CP 07-2137

Sugarcane cultivar ‘CP 07-2137’ was released in 2014 for 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 check, CP 78-1628 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

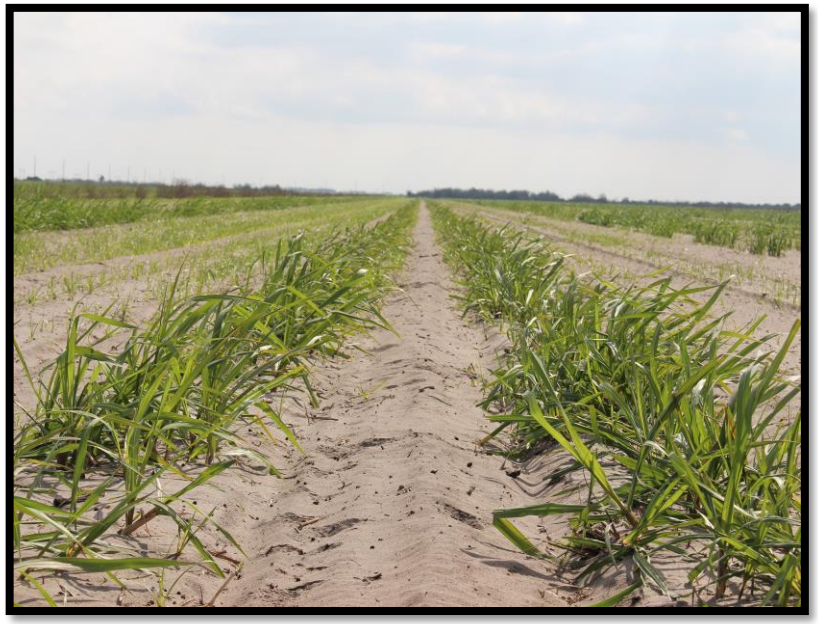
- **Bru1 gene**: + is present; - is absent

Table 1

Basic Information	
Release date	June-2014
Soil type	Sand
Parents	CP 01-2390 x CP 84-1198
Freeze tolerance	Moderate to low
Flowering	Usually none in Florida
Best features	High tonnage, high sucrose level, resistant to orange rust, and moderately resistant to brown rust, leaf scald, and RSD
Limiting features	Susceptible to smut, moderately susceptible to mosaic
Other issues	Light ring spot, light to moderate rust mite levels, and some light to moderate purpling of the leaves in late winter and early spring caused by cool temperatures.

Table 2

Yield and disease information	
Parameter	CP 07-2137 (Yields compared to CP 78-1628)
Tonnage	56.2 (+33%)
CRS	262.9 (+3%)
TSA	7.6 (+37%)
Economic Index	$1359 (+46%)
Fiber	10.8%
Brown rust	MR
Bru1	-
Orange rust	R
Leaf scald	MR
Smut	S
SCMV	MS
RSD	MR
SCYLV	S

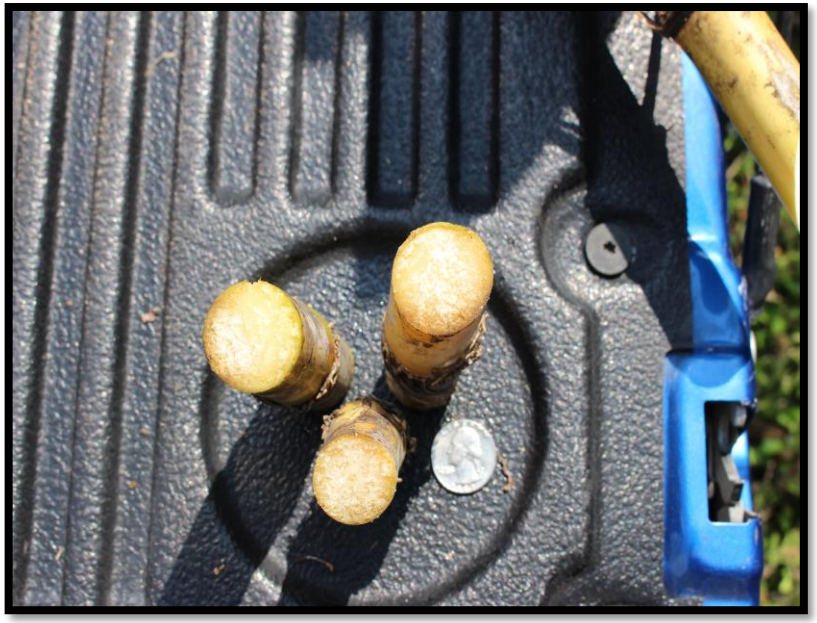


CP 07-2137 at early growth stage in sand soil

CP 07-2137 at late growth stage in sand soil

CP 07-2137 tops with auricles

CP 07-2137 bud



CP 07-2137 internode cross-section (diameter compared to quarter dollar)