

## **Co 0403 (Sammriddhi)**



**Co 0403 (Sammriddhi)** has recently been notified by Central Varietal Release Committee, and is recommended for cultivation in Peninsular zone.

**Parents:** Co 8371 x Co 86011

**Maturity Type:** Early

First identified by the varietal identification committee of the 28th AICRP(S) Workshop held at NAU, Navasari during October 2010

Performance of Co 0403 in Peninsular zone at 300 days (Mean of two plant and one ratoon crops)

1. Cane yield: 101.5 t/ha
2. No. of millable canes: 80840 /ha

3. CCS Yield: 13.29 t/ha
4. Stalk length: 240 cm
5. Stalk diameter: 2.76 cm
6. Single cane weight: 1.34 kg
7. Sucrose%: 18.16
8. CCS%: 12.97%
9. Purity%: 92.66
10. Extraction%: 51.45
11. Fibre%: 13.67
12. Jaggery Quality: A1

### **Other features of Co 0403**

- Co 0403 is **resistant to red rot and smut**
- Rated as **moderately tolerant to drought**
- Distinct Morphological features: Cane is tall, erect and rind colour is greenish purple. Leaf sheath has no hairs and is with deltoid ligule, dentoid inner auricle and light green dewlap. Leaf is medium wide, arched and leaf sheath is semi clasping. Internode is medium thick, cylindrical, without zigzag alignment, without growth cracks, ivory marks present and with heavy waxiness. Bud is ovate with shallow bud groove and bud is cushion absent with bud tip touching the growth ring. Number of millable canes is very high.