

NEW VARIETY**CO 09022 (KARAN 12): A NEW MIDLATE SUGARCANE VARIETY FOR NWZ OF INDIA**

Co 09022 (Karan 12) is a midlate sugarcane variety evolved at ICAR-Sugarcane Breeding Institute, Regional Centre, Karnal (Haryana) and released and notified in August 2017 by the CVRC for cultivation in North Western Zone of India comprising the states of Haryana, Punjab, Rajasthan, Western and Central Uttar Pradesh and Uttarakhand. This variety was selected from CoLk 8102 GC. The mean CCS yield of Co 09022 in AICRP trial conducted in NWZ was 10.06 t/ha which was 13.33, 13.75 and 20.00 percent improvement over the zonal standards CoPant 97222, CoS 767 and CoS 8436, respectively. The mean cane yield of Co 09022 was 83.59 t/ha

which was 10.93 to 20.76% improvement over the standards CoS 8436, CoS 767 and CoPant 97222, respectively. The average sucrose% in juice of Co 09022 was 17.49 which was 0.2 and 2.78 percent improvement over the standards CoPant 97222 and CoS 767, respectively. Co 09022 was superior to the qualifying variety CoH 09264 for sucrose% and CCS yield. This variety was moderately resistant to the prevalent races of red rot pathogen in the zone. Co 09022 is suitable for growing under medium and high fertile soils, spring and autumn seasons in NWZ and under irrigated condition. Co 09022 attain sucrose maturity at 11th month after planting hence it can be harvested for crushing between 330 and 360 DAP.



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