

CP 11-1956

Sugarcane cultivar ‘CP 11-1956’ 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 03-2188 x CP 01-2459 |
| Freeze tolerance | Moderate |
| 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 |
| Other issues | Light to moderate ring spot, light to moderate rust mite and light lace bug infestations |

Table 2

| Yield and disease information | |
|-------------------------------|--|
| Trait | CP 11-1956 (Yields compared to CP 96-1252 in muck) |
| Tonnage | -3% |
| CRS | +3% |
| TSA | +1% |
| Economic Index | +5% |
| Fiber | 9.46% |
| Brown rust | MR |
| <i>Bru1</i> | - |
| Orange rust | MR |
| Leaf scald | MR |
| Smut | R |
| SCMV | R |
| RSD | MR |
| SCYLV | MR |



CP 11-1956 at early growth stage in muck soil



CP 11-1956 at late growth stage in muck soil



CP 11-1956 bud



CP 11-1956 internode cross-section (diameter compared to quarter dollar)



CP 11-1956 top with auricles



CP 11-1956 mature stalks