

Information of Centre

Name of Centre	Nodal Officer (Megaseed) & Unit Head, Pulses and Castor Research Station, Navsari Agricultural University, Navsari, Gujarat		
Year of Establishment	Megaseed 2006-07	Pulses 1983-84	Castor 2009-10
Mandate of the Centre			
Megaseed	<ul style="list-style-type: none"> ➤ To produce required quantity of Breeder, Foundation, Certified and Truthful labelled seeds of cereals, pulses and oil seeds crops at university research centres/farms, KVK's and to emphasise participatory mode of seed production. ➤ Production of quality planting material of horticultural crops (Fruits, vegetable, plantation crops, spices etc.). ➤ To increase SRR by producing & distributing quality seeds to the farmers. ➤ To organise training programme of different aspects of quality seed production activities with different stakeholders. 		
Pulses	<ul style="list-style-type: none"> ➤ To develop location specific production technology. ➤ Dissemination of technology to the farmers. ➤ Monitoring the Pulse crops for diseases & pests. ➤ Seed production programme of all recommended varieties of pulses. 		
Castor	<ul style="list-style-type: none"> ➤ To evaluate and develop varieties/hybrids of castor suitable for local area. ➤ Development of agro- technology for castor cultivation 		

✚ Details of the land at the centre (ha.)

Cultivated	Irrigated	Non- Irrigated	Area under Infrastructure	Total
1.Megaseed				
-	-	-	Megaseed Office / Training hall/ Laboratory Building & Processing Unit	-
2.Pulses & Castor				
10.35	10.35	0.00	3.65 (Road/construction area)	14.00

✚ Details of the Scheme (2018-19)

Funding Agency	Title of Scheme/Project	Budget Head	Name of PI	Year of Starting
MEGASEED				
Plan	Strengthening Of seed Technology Sale for Seed Production Distribution Seed Village Concept Under , Navsari	12027	Dr. C. G. Intwala	2010-2011
ICAR	ICAR Seed Project "Seed Production in Agricultural crops"	A-2704-55	Dr. C. G. Intwala	2009-10
Other Agency	Mission For Integrated Development of Horticulture	18930	Dr. C. G. Intwala	2013-14

PULSES & CASTOR				
Plan	Strengthening Research on Pulses (Pigeonpea), Navsari	12007	Dr. D. A. Chauhan	21-12-1987
	Strengthening Research on Pulses (MULLaRP), Navsari	12016	Dr. D. A. Chauhan	04-06-2012
	Development of Abiotic Stress Tolerant Varieties of Pigeonpea	12034	Dr. D. A. Chauhan	01-10-2014
	Development Of Hybrids In Pigeonpea	12039	Dr. D. A. Chauhan	03-11-2014
	Genetic Enhancement Of Niche Crop Of South Through Conventional And Biotechnology Approaches (Pulses)	12946-A	Dr. D. A. Chauhan	11-06-2008
	Genetic Enhancement Of Niche Crop Of South Through Conventional And Biotechnology Approaches (Castor)	12946-B	Dr. D. A. Chauhan	11-06-2008
Non Plan	Project for Research in Pulse, Navsari	5007	Dr. D. A. Chauhan	27-06-1983
ICAR	AICRP on MULLaRP -TSP	2704-51	Dr. D. A. Chauhan	13-12-2017
	AICRP on MULLaRP (Voluntary)	2704-52	Dr. D. A. Chauhan	08-09-2017
	AICRP on Castor (Voluntary)	2096	Dr. D. A. Chauhan	02-11-2017
	TSP on Castor	2102	Dr. D. A. Chauhan	26-09-2017
GOI	-	-	-	-
Other Agency	-	-	-	-

