4. ACTIVITIES / ACHIEVEMENTS

1. Teaching:

(a) Under graduate teaching

Total 14 courses with 35 (15+20) credit load are being taught from first to eight semesters B.Sc. (Hons) in Agriculture

(b) Post graduate teaching

Post graduate teaching programme leading to M.Sc. (Agril) and Ph.D. degree total 25 courses are being taught with 65 (49+16) credit load.

(c) Other academic activities :

i) Practical crop production programme : Considering the principles of "earn while you learn" all the students of III and IV semester B. Sc. (Agri.) class are being allotted 5 guntha of land during *kharif* and *rabi*/ summer seasons, where in they have to grow rice/ sunnhemp (seed programme) crops and to carry out all the agricultural operations them selves right from sowing to harvesting with an objective to learn about the agronomic practices and economics of specific crop.

ii) Rural Agricultural Work Experience Programme (RAWEP) : under this programme one course Agron: 7.1 is offered during seventh semester of B.Sc.(Agri.). Under this programme students are deputed at research stations, Co-operative societies. NGOs working in south Gujarat as well as on farmers field to get the complete knowledge of agricultural and other activities related to farming of this area as well as rural work experience. A RAWEP teacher from this department is actively participate with students at various stay.

iii) Educational tour: The educational tour for VII semester B.Sc.(Agri.) students is organized every year for 21 days to visit the agricultural research and teaching institutes/centers of GAU., other NGO and the adjacent states. This is academic requirement for the students.

2. Research:

This department is also associated with research activities wherein several field experiments are being conducted year round under various research projects working under this department.

3. Extension:

i) Department is imparting training to the extension workers / officers of department of agriculture Gujarat state, Sugar factories officers / field staff;

Gujarat Land Development Corporation officers / field staff and farmers brings by various NGOs to develop their skill for improving crop production.

ii) Department staff is also actively participating in Krushi mela, Khedut Din, Khedut Shibir, Seminar, Radio and television programme time to time.

iii) Department is also imparting training to the students of various rural academic institutes.

vi) This department is also guiding farmers through publishing press notes in daily news paper on the agronomic aspects of major crops of this zone.

MAJOR COURSES OFFERED

(a) Under graduate teaching

To make the theory and practical note books for U.G. courses are being taught from first to eight semesters B.Sc. (Hons.) in Agriculture.

Undergraduate courses offered during odd semester

Sr. No.	Semester	Course Number	Title of course	Credits
1	First	Agron. 1.1 (New)	Introductory Agriculture and Principles of Agronomy	2+1
2	First	Agron.1.2 (New)	Field Crops-I (*Kharif*)	2+1
3	Third	Agron. 3.4 (New)	Practical Crop Production-I (*Kharif* crops)	0+1
4	Third	Agron. 3.5 (New)	Weed management	1+1
5	Fifth	Agron. 5.7 (New)	Water management including micro irrigation	2+1
6	Seventh	Agron. 7.10(New)	RAWE Programme Education tour	0+2 0+2

Undergraduate courses offered during even semester

Sr. No.	Semester	Course Number	Title of course	Credits
1	Second	Agron. 2.3 (New)	Field Crops II (*Rabi*)	2+1
2	Fourth	Agron. 4.6 (New)	Practical Crop Production-II (*Rabi* crops)	0+1
3	Sixth	Agron. 6.8 (New)	Organic Farming	1+1
4	Sixth	Agron. 6.9 (New)	Farming Systems and Sustainable Agriculture	1+1
5	Eighth	Agron. 8.11 (New)	Seed Production Technology	1+2
6	Eighth	Agron. 8.12(New)	Cultivation of commercially important medicinal and aromatic plants	1+1
7	Eighth	Agron. 8.13(New)	Commercial spices production	1+2
8	Eighth	Agron. 8.14(New)	Commercial seed production technology	1+2

(b) POST GRADUATE TEACHING

Since the inception of the department total 256 students (207 M.Sc. & 49 Ph.D.) have been awarded the post graduate degree in Agronomy as mentioned under.

Enrolled PG students in Department of Agronomy

Till date total enrolled students for PG studies in this department are 58, out of which 45 have enrolled for M.Sc. (Agri.) Agronomy and 13 for Ph.D. (Agri.) Agronomy.

Postgraduate courses offered during odd semester

Sr. No.	Course Number	Title of course	Credits
1	Agron. 503	Principles and practices of weed management	2+1
2	Agron. 504	Principles and practices of water management	2+1
3	Agron. 506	Agronomy of major cereals and pulses	2+1
4	Agron. 507	Agronomy of oilseed, fiber and sugar crops	2+1
5	Agron. 513	Principles and practices of organic farming	2+1
6	Agron. 601	Current trends in Agronomy	3+0
7	Agron. 604	Advances in crop growth and productivity	2+1
8	Agron. 512	Dry land farming	2+1
9	Agron. 606	Advances in weed management	2+0
10	Agron. 591	Masters seminar	1+0
11	Agron. 691	Doctoral seminar-I	1+0
12	Agron. 692	Doctoral seminar-II	1+0

Postgraduate courses offered during even semester

Sr. No.	Course Number	Title of course	Credits
1	Agron. 501	Modern concepts in crop production	3+0
2	Agron. 502	Principles and practices of soil fertility and nutrient management	2+1
3	Agron. 511	Cropping systems	2+0
4	Agron. 602	Crop ecology	2+0
5	Agron. 605	Irrigation management	2+1
6	Agron. 607	Integrated Farming Systems	2+0
7	Agron. 609	Stress crop production	2+1

Coaching to students for getting success in JRF/NET/ASRB

- ✓ Special lectures are delivered to students on need base with respect to JRF/NET/ASRB
- ✓ Nominate teachers for competitive examination preparation

Student's achievements in national competitions during last five years (2011-12 to 2016-17) of Department of Agronomy

Year	JRF	SRF	ARS-NET	Others (Specify)
2011-12	**-**	**-**	1	**-**
2012-13	**-**	**-**	-	**-**
2013-14	2	**-**	2	**-**
2014-15	3	**-**	10	**-**
2015-16	2	1	3	**-**
2016-17	5	2	10	
Grand Total	**12**	**3**	**26**	**-**

(c) Other academic activities :

i) Practical crop production programme : To fulfill the objective to learn about the agronomic practices and economics of specific crop through this PCP Programme by UG Students.

ii) Rural Agricultural Work Experience Programme (RAWEP) : Under this programme students are aware about the activities of research stations, Co-operative societies, NGOs working in south Gujarat as well as farmers field and get the complete knowledge of agricultural and other activities related to farming of this area as well as rural work experience.

Seed Production

Crop	Year (Seed production in kg.)				
	2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
Paddy	12715	23050	16515	22250	4075
Sunnhemp	4500	5900	5350	5650	5225

Other activities

Department of agronomy is also run a Zonal chapter, Indian Society of Agronomy. Following three state level seminars have been successfully organized jointly by Navsari chapter ISA and Gujarat Agricultural University.

i) Organic Farming for sustainable crop production in Gujarat state during April- 1995.

ii) Integrated Nutrient management in Rice / sugarcane based cropping systems during August - 2002.

iii) Organic Farming for Environmental safety and Agriculture Sustainability during March-2010

Research activity

Total **three research projects** are run by this department

i) Cropping System Research Centre (ICAR)

ii) Research in weed control in south Gujarat

iii) Grassland management and fodder development in south Gujarat

Current Research Schemes at Department

SN	Name of project	B.H.
Plan projects		
1.	Research in weed control	12929-02
2.	Establishment of forage research station at Navsari	12038
Non-plan projects		
1.	Instructional Farm	6119
ICAR		
1.	AICRP on Farming System Research	2040
Other agency		
1.	Bio-efficacy of new herbicide formulation for weed control in sugarcane	18004 **Completed**
Revolving fund scheme		9510-N 36

Laboratory instruments available in the department

1. **Automatic Nitrogen Analyzer**
2. **Leaf area meter**
3. **Fiber analyser**
4. **pH meter**
5. **EC meter**
6. **Spectrophotometer**
7. **Flame photometer**

Research Recommendation

Based on the research activities, total 98 agronomic package have been recommended for adoption of farmers

Sr. No.	Title and Recommendation	Agresco No. & Year
A. Cereal Crops		
1	Effect of different age of seedlings for transplanting paddy (*Oryza sativa* L.) varieties in summer season under South Gujarat conditions	VIII Agresco 25th -26th October, 1977
	For getting economical higher grain yield of summer rice, 50 days old seedlings of rice variety IR-22 may be transplanted under South Gujarat conditions.	
2	Response of rice (*Oryza sativa* L.) varieties to dates of transplanting in summer season under South Gujarat conditions	VIII Agresco 25th -26th October, 1977
	Rice variety IR-22 transplanted on 5th February gave the highest yield and realization in summer season under South Gujarat condition.	
3	To determine nitrogen and phosphorus requirement of paddy (*Oryza sativa* L.) varieties in summer season	VIII Agresco 25th -26th October, 1977
	For getting economical higher grain yield of summer rice under South Gujarat conditions, any one variety form kalinga-1, kalinga-2 and IR-22 should be selected for transplanting and be fertilized with 125 – 62.5 – 0 kg NPK/ha	
4	Effect of different dates of sowing and transplanting of (*Oryza sativa* L.) variety – GR-2	IX Agresco 15th -16th May, 1978
	It was concluded that rice variety GR-2 should be sown earlier on 15th june and should be transplanted with 21 days old young seedlings for getting higher production under South Gujarat conditions.	
5	To determine the proper spacing of new paddy (*Oryza sativa* L.) variety GAUR-2	IX Agresco 15th -16th May, 1978
	For getting higher production and income the rice variety GAUR-2 should be transplanted at 15 x 15 cm spacing under South Gujarat conditions.	
6	Determining the nitrogen and phosphorus requirement of different	IX

