

Sugarcane Germplasm registered with NBPGR, New Delhi

Sl.No	Donor identity	National identity	INGR_No	Year	Pedigree	Developer	Novel unique features
1	IG 91-1100	IC0612055	INGR15031	2015	CoC 772 x Erianthus Polycross	N Vijayan Nair	Novel intergeneric hybrid with good seed setting
2	GU 04 (28) EO-2	IC0612056	INGR15032	2015	IND 90-776 (<i>Erianthus procerus</i>) x PIO 96-435 (Improved <i>S. officinarum</i>)	N Vijayan Nair and K Mohanraj	Regular flowerer with pollen fertility of 5.5% to be used as female parent in introgression
3	GU 04 (50)RE-16	IC0612058	INGR15033	2015	PIR 00-1100 (<i>Saccharum robustum</i>) x IK 76-91 (<i>Erianthus arundinaceus</i>)	N Vijayan Nair, K Sundaravel Pandian and K Mohanraj	Regular flowerer with good seed set (128 seedlings)
4	GU 08 SSH-66	IC0612060	INGR15034	2015	Co 0238 x SOS 250	K Mohanraj, N Vijayan Nair and A Suganya	High early sugar accumulation
5	99 WL-379	IC0612061	INGR15035	2015	Co 7313 x Co 96011	MN Premachandran, K Chandran and R Gomathi	High juice quality under water logged condition
6	Co 13001	IC635051	INGR20068	2020	Co 740 x CoT 8201	G Hemaprabha, S Alarmelu, C Appunu, RM Shanthi, K Mohanraj, P Govindaraj, A Anna Durai, Adhini S Pazhani, T Lakshmi Pathy and Bakshi Ram	High sucrose at 240 days. Short duration clone (Maturing @ 240 days). Sucrose % 19.40.
7	Co 14016	IC635052	INGR20069	2020	Co 86032 X Co 86011	G Hemaprabha, K Mohanraj, C Appunu, S Alarmelu, RM Shanthi, S Karthigeyan, P Govindaraj, A Anna Durai, Adhini S Pazhani, V	High cane population (number of millable canes 1,07,670/ha). Donor for ratoonability.

						8Sreenivasa, S Sheelamary, AJ P9rabhakaran and Bakshi Ram	
8	AS 04-2097	IC635053	INGR20070	2020	Co 8371 x SH 216	A Suganya, P Govindaraj, G Hemaprabha and Bakshi Ram	Drought tolerance. Interspecific hybrid with broadened genetic base.
9	CYM 08-922	IC635054	INGR20071	2020	CYM 07-971 X CoC 671	K Mohanraj, MN Premachandran, G Hemaprabha, S Vasantha, C Appunu, Adhini S Pazhani, VP Sobhakumari and Bakshi Ram	Potential pre-bred material for drought tolerance. Higher relative water content and lower malondialdehyde content under drought. Second Backcross progeny of the cross involving <i>Erianthus arundinaceus</i> and <i>S.spontaneum</i> having the cytoplasm of <i>E. arundinaneus</i> .
10	AS 04-1687	IC636675	INGR20110	2020	BO 102 x IND 84-337	A Suganya, P Govindaraj, A Selvi and G Hemaprabha	Drought tolerance. Water logging tolerance.
11	BM 1010-168	IC636674	INGR20111	2020	Co 98010 x (Co 1148 x SES 404)	P Govindaraj and Bakshi Ram	Drought tolerance. High relative water content under drought.
12	SBIEC 14006	IC636673	INGR20112	2020	IK 76-75 GC (Open pollination)	P Govindaraj and Bakshi Ram	High harvestable biomass. High fibre content.
13	SBI/2020/GU 07-2276/266	IC636676	INGR21067	2021	GU 04 (50) RE-9 X CoH 70	K Mohanraj, NV Nair, T Manjunatha, P Govindaraj, G Hemaprabha and Bakshi Ram	High cane yield (89.66 t/ha) under drought condition. Lowest reduction for single cane weight under drought. High Nitrogen (77.92 kg of dry biomass/kg of nitrogen))
14	Co 13003	IC638608	INGR21068	2021	Co 86011 x CoT 8201	G Hemaprabha, S Alarmelu, K Mohanraj, RM Shanthi and Bakshi Ram	High fibre (15.05%) in cane combining high sucrose (19.77%) content of commercial level.

15	Co 85019	IC646869	INGR22183	2022	Co 7201 x Co 775	R Nagarajan, C Mahadevaiah, V Sreenivasa, KV Bhagyalakshmi, G Hemaprabha, K Mohanraj, S Alarmelu, Bakshi Ram, Prakash Hapase and Ramesh Hapase	High cane and sugar yield (14.50 t/ha) under tillering phase drought stress
16	Co 98017	IC646870	INGR22184	2022	Co 8316 x Co 8213	Bakshi Ram, C Mahadevaiah, V Sreenivasa, G Hemaprabha, K Mohanraj, Prakash Hapase and Ramesh Hapase	High millable canes 74.68 (000/ha) and cane yield under tillering phase drought.
17	Co 17008	IC646871	INGR22185	2022	Co 0240 X Co 0214	G Hemaprabha, K Mohanraj, P Govindaraj, RM Shanthi, C Appunu, S Karthigeyan and Bakshi Ram	High cane thickness
18	Co 15002	IC646872	INGR22186	2022	1148-S4-242-4 x Co 94008, Co 99006, Co 8371 and Co 06027	A Anna Durai, G Hemaprabha, K Mohanraj, Ravinderkumar, R Karuppaiyan, T Lakshmi Pathy, R Viswanathan and Bakshi Ram	<p>Potential source for red rot resistance combined with smut and YLD resistance.</p> <p>A high yielding genotypes can be used in the sugarcane improvement without any further back crossing. Developed from a rare fifth generation inbred.</p>