

Sugarcane: Co 86032 (Nayana)

Characteristics and Special Features:

The most popular sugarcane variety in tropical India.

Resistance to diseases: Field tolerant to red rot and resistant to smut disease.

Resistance to abiotic stresses: Tolerant to drought.

Retains sucrose up to 16 months of crop age.

Grows well in all soil types, has multi-ratoon potential, can be grown throughout the year.

Parentage: Co 62198 x CoC 671.

Cane yield: 110 t/ha.

Sucrose at 12 months:-19.2%.

CCS yield: 15.1 t/ha.

Fibre: 13.5%.

Jaggery: A-1 quality (Golden yellow).



Suitable Growing Region and Season:

Mid-late maturity variety released for peninsular zone.

Suitable for cultivation in Tamil Nadu, Karnataka, Andhra Pradesh, Kerala, Maharashtra, Gujarat and Madhya Pradesh.

Sugarcane: Co 86249 (BHAVANI)

Characteristics and Special Features:

High yielding.
Mid late variety in tropical India.
Resistant to red rot, smut and rust.
Tolerant to major pests.
Tolerant to drought.
Erect cane.
Medium thick.
Good ratooner.
Parentage: CoJ 64 X CoA 7601.
Cane yield: 104.20 t/ha.
Sucrose at 12 months: 18.71%.
CCS yield: 14.3 t/ha.
Fibre: 14.27%.



Suitable Growing Region and Season:

Suitable for planting in October and January/February.
East Coast Zone comprising Coastal Tamil Nadu, Andhra Pradesh, Odisha and all Zones with the problem of red rot.

Sugarcane: Co 94012

Characteristics and Special Features:

Very high sugar recovery in the early season in Tropical India.

High cane yield.

CCS yield and sucrose.

Improved Plant and cane productivity with better juice quality.

Resistance to smut and susceptible to red rot.

Moderately tolerant to drought and salinity.

Parentage: Somaclonal variant of CoC 671.

Cane yield: 92.8 t/ha.

Sucrose at 12 months: 19.8%.

CCS yield: 13.04 t/ha.

Fibre: 11.44%.



Suitable Growing Region and Season:

Recommended for cultivation in Maharashtra and Karnataka.

Sugarcane: Co 2001-13 (Sulabh)

Characteristics and Special Features:

Mid-late maturing variety with high tillering and with good ratooning potential.

Resistance to disease: Resistant to red rot and moderately resistant to smut.

Tolerant to drought and salinity.

Parentage: Co 7806 PC.

Cane yield –108.6, t/ha.

Sucrose at 12 months - 19.0%.

CCS yield-13.39t/ha.

Fibre - A1 Quality Jaggery and moderate Fibre (13.43 %).



Suitable Growing Region and Season:

Recommended for cultivation in Peninsular Zone Gujarat, Maharashtra, Madhya Pradesh, Karnataka, Interior Andhra Pradesh Tamil Nadu and Kerala.

Sugarcane: Co 2001-15

Characteristics and Special Features:

Mid-late maturing variety suitable under normal and drought conditions.

Suitable for quality jaggery production.

Canes are tall and medium thick with light canopy.

Resistant to smut disease and internode borer.

Tolerant to Drought and salinity.

Parentage: Co 85002 x Co 775.

Cane yield: 108.2.

Sucrose at 12 months: - 18.9%.

CCS yield: 13.82 t/ha.

Fibre: 14.70%.

Jaggery: A1 quality.



Suitable Growing Region and Season:

Recommended for cultivation in Peninsular Zone – Gujarat, Maharashtra, Madhya Pradesh, Karnataka, Interior Andhra Pradesh Tamil Nadu and Kerala.

Sugarcane: Co 99004 (Damodar)

Characteristics and Special Features:

Has early vigorous growth.

Shy flowering, tall, erect canes and without spines on leaf sheath.

Resistant to red rot and tolerant to wilt and internode borer.

Tolerant to Drought and salinity.

Mid-late maturing variety with high cane yield.

Parentage: Co 62175 X Co 86250.

Cane yield –116.8.8 t/ha.

Sucrose at 12 months- 19.21.

CCS yield-13. 61 t/ha.

Fibre - 14% Fibre and gives golden yellow A1 quality jiggery.



Suitable Growing Region and Season:

Recommended for cultivation in the Peninsular Zone – Gujarat, Maharashtra, Madhya Pradesh, Karnataka, Interior Andhra Pradesh Tamil Nadu and Kerala.

Sugarcane: Co 0403

Characteristics and Special Features:

Early maturing variety,
The clone shows high cane population,
erectness, early vigorous growth.
Resistant to red rot and smut.
Moderately tolerant to Drought and
salinity.
Parentage: Co 8371 x Co 86011.
Cane yield: 108.2 t/ha.
Sucrose at 10 months: 18.9%.
CCS yield: 13.29 t/ha.
Fibre: 13.67 %.
A1 quality jiggery.



