

CP 04-1566

Sugarcane cultivar ‘CP 04-1566’ 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 89-2377 x CP 96-1252
Freeze tolerance	Moderate to poor
Flowering	Medium to heavy beginning in late November
Best features	Stable performance in second stubble, very erect, moderately resistant to brown and orange rust, SCMV, and RSD
Limiting features	Poor freeze tolerance, shorter in stubble crops
Other issues	Light to moderate lacebug, rust mite and ring spot infestation in sand soil

Table 2

Yield and disease information	
Trait	CP 04-1566 (Yields compared to CP 78-1628)
Tonnage	51.3 (+11%)
CRS	250.1 (+ <1%)
TSA	6.5 (+11%)
Economic Index	\$1081 (+14%)
Fiber	9.7%
Brown rust	MR
<i>Bru1</i>	-
Orange rust	MR
Leaf scald	MS
Smut	MS
SCMV	MR
RSD	MR
SCYLV	S



CP 04-1566 in late growth stage in sand soil



CP 04-1566 top with auricles



CP 04-1566 mature stalks



CP 04-1566 internode cross-section (diameter compared to quarter dollar)