SS AGR 146, one of a series of the Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date June 2002. Reviewed April 2008. This publication is also a part of the Florida Sugarcane Handbook, an electronic publication of the Agronomy Department. For more information, contact the editor of the Sugarcane Handbook, Ronald W. Rice (rwr@ufl.edu). Please visit the EDIS Web site at <http://EDIS.ifas.ufl.edu>.
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Table 1. Sugarcane Cultivar Quick Reference Chart

	CL	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
	61- 620	70- 1133	72- 2086	73- 1547	78- 1628	80- 1743	80- 1827	84- 1198	88- 1762	89- 2143	92- 1213	92- 1641	92- 1666	94- 1100	94- 1340			
Sugar per Ton	M+	L+	M+	M	M	H	L	M+	M	H	L+	V	L+	L+	M			
Tons Cane per Acre	M	M+	M+	H	M+	M+	M-H	H	H	M+	M-H	M	M-H	H	M			
Optimal Harvest Period	G	E-I	I-G	I+	I	E	I-G	I+	E	E-G	E	E	G	I	I			
Fiber	M	M	L	M	M	L+	L	M	H	M	M	M	M	M	M			
Tillering	M	M+	M	M	H	H	L+	M	H	H	M	L	H	M	M			
Erectness	M	F	M	M	F	M	T	F	F	T	M	T	F	T	T			
Stubbling Ability	H	M+	M+	M+	H	H	H	M+	H	H	M	L+	M+	H	M			
Uprooting	M	L	L+	L	M	L-M	L+	M+	M	L	M	L	L+	U	L+			
Cold Tolerance	M	L	H	L	H	L	M	M	L+	H	L+	U	L+	U	U			
Harvestability	D	M	M+	M	D+	J	J	D	D	J	M	J	M	J	U			
Soil Preference	O	A	A	S	A,Tr	O	O	O	O	O	O	A,Tr	A	A	A			
Water Tolerance	M	M+	P,2	H	H	P+	M	M	P	M	P+	M	P+	P+	P+			
Seed Cane Quality	M	M	H	M	M	M-H	H	M	L-M	H	U	M+	M	H	M+			
Flowering Season	G	I	G	I	I	G	E	E	G	I+	E-N	G	I	G	G			
Rust Susceptibility*	Sus	Sus	Mr	Mr	S	R	Sus	R	Mr	Ms	R	R	R	R	R			
Leaf Scald Suscept.*	R	R	R	R	R	Ms	R	R	R	R	Ms	R	R	Mr	R			
Smut Susceptibility*	R	Ms	R	Ms	Ms	R	R	R	R	R	R	R	Ms	R	R			
Mosaic Susceptibility*	R	Mr	Sus	R	R	R	Ms	R	R	Ms	R	R	R	R	R			
RSD Susceptibility**	Sus	Sus	R	Mr	Mr	Mr	Sus	Sus	Sus	Ms	Mr	R	Mr	Mr	Ms			
YLS Susceptibility***	Mr	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus			
Noteworthy Item****	3,4	1	2,3	3	7	2,6	4	3,5	3,5	2,4,6	2,8	7	2	2	2			

+ after a rating designates a value on the high side of the rating.

A=All soils E=Early season H=High L=Low O=Organic soil T=Erect  
 Tr=Transitional F=Lodges I=Mid season M=Medium P=Poor at planting U=Unknown  
 D=Difficult G=Late season J=Easy N=None S=Sand V=Variable (low to high)  
 \*Disease Ratings: Sus=Susceptible; Ms=Moderately susceptible; Mr=Moderately resistant; R=Resistant.  
 \*\*Ratoon Stunting Disease \*\*\*Yellow Leaf Syndrome  
 \*\*\*\*Noteworthy Items:1=Higher tonnage but lower yields on sand soil. 5=Harvest from windward side (peel)  
 2=Avoid wet fields at planting due to increased risk of pineapple disease. 6=Rodents seem to prefer this cultivar  
 3=At harvest, leave higher stubble to ensure adequate regrowth. 7=Transitional soil standout  
 4=Yellow Sugarcane Aphids seem to prefer this cultivar. 8=Brittle Cane