

CP 78-1628

Sugarcane cultivar ‘CP 78-1628’ was released in 1989 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 the 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	1989
Soil type	Muck and sand
Parents	CP 65-357 X CP 68-1026
Freeze tolerance	
Flowering	Moderate to heavy beginning in early to mid December
Best features	Vigorous, stubbles well
Limiting features	Susceptible to brown and orange rust
Other issues	

Table 2

Parameter	CP 78-1628 (Yields compared to CP 70-1133)
Tonnage	-6.4%
Sucrose (CRS)	+5.7%
Sugar per acre (TSA)	-0.4%
Economic Index	
Fiber	10.4%
Brown rust	S
<i>Bru1</i>	-
Orange rust	S
Leaf scald	MS
Smut	S
SCMV	MR
RSD	R
SCYLV	S



CP 78-1628 top with auricles



CP 78-1628 mature stalks



CP 78-1628 bud