

**CP 06-2425**

Sugarcane cultivar ‘CP 06-2425’ was released in 2015 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, CL 88-4730 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-2015  |
| Soil type         | Sand   |
| Parents           | CP 01-1625 x 03P29   |
| Freeze tolerance  | Moderate to poor   |
| Flowering         | Light to moderate in late Nov. to early Dec.   |
| Best features     | Good to excellent germinator   |
| Limiting features | Susceptible to orange rust   |
| Other issues      | Light to moderate ring spot, light rust mite, light purpling of leaves by cool temperatures. |

Table 2

| Yield and disease information |  |
|-------------------------------|--|
| Trait                         | CP 06-2425 (Yields compared to CL 88-4730) |
| Tonnage                       | 56.3 (+24%)                                |
| CRS                           | 228.6 (-4%)                                |
| TSA                           | 6.7 (+25%)                                 |
| Economic Index                | \$1062 (+27%)                              |
| Fiber                         | 12.8%                                      |
| Brown rust                    | MR   |
| <i>Bru1</i>                   | -  |
| Orange rust                   | S  |
| Leaf scald                    | R  |
| Smut                          | MR   |
| SCMV                          | R  |
| RSD                           | R  |
| SCYLV                         | R  |



CP 06-2425 at early growth stage in sand soil



CP 06-2425 at late growth stage in sand soil



CP 06-2425 tops with no auricles



CP 06-2425 internodes



CP 06-2425 internode cross-section (diameter compared to quarter dollar)