

**Sugarcane Variety 2009 V 127 (Co V 15-356) released as 'RANGA' in 2018  
from S.R.S., Vuyyuru**



2009 V 127 (Co V 15-356)- RANGA

1	Crop	Sugarcane
2	Variety	2009 V 127 (Co V 15-356)- RANGA
3	Parentage	87 A 298 (Co A 92081) GC
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	2018
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 120-13 t/ha, Juice sucrose 19.5 -20% CCS yield : 17.5 t/ha
10	Area Suitability	Suitable for irrigated and waterlogged conditions and also in areas with saline irrigation water
11	Salient features	High yielding, sucrose rich, early maturing, red rot resistant variety with thick canes and good ratoonability .



2003 V 46 (Co V 09-356)- BHARANI

1	Crop	Sugarcane
2	Variety	2003 V 46 (Co V 09-356)- BHARANI
3	Parentage	86 A 146 (Co A 92082) X 83 V 15 (Co V 92102)
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	2010
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 130-140 t/ha, Juice sucrose 19.5 -20% CCS yield : 20 t/ha
10	Area Suitability	Occupied large area in East-Coast zone of India. Highly suitable for waterlogging. Suitable for irrigated and waterlogged conditions and also in areas with saline irrigation water
11	Salient features	High yielding, sucrose rich, early maturing, red rot resistant variety with suitability for multi ratooning, high quality jaggery and mechanical harvesting. So far occupied 40% area in A.P. and also in cultivation in Tamilnadu and Orissa.



2000 V 59 (Co V 06-356)- SWATHI

1	Crop	Sugarcane
2	Variety	2000 V 59 (Co V 06-356)- SWATHI
3	Parentage	MS 6847 X Co 8213
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	2010
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 125-130 t/ha, Juice sucrose: 19%
10	Area Suitability	Suitable for irrigated conditions and uplands.
11	Salient features	High yielding clone possessing early vogour. Resistant to red rot and moderately susceptible to smut. Retains yield and quality upto 11 months.





83 V 15(Co V 92102)- KANAKA DURGA

1	Crop	Sugarcane
2	Variety	83 V 15(Co V 92102)- KANAKA DURGA
3	Parentage	Co C 671 X Co 6806
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	2002
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Mid-late (1-12 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 150 t/ha, Juice sucrose: 19-20%
10	Area Suitability	Occupied considerable area in East-Coast zone of India. Suitable for rainfed, water logged conditions, problematic soils and rainfed late planting.
11	Salient features	High yielding, high tillering clone. Good ratooner. Resistant to red rot and smut. Susceptible to post harvest deterioration. Gives good quality jaggery.



91 V 83(Co V 95101)- KRISHNA

1	Crop	Sugarcane
2	Variety	91 V 83(Co V 95101)- KRISHNA
3	Parentage	Co 798 X Co 62198
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	2002
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Mid-late (11-12 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 130 t/ha, Juice sucrose: 19-20%
10	Area Suitability	Suitable for irrigated and water logged conditions.
11	Salient features	Opening mill cane.Erect, sucrose rich, solid cane with longer internodes.Resistant to red rot (cf 419, cf 671 and cf 997 races ) and smut.Susceptible to GSD.Susceptible to post harvest deterioration.





81 V 48 (Co V 89101)

1	Crop	Sugarcane
2	Variety	81 V 48 (Co V 89101)
3	Parentage	N Co 310 X Co A 7602
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	1996
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 130 -150 t/ha, Juice sucrose: 20%
10	Area Suitability	Suitable for irrigated and water logged conditions.
11	Salient features	High yielding, sucrose rich, high tillering clone. Good ratooner. Resistant to smut. Succumbed to cf 419 race of red rot.



Co 8013

1	Crop	Sugarcane
2	Variety	Co 8013
3	Parentage	Co 740 X Co 6304
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	1996
6	Release through CVRC/ SVRC	SVRC
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 125 t/ha, Juice sucrose: 18-19%
10	Area Suitability	Suitable to irrigated conditions and rainfed areas.
11	Salient features	High yielding, sucrose rich, high tillering clone. Good ratooner. Resistant to red rot and smut. With drawn from cultivation due to new better performing clones.





