

**CP 09-4758**

Sugarcane cultivar ‘CP 09-4758’ was released in 2016 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 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-2016
Soil type	Sand
Parents	CP 97-2103 x CP 92-1167
Freeze tolerance	Moderate to low
Flowering	Usually no flowering in Florida
Best features	Excellent germination, resistant to smut and Yellow leaf disease
Limiting features	Moderately susceptible to orange rust and leaf scald
Other issues	Light to moderate ring spot, light to moderate rust mite

Table 2

Yield and disease information	
Trait	CP 09-4758 (Yields compared to CP 88-4730)
Tonnage	60 (+22%)
CRS	277.2 (-<1%)
TSA	8.0 (+20%)
Economic Index	\$1328 (+19%)
Fiber	10.2%
Brown rust	MR
<i>Bru1</i>	-
Orange rust	MS
Leaf scald	MS
Smut	R
SCMV	MR
RSD	MR
SCYLV	R



CP 09-4758 at early growth stage in sand soil



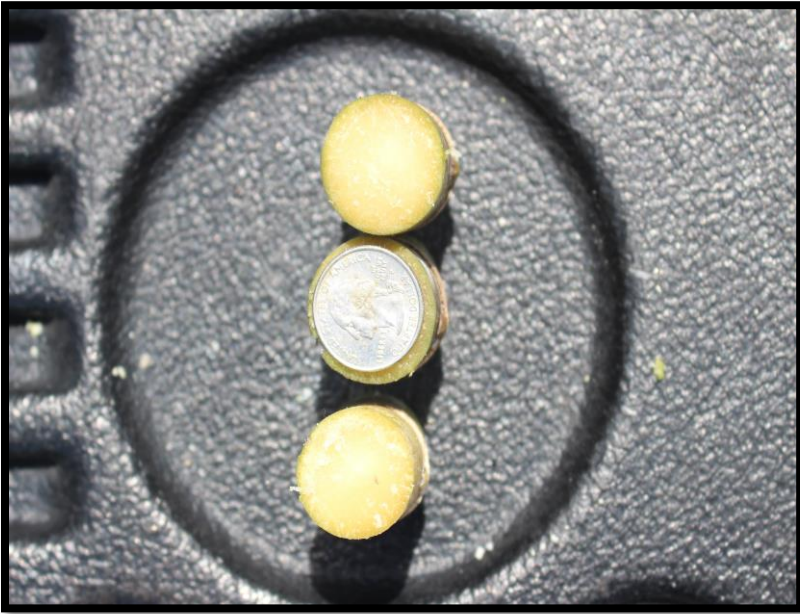
CP 09-4758 at late growth stage in sand soil



CP 09-47583 top with no auricles



CP 09-4758 mature stalks



CP 09-4758 internode cross-section (diameter compared to quarter dollar)