Information on Research Station

Name of centre	Regional Rice Research Station, NAU, Vyara
Year of Establishment	1934
Mandate of the centre	1. To develop high yielding fine grain, medium fine grain, coarse grain transplanted and drilled paddy varieties which are resistant to insect-pest and diseases. **2.** Production and distribution of quality paddy seed to farmers. **3.** To disseminate new production technology of paddy and oil seeds to farmers. 4. To develop high yielding groundnut varieties which are resistant to insect-pest and diseases..

Details of Land at the centre (ha.)

Cultivated	Irrigated	Non-irrigated	Area under Infrastructure	Total
21.20 ha.	15.00 ha.	6.20 ha.	6.61 ha.	27.81 ha

Details of Scheme (2021-22)

Funding Agency	Title of Scheme/ Project	Budget Head	Name of PI	Year of Starting
Plan	Project on Development of Hybrid Rice for increasing productivity	12015	Dr. V. P. Patel	2012-13
	Centre of excellence for Soil & Water management technology	12908		1999-2000
	Research in Paddy in Tribal Area	12916		2003-04
	Genetic enhancement of Niche crops of South Gujarat through conventional and biotechnological approaches-Rice	12946-C		2008-09
Non- plan	Strengthening Research in Rice	7003	Dr. V. P. Patel	1987
	Scheme for Research in Paddy	5003		1972
	Integrated Oil-seed Research Project	5008		2005
Other Agency	Paddy Hybrid Testing	18133-01	Dr. V. P. Patel	2017-18

Details of Manpower at the centre (31/03/2022)

Funding Agency	Name of employee	Designation	Pay scale	B.H.
Plan	Pro. S.R. Patel	Assist. Research Scientist(P)	57700-182400	12015
Non- plan	Dr. V.P. Patel	Associate Research Scientist	131400-217100	7003
	Mr. M.N. Chaudhari	Agricultural Officer	38090 Fixed	5003
	Mr. R.N. Chaudhari	Agricultural Superviser	39900-126600	
	Mr. N. R. Patel	Agricultural Assistant	19950 Fixed	
	Srmt.A.G. Ranveria	Senior Clerk	25500-81100	
	Mr. H.D. Gamit	Junior Clerk	19950 Fixed	
	Mr. K.J. Khatana	Agricultural Officer	39900-126600	5008
	Mr. C.C. Gamit	Agricultural Assistant	39900-126600	
	Mr. N.R. Patel	Agricultural Assistant	19950 Fixed	

Scheme wise detail of experiments (2022)

Funding Agency	B.H.	Season	Title of experiment
Plan	12946-C	*kharif*-2022	Preliminary Evaluation Trial-Hybrid
	12916		Large Scale varietal Trail-E-Drilled
	12916		Large Scale varietal Trail- Aerobic
	12916		Small Scale Varietal Trail- Aerobic
	12916		Preliminary Evaluation Trail-Aerobic
	12916		Preliminary Evaluation Trail-Drilled-I
	12916		Preliminary Evaluation Trail-Drilled-II
	12946-C		Initial Hybrid Rice Trial- Early (IHRT-E)
	12015		Initial Hybrid Rice Trial – Mid- Early (IHRT-ME)
	12908		Weed management practice in Aerobic rice
	12916		IURON
Non-plan	7003	*kharif*-2022	Large Scale Variety Trial – Early-Coarse
	5003		Large Scale Variety Trial – Early-Medium (LSVT-E-M)
	7003		Large Scale Variety Trial – Early-Fine (LSVT-E-F)
	7003		Large Scale Variety Trial –ML-Fine
	5003		Large Scale Variety Trial –ML-M
	7003		Large Scale Variety Trial –ML C
	7003		Large Scale Variety Trial – Aromatic
	7003		Large Scale Variety Trial –Bio fortified
	7003		Large Scale Variety Trial –Bio fortified- Red Rice
	7003		Small Scale Variety Trial –LB
	7003		Small Scale Variety Trial –M & C
	5003		Small Scale Variety Trial –LS
	7003		Small Scale Variety Trial – MS
	5003		Small Scale Variety Trial – SB

