

CPCL 02-1295

Sugarcane cultivar ‘CPCL 02-1295’ was released in 2011 for both muck and sand soils 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 checks, CP 89-2143 in muck and CP 78-1628 in sand, 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-2011
Soil type	Muck and Sand
Parents	CP 88-1762 x CL 91-1637
Freeze tolerance	Good to moderate
Flowering	Light to moderate beginning in mid to late December
Best features	Resistant to brown rust, and ratoon stunt, high plant cane tonnage
Limiting features	Low sucrose, lower second stubble tonnage, moderate susceptibility to orange rust and leaf scald
Other issues	Light to moderate rust mite, light to heavy lace bug, and moderate ring spot levels

Table 2

Yield and disease information	
Trait	CPCL 02-1295 (Yields compared to CP 89-2143 in muck and CP 78-1628 in sand)
Tonnage	Muck=65.0 (+5%), Sand= 48.7 (+5%)
CRS	Muck=220.4 (-7%), Sand=244.5 (-2%)
TSA	Muck=7.2 (-2%), Sand=6.0 (+4%)
Economic Index	Muck=\$1074 (-8%), Sand=\$975 (+3%)
Fiber	11.3%
Brown rust	R
<i>Bru1</i>	+
Orange rust	MS
Leaf scald	MS
Smut	MR
SCMV	MR
RSD	R
SCYLV	S



CPCL 02-1295 in late growth stage in sand soil



CPCL 02-1295 top with no auricles



CPCL 02-1295 mature stalks



CPCL 02-1295 bud



CPCL 02-1295 internode cross-section (diameter compared to quarter dollar)