

**NEW VARIETY****Co 06034 (KARAN 11): A NEW MIDLATE SUGARCANE VARIETY FOR NORTH WESTERN ZONE OF INDIA**

Co 06034 (Karan 11) is a midlate maturing sugarcane variety evolved from the progeny of the cross Co 8371 x Co 8347 at the ICAR-Sugarcane Breeding Institute, Regional Centre, Karnal (Haryana), and released by the Central Varietal Release Committee in June 2016 for cultivation in North West Zone of India comprising the states of Haryana, Punjab, Rajasthan, Western and Central Uttar Pradesh and Uttarakhand. The average commercial cane sugar (CCS) yield of Co 06034 in AICRP (Sugarcane) trials conducted in NWZ (9.59 t/ha) was 9.60, 11.25 and 15.82% improvement, the average cane yield (75.41

t/ha) was 1.06, 4.90 and 15.09% improvement and the average sucrose% (18.45) was 8.02, 6.40 and 1.49% improvement over the standards Co 1148, CoS 767 and CoS 8436, respectively; the mean pol% in cane was 14.79. Co 06034 showed “R” to red rot in 43 out of 86 trials and “MR” in 34 out of 86 trials. Co 06034 is a non-lodging and non-flowering variety (Fig. 1) suitable for cultivation under medium and high fertile soil, and for planting in autumn and spring seasons. Co 06034 attains sucrose maturity at 11<sup>th</sup> month after planting and, hence, can be harvested for crushing between 330 and 360 days after planting.



**Fig. 1.** Field stand of Co 06034 (Karan 11); mature canes (inset)

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