

CP 04-1935

Sugarcane cultivar ‘CP 04-1935’ was released in 2011 for 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 check, CP 78-1628 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	Sand
Parents	CP 94-2059 x CP 84-1322
Freeze tolerance	Poor tolerance
Flowering	Generally none
Best features	Moderately resistant to brown rust, high CRS and economic index
Limiting features	Susceptible to scald, moderately susceptible to smut, not cold tolerant
Other issues	Moderately susceptible to rust mite and lace bug damage

Table 2

Yield and disease information	
Trait	CP 04-1935 (Yields compared to CP 78-1628)
Tonnage	51.4 (+11%)
CRS	258 (+3%)
TSA	6.7 (+15%)
Economic Index	\$1134 (+19%)
Fiber	10.6%
Brown rust	MR
Bru1	+
Orange rust	MS
Leaf scald	S
Smut	MS
SCMV	R
RSD	MR
SCYLV	S



CP 04-1935 in late growth stage in sand soil



CP 04-1935 top with auricles



CP 04-1935 mature stalks



CP 04-1935 bud



CP 04-1935 internode cross-section (diameter compared to quarter dollar)