	varieties of paddy (*Oryza sativa* L.)	Agresco 15th -16th May, 1978
	It was concluded that paddy variety masuri should be grown in South Gujarat and be fertilized with 100-50-0 kg NPK/ ha for getting higher production.	
7	Determining the nitrogen requirement and its time of application for rice (*Oryza sativa L.*) variety GR-2	IX Agresco 15th -16th May, 1978
	It can be concluded that paddy variety GR-2 should be applied 125 kg nitrogen/ha in three splits (basal, tillering and boot stage) for getting higher production.	
8	Effect of different mulches on germination and growth of paddy (*Oryza sativa* L.) seedlings in winter season	IX Agresco 15th -16th May, 1978
	For getting higher germination and vigorous seedlings of summer paddy, the nursery should be protected from cold winds either by dome cover or flat cover of plastic sheet under South Gujarat conditions.	
9	Response of rice (*Oryza sativa* L.) variety Mashuri to age of seedlings at transplanting, method of transplanting and depth of planting	X Agresco 28th -29th May, 1979
	For getting higher profitable yield of rice variety mashuri, the farmers of South Gujarat should use young seedlings (24 days old) and transplanting should be done at shallow depth (2-3 cm) either by random or line planting method.	
10	To evaluate the performance of rice (*Oryza sativa* L.) varieties with graded fertilization under two cultural practices	IX Agresco 3rd – 4rd October, 1980
	To obtain higher economical production of rice, cultivar ratna should be selected and be fertilized with 120 kg N/ha and improved farm cultural practices be adopted.	
11	Effect of spacing on rice (*Oryza sativa* L.) varieties under South Gujarat conditions	XI Agresco 22rd – 23th may,1980
	It is recommended to grow paddy variety IR-22 at closer spacing of 15 x 10 cm for getting higher production under South Gujarat conditions.	
12	Efficient use of phosphatic fertilizer through slurry method in rice (*Oryza sativa* L.)	XXIII Agresco 22nd -24nd April, 1981
	For getting higher grain and straw production, rice crop should be fertilized with 20 kg P_2O_5 / ha through slurry (S.S.P. + Soil +	

	Water in ratio of 1:2:3 by weight) than the recommended dose of 50 kg P_2O_5 / ha through soil.	
13	Rate and time of nitrogen application for summer paddy (*Oryza sativa* L.)	XIV Agresco 12 th -13 th October, 1981
	The paddy variety IR-22 in summer season responded upto 140 kg N/ha. However, if farmers have limited funds, (considering ICBR) it is advisable to apply only 100 kg N/ha for getting maximum net profit per rupee invested. Application of 120 kg N/ha were also found profitable if farmers can invest more money. The time of application of nitrogen is not critical. So, farmers may apply above dose of nitrogen in single dose at time transplanting or in two to four splits within 40 days of transplanting.	
14	Nitrogen application time for masuri rice (*Oryza sativa* L.)	XV Agresco 17 th -19 th May, 1982
	The yield of masuri rice is not affected by applying 80 kg N/ha either by single dose as basal or in two/three splits. The time of application of nitrogen is thus not critical. Considering the availability of fund and fertilizer with the farmers, he may apply nitrogen to mashuri rice in two splits as per his convenience before panicle initiation stage.	
15	Response of rice (*Oryza sativa* L.) varieties to different methods of sowing in *kharif* season	27th Agresco 17 th -18 th April, 1983
	In South Gujarat conditions, higher production of *kharif* paddy can be obtained by transplanting seedlings as compared to other methods. Paddy variety Ratna is found profitable as compared to Pusa-33. Maximum production can be obtained by transplanting seedlings of paddy variety Ratna at 20 x 15 cm spacing.	
16	Nitrogen requirement for new varieties of rice (*Oryza sativa* L.)	XVII Agresco 17 th -18 th April, 1983
	It is recommended for the farmers to apply 120 kg/N ha for getting higher grain yield of transplanted paddy in *kharif* season in *kyari* land of South Gujarat. However, considering the economics they can get economical yield even by applying 80 kg N/ha. In case of paddy varieties all the varieties behaved equally well but comparatively GAUR-3 and Pusa -33 were found better for this region.	
17	Response of rice (*Oryza sativa* L.) varieties to mulch in nursery and age of seedlings at transplanting in summer season	XXVIII Agresco 6 th -7 th

	It is recommended to the farmers of South Gujarat that to obtain higher grain yield of paddy varieties Pusa-33 or CR 138-928, the seedlings may be raised either under paddy straw mulch (10 cm layer) or plastics flat cover, so as to get vigorous and tall seedlings for transplanting at the age of 30 days.	October, 1983
18	Date of seedling and age of seedlings at transplanting for late maturing rice (*Oryza sativa* L.) variety masuri in summer season	XXVIII 6^{th} -7^{th} October, 1983
	To secure higher grain yield from late maturing rice variety masuri in summer season, seeds should be sown in nursery on 30 th Nov. (last week of Nov.) and 55 days old seedlings should be used for transplanting under South Gujarat conditions.	
19	Response of rice (*Oryza sativa* L.) varieties to graded doses of nitrogen and phosphorus in summer season	XIX Agresco 21^{st}-22^{nd} May, 1984
	It is recommended for the farmers of South Gujarat to apply 120 to 180 kg N/ha, with the application of 60 kg P_2O_5 / ha to either variety GR-3 or kalinga-1 getting maximum and economical yield from summer paddy.	
20	Nitrogen management in transplanted paddy	33^{th} Agresco 1997
	It is recommended that for securing the maximum yield and benefit from transplanted paddy (Jaya), the crop should be fertilized with total 100 kg N^{-ha} in two splits 50 kg N ha^{-1} basal and 50 kg N ha^{-1} as top dressing at tillering stage (30DAS) under heavy rain fall area of South Gujarat. However the yield can be increased with application of N up to 150 kg ha^{-1}, beyond which is not advantageous. It is recommended that for securing the maximum yield (GR-11), the crop should be fertilized with total 100 kg N ha^{-1} in two 9plitting with 50 kg N ha^{-1}basal and 50 kg N ha^{-1}as top dressing at tillering stage (30DAS) under heavy rain fall area of South Gujarat. However the yield can be increased by application of N up to 150 kg ha^{-1}.	
21	Effect of delayed transplanting of uprooted seedlings and N levels on the yield and seedling recovery in *Kharif* and summer rice	35^{th} Agresco 1999
	The farmers of South Gujarat heavy rain fall zone AES-III are advised to transplant Jaya variety of paddy on same day of uprooting of seedling to secure the maximum yield, however transplanting of uprooted seedlings can be delayed up to 5 days in	

	Kharif season and 11 days in summer season without reduction in crop yield	
22	Effect of clipping and nitrogen management on the yield of paddy variety masuri.	35th Agresco 1999
	It is recommended that the farmers of South Gujarat heavy rain fall zone growing *Kharif* masuri paddy are advised to apply recommended dose of N (80 kg ha^{-1}) to avoid clipping and securing the maximum yield and reducing cost of cultivation.	
23	Nitrogen management in transplanted paddy (Navsari location)	35th Agresco 1999
	The farmers of South Gujarat heavy rain fall zone AES-III are advised to fertilized *Kharif* transplanted paddy (Jaya) with 100 kg N ha^{-1} in two equal splits 50 kg N ha^{-1} basal and 50 kg N ha^{-1} at tillering stage (30DAS) for securing the maximum grain yield. In case of missing the basal application due to adverse condition, it should be apply 100 kg N ha^{-1} at tillering stage without loss in yield	
24	Nitrogen management in transplanted paddy (Vyara location)	35th Agresco 1999
	The farmers of South Gujarat heavy rain fall zone AES-III are advised to fertilized *Kharif* transplanted paddy (Jaya) with 100 kg N ha^{-1} in two equal splits 50 kg N ha^{-1} basal and 50 kg N ha^{-1} at tillering stage (30DAS) for securing the maximum grain yield. In case of missing the basal application due to adverse condition, it should be apply 100 kg N ha^{-1} at tillering stage without loss in yield	
25	Effect of spot application of fertilizer with and without organic manure on the yield of *Kharif* and summer rice	39th Agresco April 2003
	The farmers of South Gujarat heavy rain fall zone AES-III, growing *Kharif* and summer rice var. Jaya are advised to apply 50% N and 100% P_2O_5 of R.D.(100-30 NP kg ha^{-1} for *Kharif* and 120-30 NP kg ha^{-1} for summer) through urea and SSP, respectively by spot application at 7 – 10 DATP along with Castorcake or Neem cake @ 5 q ha^{-1} and remaining half dose of N should be applied in two equal splits at tillering and panicle initiation stage for getting higher yield and economic return	
26	Real time nitrogen management through leaf colour chart in rice cultivar	13th Joint Combined Agresco, 5-7, April, 2017
	The farmers of south Gujarat heavy rainfall zone are advised to fertilizer the rice with 100 kg N/ha along with 30 kg P2O5/ha + 5 t	

	biocompost as per the leaf colour chart panel number four (2/5 N basal + other two doses through leaf colour chart) for getting higher yield and net return	
27	Impact of summer green manure crops on succeeding *kharif* paddy under integrated nutrient management	13th Joint Combined Agresco, 5-7, April, 2017
	The farmers of south Gujarat heavy rainfall zone growing *kharif* transplanted paddy are advised to adopt the practice of preceeding green manuring with *dhaincha* (fertilized 20:40:00 kg NPK/ha) and apply 75% RDF (75:22.5:00 kg NPK/ha) for succeeding paddy crop for getting higher yield and net return which can save 25% of fertilizer	

B. Pulses		
1	To ascertain the optimum inter row spacing and seed rate for green gram (*Vigna radiata* L.)*(*wilczek) GUJ-2 in hot weather season	XII Agresco 3 th -4 th October, 1980
	Sowing of summer moong with seed rate of 20 kg per hectare and with inter-row spacing of 30 cm is very ideal for securing higher grain yield under South Gujarat conditions.	
2	Response of moong (*Vigna radiata* L.)(wilczek) to different doses of nitrogen and phosphorus in hot weather season	XIII Agresco 22st -24 th May, 1981
	It was recommended that 20 kg nitrogen and 40 kg phosphorus per hectare should be applied to summer moong crop for obtaining maximum grain yield under South Gujarat conditions.	
3	Effect of phosphorus and nipping in irrigated gram (*Cicer arietinum* L.)	XVIII Agresco 6 th -7 th October, 1983
	Potential production and profit from irrigated gram (Dahod yellow) in low land condition under South Gujarat condition can be secured by the application of 50 kg P_2O_5 / ha. If there is short supply of fertilizer or fund, application of phosphorus at 25 kg P_2O_5 / ha is also profitable. Nipping at any stage is not found effective in increasing irrigated gram yield.	
4	Optimum seed rate and spacing for irrigated gram (*Cicer arietinum* L.)	XX Agresco 9th -10th October, 1984
	For getting higher grain yield of gram ‘Dahod yellow’ the crop should be sown by keeping 30 cm inter rows spacing with seed rate 60 kg/ha, under low land (Kyari) irrigated condition of South Gujarat.	