Suitable Growing Region and Season:

Recommended for cultivation in Peninsular Zone – Gujarat, Maharashtra, Madhya Pradesh, Karnataka, Interior Andhra Pradesh Tamil Nadu, Kerala

Sugarcane: Co 0238 (KARAN- 4)

Characteristics and Special Features:

Early maturing variety performing well in sub tropical region.

Resistant to red rot.

Tolerant to low temperature, water stress and water logging.

Parentage: CoLk 8102 x Co 775.

Cane yield: 81.1 t/ha.

Sucrose at 12 months: 18%.

CCS yield: 9.95 t/ha.

Fibre: 13.05%.

Jaggery: A1 quality with light yellow colour.



Suitable Growing Region and Season:

A non-lodging and non flowering early clone.

Recommended for cultivation in Punjab, Haryana, Rajasthan, Uttarakhand, Western and Central UP under North western Zone.

Sugarcane: Co 0118 (KARAN 2)

Characteristics and Special Features:

It is non-lodging and non-flowering early maturing variety for subtropical region.

Resistant to red rot and wilt.

Tolerant to water stress and water logging.

Parentage: Co 8347 x Co 86011.

Cane yield: 78.20 t/ha.

Sucrose at 12 months: 18.45%.

CCS yield: 9.88 t/ha.

Fibre: 12.78 %.

Jaggery: A1 quality with light yellow colour.



Suitable Growing Region and Season:

Recommended for cultivation in Punjab, Haryana, Rajasthan, Uttarakhand, Western and Central up under north western Zone.

Sugarcane: Co 0237 (Karan-8)

Characteristics and Special Features:

It is non-lodging and non-flowering early clone.

Resistant to red rot and mild resistance to mosaic diseases.

Tolerant to low temperature, water stress and water logging.

Parentage: Co 93016 GC.

Cane yield –71.33 t/ha.

Sucrose at 10 months – 18.78%.

CCS yield-9.34t/ha.

Fibre – 12.89 %.

The jaggery is of A1 quality with light yellow colour.



Suitable Growing Region and Season:

Recommended for cultivation in Punjab, Haryana, Rajasthan, Uttarakhand, Western and Central UP under North western Zone.

Sugarcane: KARAN 9 (Co 05011)

Characteristics and Special Features:

It is non-lodging and non-flowering early clone.

Resistance to diseases: Resistant / moderately susceptible to the prevalent races of red rot pathogen by plug and nodal method of inoculation.

Tolerant to low temperature, water stress and water logging.

Parentage: CoS 8436 X Co 89003.

Cane yield –82.47 t/ha.

Sucrose at 12 months – 18%.

CCS yield-10.24 t/ha.

Fibre – 12.75 %.

The jaggery is of A2 quality with light yellow colour.



Suitable Growing Region and Season:

Punjab, Haryana, Rajasthan, Uttarakhand, western and central UP under North Western Zone.

Sugarcane: Co 06027

Characteristics and Special Features:

Midlate maturing clone for Peninsular region.
Resistance to red rot.
Tolerant to drought and salinity.
Parentage: CoC 671 x IG 91-1100.
Cane yield: 109.66 t/ha.
Sucrose at 12 months: 19.32%.
CCS yield: 14.80 t/ha.
Fibre: 13.26 %.
The jaggery is of A1 quality.



Suitable Growing Region and Season:

Peninsular Zone comprising parts of Tamil Nadu, Andhra Pradesh, Karnataka, Maharashtra, Gujarat and Kerala.

Sugarcane: Co 06030

Characteristics and Special Features:

Midlate maturing clone.
Resistance to red rot and smut diseases.
Tolerant to drought and salinity.
Parentage: CoC 671 x IG 91-1100.
Cane yield –103.27 t/ha.
Sucrose at 12 months – 16.60%.
CCS yield- 11.21 t/ha.
Fibre – 13.59 %.
The jaggery is of A1 quality.



Suitable Growing Region and Season:

Coastal regions of Tamil Nadu, Andhra Pradesh, Odisha.

Sugarcane: Co 0232

Characteristics and Special Features:

Early maturing variety for North central zone.
Tolerant to waterlogging.
Resistant to red rot and wilt.
Cane yield: 67.8 t/ha.
Sucrose %: 16.51.



Suitable Growing Region and Season:

Recommended for cultivation in Eastern UP, Bihar, West Bengal and North East regions of North Central and North East Zones.

Sugarcane: Co 0233

Characteristics and Special Features:

This is a midlate maturing non- lodging and non flowering variety.
Becoming popular in Bihar.
Resistant to red rot and wilt.
Tolerant to waterlogging.
Has wider adaptability.
Cane yield: 67.8 t/ha.
Sucrose %: 17.5.



Suitable Growing Region and Season:

Recommended for cultivation in Eastern UP, Bihar, West Bengal and North East regions of North Central and North East Zones.