Details of the Man Power at the Centre

Funding Agency	Name of employee	Designation	Pay Scale	B.H.
Plan	Dr. C. G. Intwala	Asso. Res.Sci. (PBG)	37400-67000 (9000)	12027
	Dr. D. A. Chauhan	Asso. Res.Sci. (PBG)	37400-67000 (9000)	12007
	Dr. R. S. Bhakta	Asstt. Res. Sci. (PBG)	15600-39100 (6000)	12007
	Miss. K. G. Patel	Agril. Asstt.	19950	12007
	Mr. U. C. Mahala	Agril. Asstt.	39900-126600	12007
	Mr. H. G. Nayaka	Jr. Clerk	19900-63200	12007
	Dr. V. M. Patel	Asstt. Res. Sci. (Agro)	15600-39100 (6000)	12016
	Prof. H. P. Patel	Asstt. Res. Sci. (Patho)	15600-39100 (6000)	12016
	Mr. P. A. Patil	Agril. Officer	38090	12016
	Mr. J. N. Ahir	Agril. Asstt.	25500-81100	12016
	Dr. A. B. Patil	Asstt. Res. Sci. (PBG) (Contract Basis)	15600-39100 (6000)	12034
	Vacant	Agril. Asstt.	-	12034
	Prof. Bineet. Kaur	Asstt. Res. Sci.(PBG)	15600-39100 (6000)	12039
	Miss. D. B. Parmar	Agril. Asstt.	19950	12039
	Dr. Ami Pathak	Research Associate	40000	12946-A
	Mr. C. S. Mogal	Junior Research Fellow	8000	12946-A
	Miss. Nidhi A. Patel	Junior Research Fellow	8000	12946-A
	Dr. V. A. Lodam	Research Associate	40000	12946-B
Non Plan	Mr. M. B. Patel	Sr. Res. Asstt.	39900-126600	5007
ICAR	Mr. S. B. Patel	Senior Research Fellow	27500	A-2704-55
GOI	-	-	-	-
Other Agency	-	-	-	-

+ Scheme wise Details of Experiments (2018-19)

1. Pulses & Castor

Funding Agency	B.H.	Season	Title of Experiments
Plan	12007	<i>Kharif</i>	Breeding Expt.: (Total-9) (1) Initial Varietal Trial (M) Pigeonpea (2) Initial Varietal Trial (ME) Pigeonpea (3) Large Scale Varietal Trial (M) Pigeonpea (4) Large Scale Varietal Trial (ME) Pigeonpea (5) Small Scale Varietal Trial (M) Pigeonpea (6) Small Scale Varietal Trial (ME) Pigeonpea (7) Large Scale Evaluation Trial (ME) Pigeonpea (8) Small Scale Evaluation Trial (D) Pigeonpea (9) Small Scale Evaluation Trial (Dt-veg) Pigeonpea Pathology Expt.: (Total-3) (1) Screening of pigeonpea entries against sterility mosaic disease(SSET) (2) Screening of pigeonpea entries against sterility mosaic disease[State trial] (3) Screening for LSVT mungbean entries against important disease and pest. [State trial]
		<i>Summer</i>	Breeding Expt.: (Total-5) (1) Initial Varietal Trial (EE) Mungbean (2) Initial Varietal Trial Mungbean (3) Large Scale Varietal Trial Mungbean (4) Small Scale Varietal Trial Mungbean (5) Large Scale Evaluation Trial Urdbean Pathology Expt.: (Total-4) (1) Screening of mungbean entries against Mungbean Yellow Mosaic (LSET-I & SSET) (2) Screening of urdbean entries against Mungbean Yellow Mosaic (SSET) (3) Screening for LSVT mungbean entries against important disease. [State trial] (4) Screening of mungbean entries against Mungbean Yellow Mosaic [AICRP trial]
	<i>Rabi</i>	Breeding Expt.: (Total-1) (1) Preliminary Evaluation Trial Mungbean	
	<i>Kharif</i>	Breeding Expt.: (Total-8) (1) Advanced Varietal Trial -2 Mungbean, (2) Large Scale Varietal Trial Mungbean (3) Small Scale Varietal Trial Mungbean (4) Advanced Varietal Trial -1 Urdbean (5) Initial Varietal Trial Urdbean (6) Large Scale Varietal + Small Scale Varietal Trial Urdbean (7) Large Scale Evaluation Trial Urdbean (8) Preliminary Evaluation Trial Urdbean Pathology Expt.: (Total-2) (1) Screening for SSVT+LSVT urdbean entries against important disease and pest. [State trial]	
	12034	<i>Kharif</i>	Breeding Expt.: (Total-1) (1) Large Scale Evaluation Trial (E) Pigeonpea
12039	<i>Kharif</i>	Breeding Expt.: (Total-4)	

