

CP 09-1430

Sugarcane cultivar ‘CP 09-1430’ was released in 2016 for muck soil 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 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	June-2016
Soil type	Muck
Parents	CPCL 00-6756 x CP 01-2390
Freeze tolerance	Moderate to good
Flowering	Light to heavy starting in mid to late Dec.
Best features	Resistant to mosaic, good germinator in wet conditions
Limiting features	Susceptible to RSD, brown rust, and leaf scald
Other issues	Light to medium ring spot, light to moderate rust mite, light lace bugs.

Table 2

Yield and disease information	
Trait	CP 09-1430 (Yields compared to CP 89-2143)
Tonnage	65.2 (+20%)
CRS	240.1 (- 1%)
TSA	8.0 (+18%)
Economic Index	\$1270 (+18%)
Fiber	10.3%
Brown rust	S
<i>Bru1</i>	-
Orange rust	MR
Leaf scald	S
Smut	MR
SCMV	R
RSD	S
SCYLV	MR



CP 09-1430 at early growth stage in muck soil



CP 09-1430 at late growth stage in muck soil



CP 09-1430 node and internode



CP 09-1430 internode cross-section (diameter compared to quarter dollar)