CP 07-2320

Sugarcane cultivar 'CP 07-2320' was released in 2015 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 CP 78-1628 in sand.

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-2015
Soil type	Muck and Sand
Parents	CP 02-2065 x CP 96-1865
Freeze tolerance	Moderate
Flowering	Light to moderate flowering starts in mid to late Dec.
Best features	Slow but good germinator, good CRS
Limiting features	Susceptible to orange rust, moderately susceptible to smut
Other issues	Light to moderate ring spot, light rust mite, light lace bug in Fall

Table 2

Yield and disease information	
Parameter	CP 07-2320 (Yields compared to CP 89-2143 in muck and CP 78-1628 in sand)
Tonnage	Muck=71.3 (+19%), Sand=52.1 (+23% sand)
CRS	Muck=258.3 (+6%), Sand=272.3 (+7%)
TSA	Muck=9.3 (+26%), Sand=7.2 (+30%)
Economic Index	Muck=$1614 (+33%), Sand=$1306 (+40%)
Fiber	8.5%
Brown rust	MR
Bru1	+
Orange rust	S
Leaf scald	MR
Smut	MS
SCMV	MS
RSD	MR
SCYLV	MS

CP 07-2320 at early growth stage in muck soil

CP 07-2320 at early growth stage in sand soil

CP 07-2320 at late growth stage in sand soil

CP 07-2320 top with auricles

CP 07-2320 bud

CP 07-2320 internode cross-section (diameter compared to quarter dollar)