CP 09-1385

Sugarcane cultivar ‘CP 09-1385’ was released in 2016 for both muck and 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 checks, CP 89-2143 in muck and 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-2016
Soil type	Muck and Sand
Parents	CP 01-2459 x CP 00-2180
Freeze tolerance	Moderate
Flowering	None to moderate in late Dec.
Best features	Resistant to brown rust and mosaic, medium to big barrel
Limiting features	Susceptible to leaf scald on muck and moderately susceptible to RSD
Other issues	Light ring spot, light to heavy rust mite, moderate to heavy cold banding of leaves in March or April

Table 2

Yield and disease information	
Trait	CP 09-1385 (Yields compared to CP 89-2143 in muck and CL 88-4730 in sand)
Tonnage	Muck=70.5 (+30%) Sand=62.1 (+24%)
CRS	Muck=240.2 (-<1%) Sand=267.3 (+3%)
TSA	Muck=8.9 (+31%) Sand=8.3 (+27%)
Economic Index	Muck=$1519 (+41%) Sand=$1410 (+34%)
Fiber	10.1%
Brown rust	R
Bru1	+
Orange rust	MR
Leaf scald	S on muck, MR on sand
Smut	MR
SCMV	R
RSD	MS
SCYLV	MR

CP 09-1385 at early growth stage in muck soil

CP 09-1385 at early growth stage in sandy soil

CP 09-1385 at late growth stage in muck soil

CP 09-1385 at late growth stage in sandy soil

CP 09-1385 bud

CP 09-1385 internode cross-section (diameter compared to quarter dollar)