			(1) Initial Hybrid Trial (M) Pigeonpea (2) Large Scale Hybrid Trial (ME) Pigeonpea (3) Small Scale Hybrid Trial (ME) Pigeonpea (4) Preliminary Hybrid Trial (E) Pigeonpea
	12946-A	<i>Rabi</i>	Breeding Expt.: (Total-7) (1) Preliminary Varietal Trial (Veg) Indianbean (2) Preliminary Varietal Trial (Dual) Indianbean (3) Small Scale Evaluation Trial (<i>desi</i>) Chickpea (4) Small Scale Evaluation Trial (<i>kabuli</i>) Chickpea (5) preliminary Varietal Trial (Early) Chickpea (6) Preliminary Varietal Trial (Salt) Chickpea (7) Preliminary Varietal Trial (Mech') Chickpea Agronomy Expt.: (Total-2) (1) Nutrient management in Indianbean <i>var.</i> , GNIB-21 & its ratoon crop sequence (2) Optimization of time of sowing and row spacing for Indian bean <i>var.</i> , GNIB-22 Pathology Expt.: (Total-1) (1) Screening of Indian bean entries against yellow mosaic and powdery mildew (SSET)
		<i>Summer</i>	Breeding Expt.: (Total-2) (1) Large Scale Evaluation Trial (Veg.) cowpea (2) Small Scale Evaluation Trial (Grain) cowpea Pathology Expt.: (Total-1) (1) Screening of cowpea entries against Yellow Mosaic (SSET & PET)
		<i>Kharif</i>	Breeding Expt.: (Total-2) (1) Large Scale Evaluation Trial (Veg) cowpea (2) Small Scale Evaluation Trial (G) cowpea
	12946 -B	<i>Rabi</i>	Breeding Expt.: (Total-3) (1) Large Small Varietal Hybrid Trial (Castor) (2) Small Hybrid Trial(Castor) (3) Preliminary Varietal Trial (Castor) Agronomy Expt.: (Total-1) (1) Response of rabi castor spacing under different sowing window with or without intercrop of indianbean <i>var.</i> , GNIB-21
Non Plan	5007	<i>Rabi</i>	Breeding Expt.: (Total-2) (1) Large Scale Varietal Trial (irr.) chickpea (2) Small Scale Varietal Trial (irr.) chickpea
ICAR	2096	<i>Rabi</i>	Breeding Expt.: (Total-1) (1) Initial Varietal Hybrid Trial-I & II (Castor)
GOI	-	-	-
Other Agency	-	-	-

✚ **Year wise achievements (Scheme wise):**

1. Megaseed

➤ **Seed production under ICAR Seed Project**

Particulars	Seed produce during last five year (In quintals)				
	2013-14	2014-15	2015-16	2016-17	2017-18
Breeder Seed	283	475	170	133	156
Foundation Seed	396	601	528	541	402
Certified Seed	2850	2791	2893	2815	2129
TFL Seed	1297	2048	1274	2140	1813
Total	4825	5915	4864	5629	4500
Planting Material (Sugarcane)	4040	5440	5,440	3467	1433.96
Sugarcane tissue culture plantlets + Single Eye Bud (Nos.)	441100	561000	275000	178344	95786
Banana tissue culture plantlets (Nos.)	22000	28000	26840	541	10858
Fruit crops (Nos.)	828500	405882	888342	335870	499744
Farmer Participatory Seed Production	13274	6757	-	-	-
Farmer Training	6	8	8	4	6
Bij Mela	-	-	-	1	-
Workshop	-	-	-	-	1