5	Inter cropping with pigeon pea (Var.Pusa Ageti)	XIX Agresco 21st-22nd May, 1984
	The intercropping of two rows of black gram (Anand 46-5) between two rows of early maturing variety of pigeon pea (Pusa Ageti) grown at 90 cm inter rows pacing is more remunerative under South Gujarat conditions.	
6	Spacing, Nitrogen and Phosphorus requirements of pigeon pea (*Cajanus cajan* L.) millsp) varieties	XIX Agresco 21st-22nd May, 1984
	For getting economical higher grain yield of pigeon pea under South Gujarat condition, a variety T-15-15 should be done at 90 cm spacing and should be fertilized with a basal application of 20-40 kg N- P_2O_5 / ha.	
7	Response of pigeon pea (*Cajanus cajan* L.) millsp) cultivar BDN-2 to dates of sowing and sowing methods	XXIV Agresco 21st-24th May, 1987
	Sowing of pigeon pea cultivar BDN-2 should be done immediately with the onset of monsoon either on flat bed or on ridges under South Gujarat condition for securing higher yield and net realization.	
8	Response of gram (*Cicer arietinum* L.) to graded levels of nitrogen and phosphorus with and without Rhizobium inoculation	XXIV Agresco 21st -24 th May, 1987
	It is recommended that for harvest of maximum economical yield of irrigated gram, the seeds should be treated with rhizobium culture before sowing and be fertilized with 25+50 kg N and P_2O_5 / ha as basal dose. In presence of rhizobium inoculation the nitrogen requirement of the crop can be reduced to 12.5 kg N/ha.	
9	Inter cropping with pigeon pea (Var. BDN-2)	XXVI Agresco 9th-11th April, 1990
	The farmers of South Gujarat of heavy rainfall zone are advised to take intercrops of either ground nut (1:1), soybean (1:1),green gram (1:2), or black gram (1:2) in pigeon pea (BDN-2) sown at distance of 120 x 30 cm for getting net realization of Rs. 15238, 13912,12641 and 12280 per hectare, respectively, over a sole crop of pigeon pea (Rs. 11358/ ha)	
10	To study the effect of row spacing, nitrogen and phosphorus on yield of clusterbean (*Cymopsis tetragonaloba* (L.) taub)	XXVII Agresco 30th April to 2nd May, 1991
	For securing higher grain yield (16.67 q/ha) and net profit (Rs. 2748/ha) from cluster bean (HG-75) crop during summer season, the farmers of South Gujarat heavy rainfall area should adopt 40 cm row spacing and fertilized the crop with 20 kg N and 40 kg P_2O_5 /	

	ha.	
11	Response of *rabi* green gram (*Vigna radiata* L.) to land configuration and inorganic fertilizer with and without FYM under south Gujarat condition.	X Agresco 12-13, March, 2014
	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to adopt raised bed system of sowing and fertilize the crop as per the recommended dose of fertilizer for getting higher profitable yield of *rabi* green gram (CO-4).	
C. Oil seeds		
1	Sowing time for ground nut (*Arachis hypogaea* L.) varieties in *kharif* season	XXI Agresco 31st May to 1st Jun, 1985
	For achieving higher pod yield of groundnut under South Gujarat conditions, variety M-13 should be sown immediately after onset of monsoon or within 10 days after onset of monsoon.	
2	Date of sowing, phosphorus and spacing requirement for summer groundnut (*Arachis hypogaea* L.)	XXII Agresco 25th -26th October, 1985
	For securing maximum pod yield of groundnut (GAUG-1) during summer season under South Gujarat region, the crop should be sown during the first week of February at a distance of 45 cm row spacing with an application of 25 kg P_2O_5 / ha.	
3	Sowing time and spacing requirement for niger (*Guizotia abyssinica* Cass)	XXVI Agresco 9th -11th April,1990
	For obtaining higher production (363 kg/ha) of niger under rainfed condition of South Gujarat in heavy rainfall zone, the farmers are advised to sow the crop at onset of monsoon with inter row spacing of 30 cm	
4	Effect of spacing, nitrogen and phosphorus levels on the yield of soybean (*Glycine max* (L) Merr.)	XXVI Agresco 9th -11th April,1990
	For obtaining higher grain yield (21.12 q /ha.) and CBR (1:10.4) the farmers of South Gujarat are advised to grow soybean variety Guj. 2 at 30 cm inter row spacing with application of 20 kg N/ha during *kharif* season.	
5	Fertilizer management in mustard	36th Agresco 1999
	The farmers of South Gujarat agro climatic zone AES-III , growing mustard GM-1 are advised to fertilized the crop with 10 t FYM + 75 kg N + 50kg P_2O_5 for maximum yield of mustard as well	

	as monetary realization	
6	Effect of date of sowing and soil conditioner on growth and yield of summer groundnut.	38th Agresco April 2002
	Farmers of South Gujarat heavy rain fall zone AES-III, growing summer groundnut are advised to sow groundnut during last week of December to first week of January and apply FYM @ 10 t ha^{-1} + Gypsum @ 1 t ha^{-1} in addition to recommended dose of fertilizer (25-50-0 NPK kg ha^{-1}) for obtaining higher production and net monetary return.	
7	Performance of *rabi* castor hybrids under different dates of sowing	5th NRM 5th & 6th April-2009
	The farmers of AES-III of South Gujarat heavy rainfall zone growing castor after paddy are advised to prefer castor variety GCH-5 and sowing should be done during second fortnight of October to first fortnight of November to secure higher production and net income.	

D. Forage		
1	Nitrogen requirement for fodder sorghum (*Sorghum vulgare* pers.)	XXVI Agresco 9th -11th April,1990
	For obtaining higher green (274 q/ha) and dry fodder (132 q/ha) yield of forage sorghum, variety IS-5026 is recommended for South Gujarat heavy rain fall zone and the crop need to be fertilized with 40 kg N/ha.	
2	Seed production potential of Oat as influenced by time of cutting and nitrogen application	6th NRM 20-22, April, 2010
	The farmers of AES-III of South Gujarat heavy rainfall zone growing oat for seed purpose are advised to avoid green fodder cutting for securing higher seed yield and net income. The crop should be fertilized with 120 kg N ha^{-1} in three equal splits i.e. basal, 30 and 45 DAS. Also, phosphorus @ 30 kg ha^{-1} should be applied as basal.	
3	Yield performance of fodder sorghum, maize and cowpea under sole and intercropping systems.	6th NRM 20th -22, April, 2010
	The farmers of AES-III of South Gujarat heavy rainfall zone are advised to follow fodder sorghum + cowpea intercropping system in 2:1 row ratio at 30 cm raw spacing to obtained higher green fodder yield and net income. The system also utilizes the land	

	resource efficiently.	
4	Phosphorus management in *rabi* Lucerne and its residual effect on succeeding *kharif* fodder Sorghum grown under different fertility levels	6th NRM 20th -22, April, 2010
	The farmers of AES-III of South Gujarat heavy rainfall zone growing Lucerne –fodder sorghum in sequence are advised to fertilize Lucerne with 50 kg P2O5 ha^{-1} through SSP along with VAM @ 2 kg ha^{-1}. The succeeding fodder sorghum should be fertilized with 50 per cent recommended dose (40 kg N + 20 kg P2O5 ha^{-1}) to obtained higher fodder yields and net profit.	
5.	Nitrogen and cutting management in *kharif* natural grass *Kanchru* (*Apluda aristata* L.).	7th meeting of NRM sub committee held at Navsari during 22nd and 23rd March, 2011.
	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to cultivate the natural grass *Kanchru* (*Apluda aristata*) fodder under three cutting management system along with the application of 120 kg nitrogen and 20 kg P_2O_5 per hectare. The nitrogen should be given in three split comprising 50% basal, 25% after first cut (45 DAS) and rest 25% after second cut (75 DAS). Farmers of the area are further advised to take three cuts from *Kanchru* fodder at 45 (first), 75 (second) and 105 (third) days after sowing.	
6.	Effect of cutting management and nitrogen levels on seed production and nutritional value of Lucerne (*Medicago sativa L*.)	12th Combined Joint Agresco of SAUs of Gujarat held on 11-13, April, 2016
	The farmers of AES-III of south Gujarat Heavy Rainfall Zone are advised to take seed production of lucerne after three cuts at 60, 100 and 130 days after sowing. It is also advised to fertilize 30 kg N, 50 kg P_2O_5 and 50 kg K_2O per hectare in three cutting management system of lucerne.	

