

**CP 11-1314**

Sugarcane cultivar ‘CP 11-1314’ was released in 2018 for muck 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 96-1252 in muck 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	Muck
Parents	CP 05-1451 x Mix 08B
Freeze tolerance	High
Flowering	Heavy flowering in early to mid Dec.
Best features	Resistant to smut, leaf scald and yellow leaf disease; moderately resistant to both rusts and mosaic; High freeze tolerance
Limiting features	Low early sugar and heavy early to mid season flowering
Other issues	Light to moderate ring spot, light rust mite and lace bug infestations

Table 2

Yield and disease information	
Trait	CP 11-1314 (Yields compared to CP 96-1252 in muck)
Tonnage	+21%
CRS	-2.3%
TSA	+14%
Economic Index	+13%
Fiber	10.2%
Brown rust	MR
<i>Bru1</i>	+
Orange rust	MR
Leaf scald	R
Smut	R
SCMV	MR
RSD	
SCYLV	R



CP 11-1314 at early growth stage in muck soil



CP 11-1314 at late growth stage in muck soil



CP 11-1314 bud



CP 11-1314 internode cross-section (diameter compared to quarter dollar)





CP 11-1314 top with auricles



CP 11-1314 ligule