	7003		Small Scale Variety Trial – Biofort
	5003		Small Scale Variety Trial –Early
	7003		Preliminary Evaluation Trial-MS
	7003		Preliminary Evaluation Trial-Long bold-I
	7003		Preliminary Evaluation Trial-Long bold-II
	5003		Preliminary Evaluation Trial-Early
	5003		Large Scale Variety trial –RFTP
	5003		Small Scale Variety Trial –RFTP
	5003		Preliminary Evaluation Trial-RFTP
	5003		Large Scale Varietal Trial –Salt
	2032		Advance Variety Trial-1 Early-Transplanted (AVT 2-E-TP)
	2032		Advance Variety Trial 1 Early-Transplanted (AVT 1-E-TP)
	2032		Initial Variety Trial-Early- Transplanted (IVT-E-TP)
	2032		Advance Variety Trial- 2- Irrigated Mid- Early (AVT-2-IME)
	2032		Advance Variety Trial- 1- Irrigated Mid- Early (AVT-1-IME)
	2032		Initial Variety Trial- Irrigated Mid- Early (IVT-IME)
	2032		Advance Variety Trial 2- Medium Slender (AVT 2-MS)
	2032		Advance Variety Trial 2- Medium Slender (AVT 2-MS)
	2032		Initial Variety Trial-- Medium Slender (IVT-MS)
	2032		Advance Varietal Trail-2 Aerobic
	2032		Advance Varietal Trail-1 Aerobic
	2032		Initial Varietal Trail- Aerobic
	2032		Initial Varietal Trail- Early Direct Seeded (IVT-E-DS)
	2032		Advance Varietal Trail- 1-E-Direct seeded
	5003	*kharif*-2022	Screening of rice promising genotypes against blast disease of rice under artificial inoculation technique
	5003		Screening of rice promising genotypes against bacterial leaf blight disease of rice under artificial inoculation technique
	5008	*kharif*-2022	Management of collar rot disease of groundnut caused by *Aspergillus niger*
	5008		Evaluation and multiplication of Groundnut genotypes to identify the sources of resistance against stem rot caused by *Sclerotium rolfsii*

Year wise achievement (scheme wise):

Funding Agency	B.H.	Year	Achievements	Remarks
Plan	12908	2017-18	Farmers of south Gujarat heavy rainfall zone (AES-III), growing aerobic rice (variety GNR 3) are advised to sow crop at spacing of 15 cm or 20 cm between rows for achieving profitable yield.	Farmer Recommendation
	12908	2020-21	Farmers of Gujarat state, growing organic rice are advised to cultivate direct seeded rice varieties Purna and GR 5 with 50% RDN (37.5 kg N ha-1) through FYM on basis of nutrient content for achieving profitable yield.	Farmer Recommendation
Non-Plan	7003	2017-18	The false smut disease incidence was noticed higher in Vansda Taluka. The losses due to false smut of rice was estimated to be 0.029 (Dediapada Taluka) to 2.354 per cent (Vansda Taluka) in 50 surveyed villages of 10 taluka of South Gujarat. The false smut disease of rice has attained a major status in Vansda taluka and recorded maximum loss up to 28.02 per cent in the Kavdej village on hybrid rice during *Kharif* 2016.	Scientific Information
	7003	2017-18	Roving Survey was conducted in rice nurseries during summer season from the year 2015-2018 and found 18.64 per cent root knot disease incidence with 5.25 per cent gall index in infested rice nurseries of South Gujarat. Rice root knot pathogen was identified as *Meloidogyne graminicola* and is first reported in South Gujarat condition.	Scientific Information
	5003	2019-20	Summer paddy growers in South Gujarat are advised to seed soaking with azoxystrobin 23SC at 0.046% solution, 1ml /500 ml water soaked in one kg seeds for two hrs + Soil application with *Trichoderma harzianum* 1.5% wp (2x 106 cfu/gm) @ 1g/m^2 or seed treatment with azoxystrobin 23SC at 0.046% solution, 1ml /500 ml water soaked in one kg seeds for two hrs for better plant population.	Farmer Recommendation
	5008	2020-21	Summer groundnut growers of South Gujarat are advised to treat seeds with any of the following treatment to manage stem rot disease of groundnut under rice based cropping system to get maximum yield with highest return. Azoxystrobin 23 SC @ 1 ml mixed in 50 ml water/kg seed + soil application with *Trichoderma harzianum* (2×10^6 cfu/g) @ 2.5 kg/ha mixed in 100 kg FYM at the time of	Farmer Recommendation

			sowing OR Azoxystrobin 23 SC @ 1ml mixed in 50 ml water/kg seed OR Azoxystrobin 18.2 %+ Difenconazole 11.4 % SC @1ml mixed in 50 ml water/kg seed OR *Trichoderma harzianum* (2×10^6 cfu/g) @ 10 g mixed in 50 ml water/kg seed.	
	5008	2020-21	Eight genotypes of groundnut *viz*., GJG-32, ICGV-07222, Phule Vijya, GG-13, Jawan, NRCGCS-19, GAUG-1 and R-9281 found moderately susceptible against stem rot disease under sick plot condition.	Scientific Information
	5003	2021-22	Rice genotypes *viz*., NVSR-591, NVSR 3065, IR-64 and NVSR 3110 were found highly resistant against leaf blast disease while, Lalkada (LS), HR-12 (NS), NVSR-557, NVSR-592 and GNR-4 genotypes showed highly susceptible reactions under artificial inoculation field conditions.	Scientific Information
	5003	2021-22	Rice Genotypes *viz*., Mandakini Lambayeque and Aditya were found moderately resistant against sheath blight disease in artificial inoculation field conditions.	Scientific Information

Photographers:

1. **Office/ Gate – Board**

2.
3. **Experiment photos (New varieties/ MIS/ Intercrop)**

Navsari Parimal

Lal kada Gold

****