	E. Weed Management	
1	Weed control in sugarcane (*Saccharum officinarum* L.)	XII Agresco 3rd -4th October, 1980
	For effective control of weeds in sugarcane, farmers of South Gujarat are advised to apply gramoxone @ 1.5 lit/ha + fernoxone 1.5 kg/ha at 4-5 weeks after planting	
2	Weed control in summer paddy(*Oryza sativa* L.)	XIII Agresco 22nd -24th April, 1981
	For getting higher production of rice and to control weeds in the summer, rice crop should be kept weed free by adopting two hand	

	weedings at 20 and 40 DAT or by applying oxadiazon (2% G) @ 0.5 kg a.i./ha	
3	Integrated weed management in transplanted rice (*Oryza satiava* L.)	XVII Agresco 17th -18th April,1983
	For getting higher production of *kharif* paddy, farmers of South Gujarat are advised to keep the paddy fields weed free upto 40 to 60 DAT either by hand weeding or by hand weeding + hoeing at 20 or 40 DAT or by application of butachlor @ 1.25 kg/ha or benthiocarb @ 2.5 kg/ha + one hand weeding at 40 DAT. But for getting economic higher yield, farmers are advised to use butachlor (G) @ 1.25 kg/ha (Butachlor 5 % G @ 25 kg/ha) or keep weed free condition upto 20 DAT with one hand weeding.	
4	Integrated weed management in onion (*Alium cepa* L.) bulb crop	XXVIII Agresco 6th -7th October, 1983
	Spraying of fluchloralin @ 0.9 kg/ha (Pre planting incorporation in 600 liters of water) + weeding at 40 DAT gave effective weed control in onion under South Gujarat conditions. But for economical yield, oxadiazon @ 0.5kg/ha (Pre emergence at 4 DAT) should be sprayed. Both these herbicides are safe for succeeding crops like cowpea, bean, sorghum and lady's figner. However, where cheap labourers are available, two hand weedings at 20 and 40 DAT were also equally good for getting the higher yield.	
5	Critical time of weed removal in summer groundnut (*Arachis hypogaea* L)	XXII Agresco 25th -26th October, 1985
	For obtaining increased pod and fodder yield, field of groundnut be kept weed free up to 45 days from sowing for summer groundnut GAUG-1 grown under South Gujarat.	
6	Bio efficacy test of anilghard (30 EC) and 2, 4-D ethyl ester (36 EC) as a weedicide in transplanted rice	XXIV Agresco May, 1987
	Considering the grain yield, straw yield, dry weed weight and economics, the weeds in transplanted paddy could be controlled effectively by spraying anilghard (30 EC) @ 0.40 lit. a.i. / ha at 4 days after transplanting or by carring out hand weedling at 20 and 40 DAT during *kharif* for South Gujarat region.	
7	Integrated weed management in pigeon pea (*Cajanus cajan* (L.) millsp)	XXIV Agresco 21st -24th April, 1987
	It is recommended that weeds in *kharif* pigeon pea (BDN-2) can	

	be controlled effectively under South Gujarat condition by spraying of herbicide pendimethalin 1.0 kg/ha as pre emergence supplemented by one interculturing at 60 DAS or by carring out two hand weeding at 30+60 DAS or by maintaining weed free condition throughout the crop growth period. The above methods were economical in order for getting optimum crop yield.	
8	Weed management in irrigated gram (*cicer ariaetinum* L.)	XXIV Agresco 21^{st} -24^{th} April, 1987
	In order to obtain maximum economical yield, gram crop should be hand weeded at 20 and 40 DAS in South Gujarat. Under labour shortage the pre-emergence application of fluchloralin or pendimethalin should be made at 1.0 kg a.i./ha.	
9	Critical time of weed removal in summer green gram (*Vigna radiata* (L) Wilczek)	XXIV Agresco 9^{th} -11^{th} April, 1990
	It is recommended that weed free condition should be maintained upto 30 days after sowing of summer green gram crop for obtaining its higher yield (14.0 q/ha) and net income (Rs.3689/- per ha) under South Gujarat heavy rainfall zone.	
10	Integrated weed management in transplanted cabbage	28^{th} Agresco April 1992
	For securing the maximum yield of cabbage and effective and economic weed management, the crop should be hand weeded twice at 20and 40 days after transplanting of spraying of Pendimenthalin @ 1.0 kg ha^{-1} or Fluchloralin @ 0.9 kg ha^{-1} along with one hand weeding at 40 DAT maybe done in cabbage crop under scarcity of laboures in the S.G. heavy rain fall conditions.	
11	Integrated weed management in transplanted cauliflower	29^{th} Agresco April 1993
	It is recommended that for securing the higher yield of Cauliflower and effective and economic weed management, the crop should be hand weeded twice at 20 and 40 days of the transplanting or spraying of pendimenthalin @ 1.0 kg ha^{-1} or Fluchloralin @ 0.9 kg ha^{-1} along with one hand weeding at 40 DAT may be done under scarcity of labourers in the S.G. heavy rain fall areas.	
12	Integrated weed management in Lucerne (Forge crop)	30^{th} Agresco 1994
	The farmers of South Gujarat heavy rain fall zone are advised to apply Fluchloralin 0.5 ai kg ha^{-1} in 500 litres of water as pre emergence for effective weed control and higher profitable green	

	fodder yield of lucerne	
13	weed management in summer rice nursery	30th Agresco 1994
	The farmers of S.G. heavy rainfall zone are advised to follow rabbing with paddy straw @ 4.0 kg/m^2 or application of Pressmud @ 2.0 kg/m^2 or one hand weeding at 15 days of the sowing or post sowing application of Pendimenthalin or butachlor @ 1.5 ai kg ha^{-1} as pre-emergence in 500 liters of water as per their conveniency for efficient weed control and raising healthy for summer rice seedlings.	
14	weed management in summer green gram	33rd Agresco 1997
	To obtain higher profitable yield of summer green gram, the farmer of S.G. heavy rainfall zone are advised for one hand weeding at 20 days after sowing. Incase of scarcity of laboures they are advised to apply Fluchloralin or Pendimenthalin or alachlor @ 1.0 ai kg ha^{-1} as pre emergence	
15	Integrated weed management in summer Groundnut under South Gujarat conditions.	40th Agresco April 2004
	The farmers of South Gujarat heavy rain fall zone AES-III, are advised to apply pendimenthalin (pre emergence @ 0.75 lit.$^{-ha}$ or oxyfluorfen 0.15 lit. ha^{-1} dissolved in 500 lit. of water along with one hand weeding at 45 days after sowing to obtain higher profitable yield of summer Groundnut and to keep the crop weed free	
16	Integrated weed and fertilizer management in okra under South Gujarat conditions.	1St NRM April 2005 NVS.
	For obtaining higher profitable green finger yield of *kharif* okra, the farmers of South Gujarat heavy rain fall zone AES-III are advised to fertilize the crop with fully decomposed FYM @ 15 t ha^{-1} in addition to recommend dose of 100-50-0 NPK kg ha^{-1}, coupled with Pendimethalin @ 1.35 kg ha^{-1} as pre emergence to keep the crop weed free without any harm full residual effect on succeeding crop of cabbage.	
17	Integrated weed management in summer bottle guard	2nd NRM April 2006 NVS.
	To obtain higher profitable fruit yield of summer bottle guard (Local-Pattiwali) the farmers of South Gujarat heavy rain fall zone AES-III are advised to keep their crop weed free using either protected spray of Glyphosate @ 1.2 kg ha^{-1} at 30 days after	

	sowing or Pendimethalin or Fluchloralin @ 1 kg ha^{-1} in 500 liters of water ha^{-1} as pre emergence.	
18	Response of *rabi* green gram (*Vigna radiata* L.) to weed management under South Gujarat condition.	5th NRM 5th & 6th April 2009
	The farmers of South Gujarat heavy rainfall zone III are advised to keep *rabi* green gram crop weed free either by two hand weeding at 20 and 40 days after sowing or two hand weeding coupled with hoeing at 20 and 40 days after sowing to obtain higher yield of *rabi* green gram cv. CO-4. Under the situation of shortage of labourers, they can adopt reemergence application of pendimethalin @ 0.75 kg ha^{-1} coupled with one hand weeding and hoeing at 40 days after sowing.	
19	Weed management in mango seedling nursery	5th NRM 5th & 6th April 2009
	The farmers of South Gujarat heavy rainfall zone AES-III raising mango seedlings are advised to apply atrazine or pendimethalin @ 2 kg a.i ha^{-1} as pre-emergence in 500 l of water/ha or mulching with paddy straw @ 10 t ha^{-1} or interculturing at 30, 60 and 90 days after sowing to keep mango seedling nursery weed free thereby fetching higher return and quality seedlings.	
20.	Response of sweet corn (Zea mays L. saccharata) to plant population and weed management and its residual effect on succeeding green gram under south Gujarat conditions	7th meeting of NRM sub committee held at Navsari during 22nd and 23rd March, 2011.
	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to harvest higher profitable green cob yield of *rabi* sweet corn Cv. Madhuri by sowing the crop at 45 cm x 20 cm and to apply atrazine @ 1.0 kg/ha as pre-emergence coupled with hand weeding at 40 DAS or keeping the crop weed free by adopting three hand weeding without any adverse residual effect on succeeding summer green gram crop.	
21.	Interactive effect of weed management and fertilizer levels on onion (*Allium cepa* L.) bulb crop under south Gujarat condition	8th meeting of NRM sub committee held at Navsari during 2nd and 3rd April, 2012.
	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to apply pendimethalin @ 1 kg ha^{-1} as pre emergence + one hand weeding at 40 days after transplanting along with 100% RDF(100:50:50 kg NPK ha^{-1}) for getting higher weed control efficiency and profitable onion bulb yield.	

22	Study of critical period of crop-weed competition in *rabi* castor (*Ricinus communis* L.) under south Gujarat conditions.	9th meeting of NRM sub committee held at Navsari during 5th and 6th April, 2013.
	The farmers of South Gujarat heavy rainfall zone (AES-III) are advised to keep the *rabi* castor field weed free from 45-90 days after sowing which is critical period for crop weed competition for getting higher yield and profit.	
23	Weed management in sugarcane var. Co 99004 under south Gujarat condition	13th Joint Combined Agresco, 5-7, April, 2017
	The sugarcane growers of south Gujarat heavy rainfall zone are advised to manage the weeds by hand weeding at 30, 60 and 90 days after planting and interculturing at 45 and 90 DAP for securing higher yield and net return.	
24	Integrated weed management in *rabi* sorghum (*Sorghum bicolor* L.) under south Gujarat condition	13th Joint Combined Agresco, 5-7, April, 2017
	The farmers of south Gujarat heavy rainfall zone growing *rabi* sorghum are advised to adopt two interculturing and hand weeding at 20 and 40 DAS for effective weed management, for realizing higher grain and net return	
25	Weed and nitrogen management in aerobic rice	13th Joint Combined Agresco, 5-7, April, 2017
	The farmers of south Gujarat heavy rainfall zone are advised to apply 120 kg N/ha in three splits (40% N as basal, 40% a tillering and 20% at panicle initiation) and 30 kg P_2O_5/ha as basal along with two two hand weeding at 20 and 40 DAS for getting higher yield and net return with efficient weed management in aerobic rice. Under crisis of labour the adverse condition due to continuous rainfall, farmers are advised to control weed by spraying of pretilachlor @ 0.75 kg/ha as pre-emergence and bispyribac sodium salt @ 0.05 kg/ha as post emergence after 20 DAS along with 120 kg N/ha in three splits (40% N as basal, 40% at tillering and 20% at panicle initiation)	
26	Weed management in sugarcane var. Co 99004 under south Gujarat condition (for scientific community)	13th Joint Combined Agresco, 5-7, April, 2017
	Apply either metribuzin 1 kg/ha or atrazine 2 kg/ha as pre-emergence followed by one hand weeding and one interculturing at 60 DAP for effective management of weed in sugarcane.	