93 V 297

1	Crop	Sugarcane
2	Variety	93 V 297
3	Parentage	Co 6304 GC
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	-
6	Release through CVRC/ SVRC	-
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 130 -140 t/ha, Juice sucrose: 20%
10	Area Suitability	Suitable to irrigated and waterlogged conditions. But, confined to uplands and borewell irrigated areas due to susceptibility to red rot.
11	Salient features	Opening mill cane.High yielding, sucrose rich clone with thick canes. Gives good quality jaggery. Tolerant to smut.Succumbed to <i>cf</i> 419 and <i>cf</i> 671 races of red rot.





86 V 96 (Co V 94101)

1	Crop	Sugarcane
2	Variety	86 V 96 (Co V 94101)
3	Parentage	Co 7704 X Co 775
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	-
6	Release through CVRC/ SVRC	-
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 130 t/ha, Juice sucrose: 19-20%
10	Area Suitability	Occupied considerable area in East-Coast zone of India. Suitable for I-D conditions and garden lands.
11	Salient features	Opening mill cane.High yielding, sucrose rich clone. Resistant to red rot and smut.Gives good quality jaggery.Can not tolerate drought and waterlogging.



2002 V 48

1	Crop	Sugarcane
2	Variety	2002 V 48
3	Parentage	Co 8013 GC
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	-
6	Release through CVRC/ SVRC	-
7	Crop duration	Mid-late (11-12 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 140 t/ha, Juice sucrose: 18-19%
10	Area Suitability	Suitable for irrigated, waterlogged conditions and uplands.
11	Salient features	High yielding clone. Each cane weighs more than 2 kg. Erect, non-lodging clone with good tillering ability. Good ratooner. Resistant to smut and field tolerant to red rot.





98 V 95

1	Crop	Sugarcane
2	Variety	98 V 95
3	Parentage	Co 8013 GC
4	Breeding Method	Bi-parental mating followed by selection
5	Year of release	-
6	Release through CVRC/ SVRC	-
7	Crop duration	Early (10 months)
8	Season	Kharif/Rabi
9	Potential yield	Cane yield 125-130 t/ha, Juice sucrose: 19%
10	Area Suitability	Suitable for irrigated, waterlogged conditions and uplands.
11	Salient features	High yielding clone with good girth. Resistant to red rot and smut.



Co T 8201

1	Crop	Sugarcane
2	Variety	Co T 8201
3	Parentage	Co 740 x Co 775
4	Breeding Method	Hybridisation followed by clonal selection.
5	Year of release	1982
6	Release through CVRC/SVRC	SVRC
7	Crop duration	Midlate: 12 months
8	Season	December - January
9	Potential yield	110 – 120 t/ha
10	Area suitability	Suitable for Rayalaseema districts
11	Salient features	<ul style="list-style-type: none"> <li>• High sucrose content (17-18%).</li> <li>• Resistant to red rot and smut diseases.</li> <li>• Tolerance to salinity.</li> </ul>





Swarnamukhi

1	Crop	Sugarcane
2	Variety	Swarnamukhi (2005T16/CoT10367)
3	Parentage	CoH 110 GC
4	Breeding Method	Open pollination of female parent, CoH 110 followed by clonal selection.
5	Year of release	2018
6	Release through CVRC/SVRC	SVRC
7	Crop duration	Early - 10 months
8	Season	January - February
9	Potential yield	120 – 130 t/ha Cane yield, 19%-20% Juice sucrose and 12.5 t/ha CCS yield.
10	Area suitability	Andhra Pradesh
11	Salient features	<ul style="list-style-type: none"> <li>➤ Moderately resistant to resistant against red rot, smut, wilt and pokkah boeing.</li> <li>➤ It is a good ratooner yielding good quality jaggery.</li> </ul>

