

CPCL 00-4111

Sugarcane cultivar ‘CPCL 00-4111’ was released in 2010 for muck soil in Florida. Basic information (Table 1) and information on disease and yield (Table 2) are provided in the tables below. Yields are an average of plant cane, first and second ratoon. Numbers in the table 2 represent actual yield and number in parentheses is the percent difference from commercial check, CP 89-2143 planted in same trial.

Abbreviations:

- **Tonnage:** Sugarcane biomass yield in tons/acre
 - **CRS:** Commercial Recoverable Sucrose (lbs of sugar/ton of cane)
 - **TSA:** Tons of sugar per acre
 - **Economic index:** Profitability based on crop value after deducting harvesting and transportation cost
 - **Diseases:** SCMV, Sugar Cane Mosaic Virus; RSD, Ratoon Stunting Disease; SCYLV, Sugar Cane Yellow Leaf Virus
- R=Resistant; MR=Moderately resistant; MS=Moderately susceptible; S=Susceptible
- **Bru1 gene:** + is present; - is absent

Table 1

Basic Information	
Release date	June-2010
Soil type	Muck
Parents	CL 83-3431 x CL 89-5189
Freeze tolerance	Moderate to poor
Flowering	Generally none
Best features	High tons cane per acre and economic index, moderately resistant to rusts
Limiting features	Susceptible to smut, leaf scald and ratoon stunt
Other issues	Light to heavy lacebug infestations

Table 2

Yield and disease information	
Trait	CPCL 00-4111 (Yields compared to CP 89-2143)
Tonnage	63.8 (+16%)
Sucrose (CRS)	229.0 (-1%)
Sugar per acre (TSA)	7.4 (+14%)
Economic Index	\$1076 (+16%)
Fiber	10.8%
Brown rust	MR
<i>Bru1</i>	-
Orange rust	MR
Leaf scald	S
Smut	S
SCMV	R
RSD	S
SCYLV	S



CPCL 00-4111 in late growth in muck soil



CPCL 00-4111 top with auricles



CPCL 00-4111 mature stalk



CPCL 00-4111 bud



CPCL 00-4111 internode cross-section (diameter compared to quarter dollar)