27	Integrated weed management in *rabi* sorghum (*Sorghum bicolor* L.) under south Gujarat condition (for scientific community)	13th Joint Combined Agresco, 5-7, April, 2017
	Application of atrazine @ 0.5 kg/ha as pre-emergence and one interculturing and one hand weeding at 20 DAS was found effective for weed management in *rabi* sorghum.	

F. Water management		
1	Determination of critical growth stages for irrigation to summer groundnut (*Arachis hypogaea* L.)	XXIV Agresco 21st - 24th May, 1987
	It is recommended for the summer groundnut growers in South Gujarat that the critical stages for irrigating groundnut crop are branching, flower initiation, peg formation, peg penetration, pod formation and pod development. This crop required in all total eight irrigations (including 2 common primary irrigations) consuming 600 mm of irrigation water for optimum economical production.	
2	Water management for Indian bean (*Dolichos lablab* L.*)*	XXVI Agresco 9th -11th April, 1990
	The farmers of South Gujarat in heavy rainfall zone growing Indian (kadva val 125-36) are advised to irrigate the crop in furrow at branching, flowering, pod formation and grain filling stages in addition to pre-sowing irrigation for obtaining higher grain yield (23.09 q/ha) In scarcity of water, it is also recommended to irrigate the Indian bean crop at flowering stage only in addition to pre-sowing irrigation.	
3	Response of summer grain legumes to irrigation and their residual effect on N economy of succeeding *Kharif* rice	28th Agresco April 1992
	The farmers of South Gujarat are advised to grow green gram in kyariland during summer season with 3to5 irrigations and then after paddy with 100kg N /ha to obtain maximum return .	

	G. Crop Sequence	
1	Paddy based *rabi* cropping system for South Gujarat.	XX Agresco 9th -10th October, 1984
	For obtaining higher net realization under low land condition of South Gujarat, after *kharif* transplanted paddy, it is recommended to grow gram or onion bulb crop instead of mustard, wheat, Indian bean, maize, coriander, garlic, safflower and fenugreek in *rabi* season.	

2	Fertilizer management in paddy based cropping sequence (Residual moisture)	30th Agresco 1994
	It is recommended that for securing the maximum yield of *Kharif* paddy (GR-11),the crop should be fertilized with 100 N kg+50kg P_2O_5 ha^{-1} under heavy rainfall area of South Gujarat. After harvesting of *Kharif* paddy, *rabi* crop like gram and Indian bean should be grown on residual moisture without fertilizer application for getting maximum net profit	
3	Identification of need based cropping system for different Agroclimatic condition	40th Agresco April 2004
	The farmers of South Gujarat heavy rain fall zone AES-III, are advised to adopt the paddy (GR-3)-wheat (GW-496)-green gram (K-851) or paddy(GR-3)-Sorghum (F)-Groundnut (GG-2) crop sequence for getting higher production and net realization.	
4	Effect of phosphorus with and without organic manure on yield of rice crop sequence (var. Jaya)	3rd NRM April 2007 Anand
	The farmers of South Gujarat heavy rain fall zone (AES-III) following paddy (k) - paddy (s) crop sequence are advised to apply pressmud @ 10 t ha^{-1} + 75% RDP (22.5 kg P_2O_5 ha^{-1}) in addition to recommended dose of nitrogen to both crops for obtaining profitable yield as well as sustaining soil fertility.	
5	Integrated nutrient management in paddy – paddy crop sequence in South Gujarat	3rd NRM April 2007 Anand
	The farmers of South Gujarat heavy rain fall zone (AES-III) following paddy (k) - paddy (s) crop sequence are advised to apply to fertilizer as per the soil test values. They are advised to apply recommended doses of N,P and K (120:30:00 kg ha^{-1}) or FYM @ 6 t ha^{-1} + poultry manure @ 1.5 t ha^{-1} + 60 kg N ha^{-1} to both the crops.	
6	Integrated nutrient management in paddy based cropping sequences.	3rd NRM April 2007 Anand
	The farmers of South Gujarat heavy rain fall zone are recommended to adopt following nutrient management packages for *kharif* paddy based cropping sequences for realizing higher yield and income.	
	Option – I : For realizing higher net income	

	1	Paddy – Indian bean			
		Paddy	:	120:30:00 NPK kg ha^{-1}	
		Indian bean	:	20:40:00 NPK kg ha^{-1}	
	2	Paddy – Groundnut			
		Paddy	:	120:30:00 NPK kg ha^{-1}	
		Groundnut	:	25:50:00 NPK kg ha^{-1}	
	Option – II : For optimum yield and maintaining soil fertility				
	1	Paddy – Indian bean			
		Paddy	:	FYM 6.0 t ha^{-1} + poultry manure 1.5 t ha^{-1} + 60 kg N ha^{-1}	
		Indian bean	:	FYM 1.0 t ha^{-1} + poultry manure 250 kg ha^{-1} + 10 kg N ha^{-1}	
	2	Paddy – Groundnut			
		Paddy	:	FYM 6.0 t ha^{-1} + poultry manure 1.5 t ha^{-1} + 60 kg N ha^{-1}	
		Groundnut	:	FYM 1.25 t ha^{-1} + castor cake 150 t ha^{-1} + 12.5 kg N ha^{-1} or FYM 5.0 t ha^{-1}	
7	Cropping systems : Diversification and /or Intensification				4th NRM 2008
	The farmers of AES-III of South Gujarat heavy rainfall zone are advised to adopt the early group of Paddy (GR-3)- Fenugreek (V) - Okra or Paddy (GR-3) - Onion - Cow pea (V) crop sequences for securing higher production and net income.				
8	Integrated nutrient management in Paddy – Sugarcane (2 years) cropping sequence.				4th NRM 2008
	The farmers of South Gujarat heavy rainfall zone are recommended to adopt following nutrient management package for *kharif* paddy - sugarcane (2 years) sequence for realizing higher yield and income.				
	Crop sequence	Nutrient management package			
	Option : I For realizing higher net income based on soil test values				
	Paddy - Sugarcane N : P : K kg/ha	Paddy - 110 - 30 - 00	Sugarcane (Plant)- 280 - 125 - 45	Sugarcane (Ratoon)- 310 - 125 - 75	
	Option :II For improving soil fertility and net income				
	Paddy - Sugarcane	FYM 6.0 t ha^{-1} + Poultry manure 1.5 t ha^{-1} + 60 kg N ha^{-1}	FYM 12.5 t ha^{-1} + Poultry manure 3125 kg ha^{-1} + 125 kg N ha^{-1}	FYM 15 t ha^{-1} + Poultry manure 3750 kg ha^{-1} + 150 kg N ha^{-1}	
9	Identification and or diversification of present crop sequence				9^{th}

	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to adopt Paddy-Sorghum (G) – Sorghum (G) or Paddy – Maize sweet corn – Black gram crop sequences for securing higher production and net income.	meeting of NRM sub committee held at Navsari during 5th and 6th April, 2013
10	The farmers of South Gujarat heavy rainfall zone (AES-III) are advised to adopt the paddy-sorghum (G)-sorghum ratoon (G) sequence or paddy - sweet corn - black gram crop sequence for securing higher production and net income. However, for maintaining soil health and securing higher production farmers are advised to adopt paddy - greengram - groundnut crop sequence.	9th Combined AGRESCO meeting held at Sardarkrushinagar, during 6th-8th May, 2013
11	Effect of integrated nutrient management in rice-green gram cropping sequence under south Gujarat condition	12th Combined Joint Agresco of SAUs of Gujarat held on 11-13, April, 2016
	The farmers of AES-III of south Gujarat heavy rainfall zone are advised to fertilize the *kharif* rice crop with 100:30:00 kg NPK/ha + 10 t FYM and 20:40:00 kg NPK/ha to succeeding *rabi* green gram crop followed by 100:30:00 kg NPK/ha + 10 t FYM to *kharif* rice and 10:20:00 kg NPK/ha to *rabi* green gram followed by 75% RDN through chemical fertilizer + 25% RDN through vermicompost to *kharif* rice and 20:40:00 kg NPK/ha to *rabi* green gram for getting higher system profitability of rice-green gram cropping sequence.	
12	Permanent plot experiment on integrated nutrient supply system in a cereal based crop sequence	12th Combined Joint Agresco of SAUs of Gujarat held on 11-13, April, 2016
	The farmers of AES-III of South Gujarat heavy Rain fall Zone are advised to integrate the inorganic fertilizers with FYM or Green manure (50:50) in rice crop under rice-wheat crop sequence for securing at par equivalent yield by improving efficiency of applied inorganic fertilizers and enhanced soil fertility status over 100 % inorganic fertilizer. In addition to that combined use of inorganic fertilizers with FYM or Green manure (75:25) to rice crop save 25 % RDF in succeeding wheat crop.	
13	Management of cropping systems for resource conservation and climate change	12th Combined Joint Agresco of SAUs of Gujarat held on 11-13, April, 2016
	The farmers of AES-III of South Gujarat Heavy Rainfall Zone are advised to adopt the rice-sorghum-greengram crop sequence without mulch/residue incorporation with 25% higher dose of RDF under conventional tillage for securing higher paddy equivalent and net profit. However for lower down soil bulk density, rice-green manuring-groundnut crop sequence with mulch/residue incorporation along with 25% higher RDF under minimum tillage, while, improving organic carbon content of soil, adopt rice-*rabi* castor-castor continue (residue incorporation) crop sequence can be adopted.	
14	Development of organic farming package for system based high value crops	12th Combined

<table>
<tr><td></td><td>For getting at par equivalent yield, higher net profit and improving organic carbon content of soil under organic nutrient management, the farmers of AES-III of South Gujarat Heavy Rain fall Zone are advised to apply 1/3 of FYM + 1/3 of vermicompost +1/3 of castor cake (each equivalent to recommended N) under rice- summer groundnut crop sequence.</td><td>Joint Agresco of SAUs of Gujarat held on 11-13, April, 2016</td></tr>
<tr><td>15</td><td>Potash status in soil as affected by intensive cropping (rice-wheat–green gram) under medium and high fertility levels with and without application of potash (for scientific community)

