

**CP 11-2248**

Sugarcane cultivar ‘CP 11-2248’ 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 06-2664 x Poly 09-24
Freeze tolerance	Low
Flowering	No flowering during normal growth season
Best features	Resistant or moderately resistant to most sugarcane diseases in Florida; no flowering
Limiting features	Low early sugar; susceptible to RSD
Other issues	Light to heavy ring spot, light rust mite and light lace bug infestations

Table 2

Yield and disease information	
Trait	CP 11-2248 (Yields compared to CP 96-1252 in muck)
Tonnage	+4%
CRS	0%
TSA	+4%
Economic Index	+6%
Fiber	10.4%
Brown rust	MR
<i>Bru1</i>	-
Orange rust	MR
Leaf scald	R
Smut	R
SCMV	MR
RSD	S
SCYLV	MR



CP 11-2248 at early growth stage in muck soil



CP 11-2248 at late growth stage in muck soil



CP 11-2248 bud



CP 11-2248 internode cross-section (diameter compared to quarter dollar)



CP 11-2248 top with auricles



CP 11-2248 ligule