

**CP 00-1101**

Sugarcane cultivar ‘CP 00-1101’ was released in 2008 for muck soil in Florida. Basic information (Table 1) and information on diseases 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	2008
Soil type	Muck
Parents	CP 89-2143 X CP 89-2143
Freeze tolerance	Good
Flowering	None to very light
Best features	High sucrose level, very erect
Limiting features	Susceptible to orange rust and rust mite, lower tonnage in stubble
Other issues	None

Table 2

Yield and disease information	
Trait	CP 00-1101 (Yields compared to CP 89-2143)
Tonnage	64.5 (+7%)
Sucrose (CRS)	246.6 (+2%)
Sugar per acre (TSA)	8.0 (+8%)
Economic Index	\$1345 (+10%)
Fiber	10.15%
Brown rust	R
<i>Bru1</i>	+
Orange rust	S
Leaf scald	R
Smut	R
SCMV	R
RSD	R
SCYLV	S



CP 00-1101 in early growth stage in muck soil



CP 00-1101 in late growth stage in muck soil



CP 00-1101 top with auricle



CP 00-1101 mature stalk