Rice-wheat-green gram cropping sequence was found sustainable even after 28 crop cycles without addition of potassium in soil, but there was depletion of about 39% and 36% of source-K (HNO_3 soluble K) in surface soil (0.0-22.5 cm) and sub surface (22.5-45.0 cm) layer, respectively at the end of 28 crop cycles
Recommendation for application of nitrogen fertilizer based on soil available nitrogen
<table>
<tr><th>Category</th><th>Application of nitrogen (Kg/ha)</th><th>Recommendation</th></tr>
<tr><td>Very low</td><td>< 140</td><td>Apply 50% more over recommended dose</td></tr>
<tr><td>Low</td><td>141 - 280</td><td>Apply 25% more over recommended dose</td></tr>
<tr><td>Normal</td><td>181 - 420</td><td>As per recommended dose</td></tr>
<tr><td>Normally high</td><td>421 - 560</td><td>As per recommended dose</td></tr>
<tr><td>High</td><td>561 - 700</td><td>Apply 25% less over recommended dose</td></tr>
<tr><td>Very high</td><td>> 700</td><td>Apply 50% less over recommended dose</td></tr>
</table>
Recommendation for application of Phosphorus fertilizer based on soil available Phosphorus
<table>
<tr><th>Category</th><th>Application of phosphorus (Kg/ha)</th><th>Recommendation</th></tr>
<tr><td>Very low</td><td>< 10</td><td>Apply 50% more over recommended dose</td></tr>
<tr><td>Low</td><td>11 - 20</td><td>Apply 25% more over recommended dose</td></tr>
<tr><td>Normal</td><td>21 - 30</td><td>As per recommended dose</td></tr>
<tr><td>Normally high</td><td>31 - 40</td><td>As per recommended dose</td></tr>
</table></td><td>13th Joint Combined Agresco, 5-7, April, 2017</td></tr>
</table>

	High	41 - 55	Apply 25% less over recommended dose	
	Very high	> 55	Apply 50% less over recommended dose	
H. Commercial crops				
1	Effects of different inter and intra row spacing on growth and yield of mulberry under irrigated condition in South Gujarat.			30th Agresco 1994
	The farmers of S.G. heavy rainfall zone are advised for securing the maximum yield of green leaves of mulberry (M-5), the crop should be planted at 90cm inter row distance and 60 cm intra row distance.			
2	Effect of manuring on soil health and productivity of periodical planted and ratoon crops of sugarcane			40th Agresco April 2004
	The farmers of South Gujarat heavy rain fall zone AES-III, planting sugarcane (November-March) are advised to follow either green manuring practice with sun hemp two months prior to sugarcane planting or FYM @ 10 t ha^{-1} + castor cake @ 0.5 t ha^{-1} besides the R.D. of in organic fertilizer for securing economical higher production of plant and ratoon (Co. N 91132) and well as to maintain soil fertility			

Publication (2004-2017)

Sr. No.	Name(s) of Authors in order (Sole / Sr. / Co-author)	Title of the paper (Vol. No. and Issue No.)	Name of the Journal
(i) Research Paper Published in International Journal			
1.	Parmar P. P. and Thanki J. D.	Effect of irrigation, phosphorus and biofertilizer on growth and yield of *rabi* green gram (*Vigna radiata* L.) under south Gujarat condition.(2007) 34(3):282-284.	Crop Research (An International journal)
2.	Patil U. D., Dhanphule S. S. and Arvadia M. K.	Effect of organic manure and inorganic fertilizers application on growth and yield attributes of fenugreek (*Trigonella foenum-graecum* L.) (2008) 3 (1): 233-234	Internat. J. Plant Sci.
3.	Patil U. D., Dhanphule S. S. and Arvadia M. K.	Yield, nutrient content and uptake by fenugreek (*Trigonella foenum-graecum* L.) as influenced by organic manure and inorganic fertilizer. (2008) 3	Internat. J. Plant Sci.

		(1): 319- 320	
4.	Patel K. B., Tandel Y. N. and Arvadia M. K.	Effect of irrigation and land configuration on growth, yield and quality of chickpea (*Cicer arietinum* L.) under vertisol of South Gujarat. (2009) 5 (1): 295-296	International Journal of Agricultural Sciences
5.	Patel K. B., Tandel Y. N. and Arvadia M. K.	Yield and water use of chickpea (Cicer *arietinum* L.) as influenced by irrigation and land configuration. (2009) 5 (2): 369 - 370	International Journal of Agricultural Sciences
6.	V.S. Patel and D. D. Patel	Bio-organic nutrient management in sugarcane (Saccharum officinarum L.). (2010), 3(2). 85-87.	Green Farming (An International journal)
7.	V.S. Patel and D. D. Patel	Sustenance of soil health and productivity of sugarcane through different levels and source of organics. (2010), Vol. 1(3): 266-269.	Green Farming (An International journal)
8.	V. C. Raj, M. K. Arvadia and D. D. Patel	Effect of integrated weed management on *rabi* green gram (Vigna radiata). (2010), Vol. 1(4): 377-379.	Green Farming (An International journal)
9.	Shete P. G., Thanki J. D., Baviskar V. S. and Adhav S. L.	Effect of land configuration and FYM levels on quality and nutrient status of *rabi* green gram. (2010) 1(4): 409-410	Green Farming (An International journal)
10.	Thanki J. D. and Solanki R. K.	Response of *rabi* pigeon pea to moisture regimes and fertizer management under south Gujarat condition (2010) 1(3):257-259.	Green Farming (An International journal)
11.	Thanki J. D. and Solanki R. K.	Response of *rabi* pigeon pea (*Cajanus cajan* L.) to land configuration and inorganic fertilizer with and without FYM under south Gujarat condition (2010)	Crop Research (An International journal)
12.	Shete, P .G., Thanki,J.D., Adhav, S.LO. and Kushare Y.M.	Response of *rabi* greengram [*Vigna radiata* (L.)] to land configuration and inorganic fertilizer with and without FYM (2010).39 (1,2 & 3): 43-46.	Crop Research (An International Journal)
13.	Adhav, S. L., Thanki, J.D., Shete, P.G. and Kushare	Influence of organic and inorganic sources of nitrogen on growth and yield of *rabi* drilled fennel (*Foeniculum vulgare* Mill.).(2010) 39 (1,2 & 3):149-152.	Crop Research (An International Journal)
14.	Thanki,J.D., and Patel, C.L.	Response of moisture regimes and herbigation on storage of garlic bulbs in Gujarat.	Green Farming (An International Journal)

		(2010)1(5):495-496	
15.	Gami, M.R. and Thanki, J.D.	Effect of moisture regimes and fertility management on yield, quality, nutrient and availability nutrient status after harvest of summer greengram. (2010)1(1):137-140.	Bioscience Gurdian (An International Journal)
16.	Shete, P.G., Thanki, J.D., Baviskar, V.S. and Bhoye, K.P.	Yield, nutrient uptake and economics of green gram as influenced by land configuration, inorganic fertilizers and FYM levels. (2011)2(4):425-427.	Green Farming (An International Journal)
17.	Gami, M.R. and Thanki, J.D.	Influence of moisture regimes and fertilizer management with and without FYM on summer green gram (*Phaseolus radiatus* L.) (2011)	Green Farming (An International Journal)
18.	Dongare, S.B., Thanki, J.D., Desai, S.K. and Bhadhuria A.	Response of amaranth (*Amaranthus hypocondriacus* L.) to levels of nitrogen and organic manure under south Gujarat condition. (2011)	Bioscience Gurdian (An International Journal)
19.	Gami, M.R. and Thanki J.D.	Consumptive use of water, water use efficiency and water expense efficiency and yield of summer(2011)	Bioscience Gurdian (An International Journal)
20.	Desai, S.K., Thanki, J.D., Dongare, S.B. and Bhadauria A.	Effect of irrigation, nitrogen and biofertilizer levels on *rabi* black green gram (*Vigna radiata* L.) (2011)	Bioscience Gurdian (An International Journal)

Sr. No.	Name(s) of Authors in order (Sole / Sr. / Co-author)	Title of the paper (Vol. No. and Issue No.)	Name of the Journal
(ii) Research Paper Published in National Journal			
1.	R.A. Jat and J.S. Balyan	Effect of integrated nitrogen management on dry matter, yield attributes, yield and total N uptake in maize *(Zea mays L.)* (2004) 25 (1) : 153-154.	Ann. Agric Res.
2.	Patel, V.M. and Thanki, J.D.	Effect of irrigation levels and weed management practices on growth, yield and quality of summer urdbean. (2004)17(1):93-94.	Indian J.Pulse Res.
3.	Thanki, J.D., A.M. Patel and M.P. Patel	Effect of nitrogen, phosphorus and farm yard manure on growth, yield, quality and nutrient uptake of Indian mustard (*Brassica jauncea* Czern and Coss) (2004) 21(2):296-298.	J. Oilseeds Res.
4.	Thanki, J.D., A.M.Patel and M.P. Patel.	Effect of date of sowing, phorphorus and bio fertilizer on growth, yield and quality of summer sesamum.	J. Oilseeds Res.

