

CP 10-1716

Sugarcane cultivar ‘CP 10-1716’ was released in 2018 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, CL 88-4730 in sand soil, 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-2018
Soil type	Sand
Parents	CP 00-2180 x Mix 07Q
Freeze tolerance	Moderate to low
Flowering	
Best features	Resistant to all major sugarcane diseases in Florida
Limiting features	Low sugar and freeze tolerance
Other issues	Light to moderate ring spot; light rust mite and lace bug infestation

Table 2

Yield and disease information	
Trait	CP 10-1716 (Yields compared to CL 88-4730 in sand)
Tonnage	+7%
CRS	-3.6%
TSA	+3%
Economic Index	+2%
Fiber	11.02
Brown rust	R
<i>Bru1</i>	+
Orange rust	R
Leaf scald	R
Smut	R
SCMV	R
RSD	R
SCYLV	R



CP 10-1716 at early growth stage in sandy soil



CP 10-1716 at late growth stage in sandy soil



CP 10-1716 bud



CP 10-1716 internode cross-section (diameter compared to quarter dollar)



CP 10-1716 auricle



CP 10-1716 ligule