➤ **Seed production Under MIDH**

Sr. No.	Details of measures	2013-14	2014-15	2015-16	2016-17	2017-18
1. Production of quality planting materials.						
(I)	Turmeric rhizomes (Qty. in tones)	24	21	19	24	25
(II)	Garlic seed (Qty. in tones)	0.9	2	2	2.0	2
(III)	Black pepper cuttings (Nos.)	1000	1000	2000	0.300	2500
(IV)	Ginger (Qty. in tones)	-	1	-	-	-
2. Technology Dissemination Through FLD Organic Farming						
(I)	Turmeric	2	4	1	2.0	1
3. Transfer of Technology Programmer (Nos.)						
(I)	Farmers Training Programme	1	2	3	2	3
4. Status of Skill Development Trailing programme						
(I)	Skill development training (Florist)	-	-	-	-	1
(II)	Skill development training (Protected cultivation)	-	-	-	-	1

2. Pulses & Castor

➤ Name of Variety/Hybrid released and total No. of recommendation.

Year	12007	12016	12034	12039	12946
2017-18	GT-104	GM-7	-	-	-
2016-17	Reco. No. - 1	GM-6	-	-	GNIB-22
2015-16	-	-	-	-	GNCH-1
2014-15	-	Reco. No. - 1	-	-	-
2013-14	-	-	-	-	GNIB-21 & Reco. No. - 1
2012-13	-	-	-	-	Reco. No. -3
2011-12	Reco. No. - 1	-	-	-	-
2010-11	-	-	-	-	-
2009-10	-	Reco. No. - 1	-	-	-
2008-09	GBM-1	-	-	-	-
2007-08	Vaishali & Guj.Wal-2	-	-	-	-
2006-07	GT-102	-	-	-	-
2005-06	Reco. No. - 3	-	-	-	-
2004-05	Reco. No. - 3	-	-	-	-
2003-04	Reco. No. - 1	-	-	-	-
2002-03	-	-	-	-	-
2001-02	Reco. No. - 3	-	-	-	-
2000-01	-	-	-	-	-
1999-00	Co-4 & Guj.Wal-1	-	-	-	-
1998-99	Reco. No. - 1	-	-	-	-
1997-98	-	-	-	-	-
1996-97	Reco. No. - 1	-	-	-	-
1995-96	C-11 & No - 1	-	-	-	-
1994-95	Reco. No. - 2	-	-	-	-
1993-94	Reco. No. - 1	-	-	-	-
1992-93	Reco. No. - 3	-	-	-	-
1991-92	Reco. No. - 2	-	-	-	-
1990-91	-	-	-	-	-
1989-90	-	-	-	-	-
1988-89	-	-	-	-	-
1987-88	-	-	-	-	-
1986-87	-	-	-	-	-
1985-86	-	-	-	-	-
1984-85	-	-	-	-	-
1983-84	-	-	-	-	-

✚ Furnish the List of Instrument working under metrological observatory : NIL

Photographs of Mega seed Project



Megaseed Office



Laboratory



Training hall



Seed processing plan



On-Campus training on quality seed production of pulses Crop at Megaseed Project, NAU, Navsari



Off-Campus training on Pulses & Oil seed crops at Niger Research Station, N AU, Vanarasi



PCRS, NAU, Navsari



College Farm, NAU, Navsari

Monitoring team of breeder seed production



Pigeonpea Seed Production Plot, MCRS, Surat



Paddy Seed Production Plot at KVK, Waghai (Rambhas fam)



Mungbean Seed Production Plot, ARS, Mangrol



Turmeric Seed Production Plot, FRS, Gandevi



Chickpea Seed Production Plot, HMRS, Waghai



Wheat Seed Production Plot, WRS, Bardoli

Monitoring of seed production plot at different research stations

Photographs of Pulses & Castor Research Station



Implement shade



Farm building



Pulses Godown



Castor Godown



Indianbean *var.*, GNIB-21



Indianbean *var.*, GNIB-22



Mungbean *var.*, GM-6



Mungbean *var.*, GM-7



Indianbean *var.*, Guj. wal-2



Rabi Mungbean *var.*, Co-4



Pigeon pea *var.*, GT-104



Rabi Castor Hybrid GNCH-1