		(*Seasamum indicum* L.) (2004) 21(2):301-302	
5.	Thanki, J.D., M.N.Joshi and Patel, V.M.	Influence of irrigation, phorphorus and biofertilizer on yield, consumptive use and moisture extraction of summer soybean under south Gujarat condition (2004) 12(2): 68-70.	J.Water Management
6.	S. R. Patel, A. I. Patel, S. I. Tailor, C. L. Patel R. D. Vashi and D. D. Patel	Improvement of CoC 671 for resistence with physical mutagenesis.(2004), 19(1&2) : 58-63.	Indian J. sugarcane Technology
7.	Thanki, J.D. and Patel, C.L.	Effect of moisture regimes and herbigation through minisprinkler on yield attributes and bulb yield of Garlic. (2005).30(1):72-74.	J.Maharashtra Agric. Uni.
8.	Patel, V.M., Thanki, J.D. and Gami, M.R.	Irrigation and weed management practices of summer black gram under south Gujarat. (2005) 30(1):94-95.	J.Maharashtra Agric. Uni.
9.	Thanki, J.D., M. N. Joshi and Patel, V.M.	Effect of irrigation, phorphorus and biofertilizer on growth and yield of summer soybean (*Glycin max* L. Merrill) under south Gujarat condition. (2005). 22(2):373-375.	J. Oilseeds Res.
10.	Thanki, J.D. and Patel, V.M.	Response of Irrigation levels and weed management practices on weed growth and yield of summer black gram (*Phaseolus mungo* L. Hepper) under south Gujarat condition. (2006) 14(1):57-59.	J. Water Management
11.	D. D. Patel, C. L. Patel and G. B. Kalaria	Effect of planting geometry and weed management on quality and yield of sugarcane. (2006) 21(1&2): 39-42.	Indian J. Sugarcane Technology
12.	D. D. Patel, P. G. Patel and B. K. Patel	Intercropping in cotton G. Cot. Hy-10 under irrigated condition. (2006). 2(2): 98-99.	Crop Protection and Production
13.	C. L. Patel, D. D. Patel and M. N. Patel	Critical period of crop weed competition in sugarcane (Var. CoLK 8001). (2007), Vol. LVI: 27-32.	Indian Sugar
14.	Patel Darpana; Arvadia M. K. and Patel A. J.	Effect of integrated nutrient management on growth, yield and nutrient uptake by chickpea on Vertisol of South Gujarat. (2007) 20 (1):113-14	Journal of Food Legumes
15.	D. D. Patel, C. L. Patel and B. K. Patel	Effect of planting geometry and weed management on morphological characters of sugarcane Var. CoN 85134. (2008), Vol. September : 33-38.	Indian Sugar
16.	V. S. Patel, A. M. Bafna, V. C. Raj, B. N. Colambe and D.	Effect of different levels and source of organics on sugarcane (Var. CoLK 8001). (2008), Vol. December	Indian Sugar

	D. Patel	: 65-70.	
17.	J. G. Patel, D. D. Patel, V. Kumar, B. K. Patel and V. M. Patel	Response of protective irrigation at different critical growth stage of cotton. (2008), 16(2):119-123.	J. Water Management
18.	J. G. Patel, D. D. Patel, V. Kumar, B. K. Patel and V. M. Patel	Rain water management through different agro-techniques for improving quality and production of cotton. (2008),16(2):124-127.	J. Water Management
19.	C. L. Patel, D. D. Patel and M. N. Patel	To ascertain optimum size of single eyebud and cane portion for three eye bud planting materials.(2009), Vol. August LIX (5) : 23-26.	Indian Sugar
20.	R.A. Jat and I.P.S. Ahlawat,	Effect of farmyard manure, source and level of sulphur on growth attributes, yield, quality and total nutrient uptake in pigeonpea (Cajanus cajan) and groundnut (Arachis hypogea) intercropping system (2009) 79(12):1016-1019	Indian Journal of Agricultural Sciences
21.	B. L. Dhaka, R. A. Jat and M. K. Poonia,	Integrated farming system approach for natural resource management (2009) 5 (11):31-37.	Indian journal of fertilisers.
22.	Thanki, J.D. and P.P. Parmar	Effect of irrigation, phosphorus and biofertilizer on yield, consumptive use and moisture extraction of *rabi* Green gram (*Vigna radiata* L.) in south Gujarat. (2009) 17(1):1-3	J. Water Management
23.	V. S. Patel and D. D. Patel	Effect of different sources and levels of organics on sugarcane (Saccharum officinarum). (2010), Vol.55 (2) :152-156.	Indian J. Agronomy
24.	Ram A. Jat, M.K.Arvadia, Bhumika Tandel, T.U. Patel and R.S. Mehta	Response of saline water irrigated greengram to land configuration, fertilizers and farm yard manure in Tapi command area of south Gujarat (2012) Vol. 57(3): 270-274.	Indian J. Agronomy
25.	O.B., Vidhate, J.D. Thanki and D.D.Patel	Response of clusterbean to integrated nutrient management (2012) Vol. 9(3):388-390	Bioinfolet
26.	V.C.Raj, D.D. Patel, J.D.Thanki and M.K. Arvadia	Effect of intetraged weed management on weed control and productivity of greengram` (2012) Vol. 9(3):391-395	Bioinfolet
27.	K.P. Patel, J.D.Thanki, D.D.Patel, A.M. Bafna, M.K.Arvadia and R.C.Gami	Integrated nutrient management in rice-sugarcane-sugarcane cropping sequence (2013)	Indian Journal of Agronomy
28.	V.C.Raj, D.D.Patel, J.D. Thanki and M.K.Arvadia	Effect of weed management in mango seedling nursery (2013)	Bioinfolet
29.	T.U.Patel, J.D.Thanki,	Weed management, fertilizer application and productivity of onion	Bioinfolet

	D.D.Patel, L.K.Arvadia and A.P.Italiya	bulbs (2013)	
30.	T.U.Patel, M.K.Patel, H.H.Patel, A.M.Patel and M.M.Gajjar	Productivity of oat under the influence of cutting management and nitrogen application (2013)	Bioinfolet
31.	L.K.Arvadia, V.C.Raj, T.U.Patel, M.K.Arvadia and V.K.Naik	Productivity of sweet corn as influenced by plant population and weed management (2013)	Bioinfolet
32	C. S. Kadam, J. D. Thanki and N. N. Gudadhe	Response of chickpea to irrigation methods, fertilisers and biofertiliser under South Gujarat condition (2014)	Ind. J. Fert. Res.
33	L.J. Desai, J. D. Thanki, N. N. Gudadhe and R. A. Dungarani	"Effect of cropping systems on crop productivity and profitability under south Gujarat condition" (2014)	Ind. J. Ecology
34	Desai, L.J., Thanki, J.D. and Dungarani, R.A.	Study on rice (Oryza sativa L.) based cropping system under south Gujarat condition (2014)	*Bioinfolet*
35	Desai, L.J., Thanki, J.D., Pankhaniya R.M. and Dungarani, R.A.	Evaluation of organic farming package for rice- groundnut crop sequence (2014)	*Indian J Ecology*
36	D.D. Patel, J.D. Thanki, V.P. Usdadiya, M.K. Arvadia, B.B. Tandel and P.A. Patil	Effect of crop-weed competition on nutrient content and uptake by weed and *rabi* castor (*Ricinus communis* L.) (2014)	*Research on crops*
	Patel H.H., Thanki J.D., Patel T.U., Patel D.D. and Patel H.M.	Productivity of chickpea (*Cicer arientinum* L.) as influenced by different planting techniques and irrigation levels. (2015)	*AGRES-An International e-Journal*
	Imade S.R., Thanki J.D. and Gudadhe N.N.	Integrated effect of organic manures and inorganic fertilizers on productivity, NPK uptake and profitability of transplanted rice (2015)	*Research on Crops (An International Journal)*
	Sandhi,S.J. Patel J.G., Mansuri, R.N. and Desai L.J.	Economics, yield, quality & nutrient content as well as uptake of sunflower as influenced by spacing, inorganic fertilizer & biofertilizer (2015)	*Green Farming*
	Patel H.H., Thanki J.D., Patel T.U., Patel D.D. and Patel P.S.	Performance of chickpea (*Cicer arientinum* L.) under planting techniques and irrigation levels (2016)	*International Journal of Applied And Pure Science and Agriculture*

List of published books by Department of Agronomy

Sr. No.	Name of Author	Name of Department	Name of Faculty	Title of Book	Name of Publisher	Year of Publication	ISBN
1	Dr. M.K. Arvadia, Dr. D. D. Patel, T. U. Patel, D. K. Patel, P. S. Patil and Dr. S. R. Patel	Agronomy, N.M.C.A.	Agriculture	Akramak Nindano	Professor & Head, Agronomy Department, N.A.U., Navsari	2010	---
2	Dr. D. D. Patel, Dr. M. K. Arvadia, Shri. T. U. Patel, Dr. V. C. Raj, Shri. D. K. Patel and Shri. P. A. Patil	Agronomy, N.M.C.A.	Agriculture	Nindan-Olakh ane Tenu Niyantan	Professor & Head, Agronomy Department, N.A.U., Navsari	2010	---
3	Dr. J.D. Thanki, Dr. D.D. Patel and Prof. S.N. Gajjar	Agronomy, N.M.C.A.	Agriculture	Kathol Pako-Kheti,Prashno ane Nirakaran	Professor & Head, Agronomy Department, N.A.U., Navsari	2012	978-81-923828-0-7
4.	Dr.J.D.Thanki, Dr.V.P.Usdaida, R.M.Pankhaniya, Dr. R.B.Ardeshna, , Dr.T.U.Patel, Dr.N.N.Gudadhe and Dr. L.J.Desai	Agronomy, N.M.C.A.	Agriculture	Pak Utpadanna Khedutona Prashno ane Tenu Upayo	Professor & Head, Agronomy Department, N.A.U., Navsari	2013	---
5.	Dr. J. D. Thanki, Dr. T. U. Patel, Dr. D. D. Patel and Mr. P. R. Patil	Agronomy, N. M. C. A.	Agriculture	The Weed, Identification and Characteristics	Professor & Head, Agronomy Department, N.A.U., Navsari	2014	978-81-923828-1-4

6.	Dr.J.D.Thanki, Dr. R.M.Pankhaniya, Dr.V.P.Usdaida, Dr. R.B.Ardeshna, Dr.T.U.Patel, Dr. L.J.Desai and Dr.N.N.Gudadhe	Agronomy, N. M. C. A.	Agriculture	Ghas Chara Pakoni Kheti	Professor & Head, Agronomy Department, N.A.U., Navsari	2014	978-81-923828-2-1
7.	Dr.J.D.Thanki, Dr. L.J.Desai, Dr. R.M.Pankhaniya, Dr.T.U.Patel and Dr. R.B.Ardeshna,	Agronomy, N. M. C. A.	Agriculture	Sankalit Kheti Padhatti	Professor & Head, Agronomy Department, N.A.U., Navsari	2014	978-81-923828-2-1
8.	Dr.J.D.Thanki, Dr. R.M.Pankhaniya Dr. L.J.Desai, Dr. R.B.Ardeshna, Dr.T.U.Patel, Dr.N.N.Gudadhe, Prof. A. J. Patel, Dr. R. R. Pisal and Dr.V.P.Usdaida,	Agronomy, N. M. C. A.	Agriculture	Pak Utpadanani Samasayao ane Samadhan	Professor & Head, Agronomy Department, N.A.U., Navsari	2014	---
9.	Dr. J. D. Thanki, Dr. L. J. Desai and Dr. T. U. Patel	Agronomy, N. M. C. A.	Agriculture	Krishi Sanhita Dakshin Gujarat	Professor & Head, Agronomy Department, N.A.U., Navsari	2014	---

List of practical records prepared by Department of Agronomy

Sr. No.	Semester	Course Number	Title of course
1.	First	Agron. 1.1	Introductory Agriculture and Principles of Agronomy
2.	First	Agron.1.2	Field Crops-I (*Kharif*)
3.	Second	Agron. 2.3	Field Crops II (*Rabi*)
4.	Third	Agron. 3.5	Weed management
5.	Fifth	Agron. 5.7	Water management including micro irrigation
6.	Sixth	Agron. 6.8	Organic Farming
7.	Sixth	Agron. 6.9	Farming Systems and Sustainable Agriculture
8.	Eighth	Agron. 8.11	Seed Production Technology
9.	Eighth	Agron. 8.12	Cultivation of commercially important medicinal and aromatic plants
10.	Eighth	Agron. 8.13	Commercial spices production
11.	Eighth	Agron. 8.14	Commercial seed production technology

Transfer of technologies

Department staff is also actively participating in Krushi mela, Khedut Din, Khedut Shibir, Seminar, Radio and television programme time to time.

