

CP 89-2143

Sugarcane cultivar ‘CP 89-2143’ was released in 1996 for both muck and sand soil 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 percent difference from commercial check, CP 70-1133 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	1996
Soil type	Muck and sand
Parents	CP 81-1254 x CP 72-2086
Freeze tolerance	Good to moderate
Flowering	None to light
Best features	High sucrose
Limiting features	Susceptible to orange rust and rust mites, declining tonnage
Other issues	

Table 2

Yield and disease information	
Trait	CP 89-2143 (Yields compared to CP 70-1133)
Tonnage	+9% (muck), -9% (sand)
Sucrose (CRS)	+8% (muck), +5% (sand)
Sugar per acre (TSA)	+17% (muck), -3% (sand)
Economic Index	
Fiber	9.85%
Brown rust	R
<i>Bru1</i>	+
Orange rust	S
Leaf scald	R
Smut	R
SCMV	MS
RSD	MR
SCYLV	S



CP 89-2143 in early growth stage in muck soil



CP 89-2143 in late growth stage in muck soil



CP 89-2143 internodes



CP 89-2143 bud

CP 89-2143



CP 89-2143 top with auricles



CP 89-2143 mature stalks