

Research Activities

Ongoing major research trials and area under trials

[Season/Year:- *Kharif-2026-27*]

Plant Breeding Research Trials		Crop Improvement work	
1.	IVT (Early) of Pigeon pea	9.	F ₁ generation:- 15
2.	AVT-2 &1 (Early) of Pigeon pea	10.	F ₂ generation:-15
3.	S/LSVT (EE) of Pigeon pea	11.	F ₃ generation:-72
4.	S/LSVT (E) of Pigeon pea	12.	F ₄ generation:-48
5.	SSVT (M) of Pigeon pea	13.	F ₆ generation:-30
6.	LSVT (M) of Pigeon pea	14.	Crossing programme to generate 15 F ₁ hybrids
7.	S+LSHT (E) of Pigeon pea	15.	Germplasm of Pigeon pea: 200
8.	PET of Pigeon pea		
	Plant Pathology Research Trials		Agril. Entomolgy Research Trials
1.	Evaluation of soil amendments against wilt of pigeon npea	1.	Screening of IVT (Early) pigeon pea genotypes against pod borers and pod fly
2.	Biological management of stem canker of pigeon pea	2.	Screening of AVT(E) pigeon pea genotypes against pod borers and pod fly
3.	Evaluation of pigeon pea genotypes against wilt and SMD disease in wilt sick plot	3.	Screening of PET pigeon pea genotypes against pod borers and pod fly
4.	Screening of pigeon pea culture against SMD disease from junagadh	4.	Screening of SSVT (M) pigeon pea genotypes against pod borers and pod fly

5.	Screening of PET of pigeon against wilt and SMD disease in wilt sick plot	5.	Screening of LSVT (M) pigeon pea genotypes against pod borers and pod fly
6.	Evaluation of pigeon pea genotypes against wilt & SMD disease in wilt sick plot from Navsari		

Crop/variety-wise seed production

Year	Crop/Variety and Category of Seed					Total (Kg)
	GNP-2 (N)	GNP-2 (B)	GNP-2 (F)	GNP-2 (TF)	GT-113 (TF)	
2021-22	6.0	60	700	300	00	1006
2022-23	00	70	1400	1074	00	2474
2023-24	6.0	74	300	622	00	928
2024-25	8.0	50	298 (GT-110 TF)	1184	134	1674
2025-26	10.0	70	00	950	678	1708

Future research programmes

- NARP, Bharuch submitted new project in collaboration with CSSRI, Karnal under *Atmanirbharta in Pulses Mission* for development and deployment of salinity-tolerant Pigeon pea lines/varieties of different maturity groups for salinity affected areas (project under approval).

- **Development of high yielding short duration varieties having multiple resistance to diseases**
- **Development of new and efficient plant types**
- **Development of input use efficient genotypes**

Extension Activities

- Trainings and farmer programmes: *Khedut Shibir /Din* were organised every year.
- Demonstrations and field days: -Nil-

Farmer visits/advisory services:-

- Farmers of this region were frequently visiting this station regarding their concern of their crop as well as to purchase the seeds of improved varieties of pigeon pea.
- Similarly scientists of this station also visiting farmers field to attain the problems of farmers as well as for diagnostic visit at farmers field.

Other important extension activities:

- Participated actively in Krushi Mahotsav and Vikasit Krushi Sankalp Abhiyan.
- Organised farmer training programmes under the Narmada Kisan Samruddhi Pariyojana in collaboration with NARDES.
- Trained RAWE students in core farm operations, seed production, and crop breeding methodologies.
- Conducted diagnostic visits to pigeon pea fields in various Bharuch district villages to assist local farmers.
- Scientists of NAPR served as technical experts at Taluka-level Khedut Shibirs under the ATMA project.