

1. Achievements:

❖ SUGARCANE RESEARCH IN GUJARAT

- Sugarcane research was initiated in Gujarat at Vyara in 1934 during the tenure of the empire Sayajirao Gaikwad and very first variety Co 419 was released from this centre in 1936
- In 1958-59 Main Sugarcane Research Station was established at Kodinar thereafter in 1968-69, Regional Sugarcane Research Station at Navsari and Thasra were started simultaneously.
- In 1972-73 AICRP on sugarcane was started at Navsari and this centre was also included in fluff supply programme (i.e. hybridization/crossing) in 1982-83.
- Through AICRP trials total 13 varieties were endorsed by GAU/NAU. A total of 12 varieties have been released by Navsari centre through fluff supply programme (crossing programme) upto 2021-22.

✓ Varieties endorsed by G.A.U./N.A.U.

Sr. No.	Variety	Parentage	Year of released
1	Co 419 (Vyara Farm)	POJ 2878 x Co 290	1936-37
2	Co 775 (Kodinar)	POJ 2878 x Co 371	1972-73
3	Co 791 (Kodinar)	Co 449 x (POJ 2725 x <i>S. imperata</i>)	1972-73
4	Co 955 (Kodinar)	Co 683 x (POJ 2725 x <i>S. imperata</i>)	1972-73
5	Co 6806	Co 775 x Co 798	1981-82
6	Co 6304	Co 419 x Co 605	1981-82
7	CoA 7602	Co 1287 x Co 775	1982-83
8	CoC 671	Q 63 x Co 775	1984-85
9	Co 7527	Co 62175 x Co 658	1986-87
10	Co 62175	Co 951 x Co 419	1986-87
11	Co 8338	Co 7413 x Co 6806	1990-91
12	CoLk 8001	Co 62174 x Co 1	1996-97
13	Co 87263	Co 312 x Co 6806	1997-98

✓ **Varieties released by Main Sugarcane Research Station, NAU, Navsari
(Through Hybridization Programme)**

Sr.No.	Variety	Parentage	Year of released
1	CoN 91132	BO 91 x Co 1148	1996-97
2	CoN 85134	BO 91 x Co 775	2000-01
3	CoN 95132	Co 8213 x Co 62198	2001-02
4	CoN 03131	BO 108 x CoS 510	2004-05
5	CoN 05071	CoJn 86310 x Co 86249	2007-08
6	CoN 05072	Co 8213 x BO 91	2007-08
7	CoN 04131	Co 95021 x Co 8347	2011-12
8	CoN 07072	CoS 8436 x Co 86002	2013-14
9	CoN 09072	Co 0217 G.C.	2015-16
10	CoN 13073	CoN 91132 x CoC 671	2016-17
11	CoN 13072	Co 86032 GC	2017-18
12	CoN 15071	CoM 0265 x CoN 85134	2020-21
13	CoN 18071	Co 85002 P.C.	

FLUFF SUPPLY PROGRAMME (CROSSING PROGRAMME):

Sr. No.	Year	Crosses	GC/PC	No. of seedlings	C-I	C-II	C-III
1	2024	20	15+5=20	6300	420	-	-
2	2023	20	15+5=20	4778	449	88	-
3	2022	29	33+13 = 46	12712	925	211	41
4	2021	18	10+3 = 13	1339	250	104	39
5	2020	19	8+6=14	4591	278	159	51+6=57
6	2019	20	13+10=23	8610	951	153	50+6