

CP 05-1526

Sugarcane cultivar ‘CP 05-1526’ was released in 2012 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 89-2413 in muck and CP 78-1628 planted in sand soil.

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-2012
Soil type	Muck and Sand
Parents	CP 98-1029 x CP 88-1162
Freeze tolerance	Moderate
Flowering	Generally none
Best features	High tonnage on both muck and sand, resistant or moderately resistant to most of the diseases
Limiting features	Low sucrose, heavily recumbent at maturity
Other issues	Light to moderate ring spot

Table 2

Yield and disease information	
Trait	CP 05-1526 (Yields compared to CP 89-2143 in muck and CP 78-1628 in sand)
Tonnage	Muck=70.3 (+18%), Sand=50.1 (+25%)
CRS	Muck=228.9 (-4%), Sand=228.8 (-2%)
TSA	Muck=8.1 (+13%), Sand=5.7 (+23%)
Economic Index	Muck=\$1240 (+10%), Sand=\$839 (+26%)
Fiber	11.5%
Brown rust	MR
<i>Bru1</i>	-
Orange rust	MR
Leaf scald	MR
Smut	R
SCMV	R
RSD	MR
SCYLV	S



CP 05-1526 in early growth in muck soil



CP 05-1526 in early growth in sand soil



CP 05-1526 in late growth in sand soil



CP 05-1526 top with auricles



CP 05-1526 mature stalks



CP 05-1526 bud



CP 05-1526 internode cross-section (diameter compared to quarter dollar)