This department is also guiding farmers through publishing press notes in daily news paper and weekly/monthly periodicals on the agronomic aspects of major crops as well as through Agro ITI programmes.

5. Future plan

i) To aware the student with latest technologies with new aspects.
ii) Update the new courses curriculum.
iii) To take the new experiments to solve the current burning problems in crop production.
iv) To improve the department with physical infrastructure development.
v) To start research projects on Precision Farming and Impact of climate change on Agriculture in near future.

6. Alumni

List of M.Sc. (Agri.) students who have passed their degree successfully.

Sr. No.	Name of student	Title of Thesis	Name of Ph.D. Supervisor	Faculty	Subject	Year of Award of Degree
1	Shri Z.G. Patel	Correlation of morphological characters with grain yield in jowar (*Sorghum vulgare Pers.*)	Dr. H. U. Joshi.	Agriculture	Agronomy	1969
2	Shri N.V. Patel	Response of *IR-8* and *Jaya* rice to puddling, non puddling and to planting and seeding methods	Dr. V. D. Mane	Agriculture	Agronomy	1973
3	Shri H.K. Bhatarkar	Relative performance of four new rice cultivars and their response to graded levels of nitrogen and phosphorus under South Gujarat conditions	Dr. V. D. Mane	Agriculture	Agronomy	1973
4	Shri C.L. Patel	Response of *IR-8* and *Padma* rice to graded doses of iron and manganese in conjunction with varying NPK levels and soil moisture status	Dr. V. D. Mane	Agriculture	Agronomy	1973
5	Shri D.P. Ratod	Effect of zinc and silicon on growth and yield of *IR-8* and *Padma* rice grown under different soil moisture status and NPK levels	Dr. V. D. Mane	Agriculture	Agronomy	1973
6	Shri N.L. Patel	Response of local and new rice varieties to transplanting and direct seeding dates.	Dr. V. D. Mane	Agriculture	Agronomy	1974
7	Shri S.T. Patil	Response of hybrid sorghum *CSH-1* to graded levels of nitrogen, phosphorus and potash under South Gujarat conditions	Dr. V. D. Mane	Agriculture	Agronomy	1974
8	Shri B.D. Rathod	Response of *Jaya* rice to potash in the presence of nitrogen, phosphorus under South Gujarat conditions	Dr. V. D. Mane	Agriculture	Agronomy	1974
9	Shri I.R. Rathod	Response of four new wheat varieties to graded levels of nitrogen, phosphorus under South Gujarat conditions	Dr. U. M. Damor	Agriculture	Agronomy	1974

10	Shri B.M. Brahambhatt	-----	--	Agriculture	Agronomy	1974
11	Shri H.S. Damame	Response of *IR-8* and *Jaya* rice to planting and weeding methods under puddle and non puddle field conditions	Dr. V. D. Mane	Agriculture	Agronomy	1974
12	Shri T.H. Parmar	Response of certain rice varieties to graded NP fertility levels with different dates of transplanting in summer season	Dr. R. B. Patel	Agriculture	Agronomy	1977
13	Shri B.S. Patel	Response of dwarf wheat varieties to different dates of sowing	Dr. R. B. Patel	Agriculture	Agronomy	1977
14	Shri I. S. Patel	Response of rice varieties to age of seeding in summer season	Dr. R. B. Patel	Agriculture	Agronomy	1977
15	Shri J.P. Patel	Response of dwarf wheat (*Triticum aestivum* L.) variety *Sonalika* to different seeding methods and seeding rates after paddy in *kyari* land	Dr. R. B. Patel	Agriculture	Agronomy	1978
16	Shri G.L. Kalola	Effects of different levels and source of nitrogen on transplanted summer rice (*Oryza sativa* L.) variety *Ratna*	Dr. R. B. Patel	Agriculture	Agronomy	1978
17	Shri H.K. Patel	Effects of spacing and fertility levels on growth, yield and quantity of wheat *Junagadh-24*	Dr. R. S. Joshi	Agriculture	Agronomy	1978
18	Shri L.K. Patel	Response of ratoon hybrid sorghum *CSH-5* to different soil moisture regimes and levels of fertilizer on heavy black soils of South Gujarat	Dr. R. S. Joshi	Agriculture	Agronomy	1979
19	Shri R.C. Patel	Response of summer cowpea (*Vigna sinesis* S.) vegetable crop to different soil moisture regimes and levels of fertility	Dr. R. S. Joshi	Agriculture	Agronomy	1979
20	Shri T.B. Patel	Effects of water regimes and fertility levels on growth yield and quantity of summer rice (*Oryza sativa* L.)	Dr. R. S. Joshi	Agriculture	Agronomy	1979

21	Shri M.M. Naik	Response of wheat (variety *J-24*) to different water management and fertilizer practices under upland conditions of black cotton soils	Dr. R. S. Joshi	Agriculture	Agronomy	1979
22	Shri C.L. Patel	Efficiency of certain granular herbicides and mechanical methods for controlling weeds in transplanted rice (*Oryza sativa* L.)	Dr. Z. G. Patel	Agriculture	Agronomy	1982
23	Shri T.D. Patel	Response of summer groundnut (*Arachis hypogaea* L.) to dates of sowing, spacing and levels of phosphorus under South Gujarat conditions	Dr. Z. G. Patel	Agriculture	Agronomy	1982
24	Shri H.R. Patel	Response of maize (*Zea mays* L.) to varieties, moisture regimes and fertility levels on heavy black soils of South Gujarat	Dr. R. S. Joshi	Agriculture	Agronomy	1982
25	Shri C.H. Rana	Effect of mixed cropping in summer maize (*Zea mays* L.) with leguminous crops under different water management and fertilizer practices	Dr. R. S. Joshi	Agriculture	Agronomy	1982
26	Shri M.L. Bhadani	Effects of graded doses of different phosphoric fertilizers on yield and quality of summer groundnut (*Arachis hypogaea* L.)	Dr. Z. G. Patel	Agriculture	Agronomy	1982
27	Shri M.K Arvadia	Response of gram (*Cicer arietinum* L.) to different dates of sowing under various fertility levels	Dr. Z. G. Patel	Agriculture	Agronomy	1982
28	Shri S.D. Gadhiya	Response of wheat (variety *Lok-1*) to split application of nitrogen under South Gujarat conditions	Dr. Z. G. Patel	Agriculture	Agronomy	1982
29	Shri.S.D Patel	Response of sorghum varieties (*Sorghum bicolor* L. *Moench*) to various dates of sowing in hot weather season under South Gujarat conditions	Dr. Z. G. Patel	Agriculture	Agronomy	1983
30	Shri N.D. Desai	Response of groundnut (*Arachis hypogaea* L.) varieties to different water management practices on clayey soils	Dr. R. S. Joshi.	Agriculture	Agronomy	1983
31	Shri J.J. Mecwan	Response of summer greengram (*Vigna radiata* L.) to seed-rate and graded levels of nitrogen and phosphorus in the summer season	Dr. P. G. Patel	Agriculture	Agronomy	1983

32	Shri R.L. Badreshia	Response of maize (*Zea mays* L.) to split applications of nitrogen in summer season under South Gujarat conditions	Dr. P. G. Patel	Agriculture	Agronomy	1983
33	Shri B.D. Patel	Response of groundnut (*Arachis hypogaea* L.) to graded levels of NPK and Rhizobium inoculation in summer season	Dr. P. G. Patel	Agriculture	Agronomy	1983
34	Shri D.C. Bhatt	Response of cluster bean (*Cyamopsis tetragonoloba* L.) to different soil moisture regimes and levels of phosphorus on clayey soils of South Gujarat	Dr. R. S. Joshi	Agriculture	Agronomy	1983
35	Shri J.D. Thanki	Effects of graded levels of nitrogen phosphorus and potash on yield and yield attributes of hybrid maize (*Zea mays* L.) in the summer season	Dr. P. G. Patel	Agriculture	Agronomy	1984
36	Shri B.A. Bhalodia	Response of summer groundnut (*Arachis hypogaea* L.) to dates of sowing, spacing and seed rates under South Gujarat conditions	Dr. R. B. Patel	Agriculture	Agronomy	1984
37	Shri N.P. Solanki	Response of summer groundnut (*Arachis hypogaea* L.) to varying levels of seeds ,nitrogen and phosphorus under South Gujarat conditions	Dr. Z. G. Patel	Agriculture	Agronomy	1984
38	Shri T.M. Shah	Response of mustard (*Brassica juncia* L.) to varying levels of nitrogen and phosphorus under irrigated conditions	Dr. P. G. Patel	Agriculture	Agronomy	1984
39	Shri R.A. Dungarani	Response of summer greengram (*Vigna radiata* L.) to levels of nitrogen, phosphorus and rhizobium inoculation under South Gujarat conditions	Dr. R. B. Patel	Agriculture	Agronomy	1986
40	Shri H.J. Mishtri	Response of wheat (*Triticum aestivum* L.) to various irrigation and nitrogen levels on heavy black soils under low land conditions	Dr. K. R. Patel	Agriculture	Agronomy	1986
41	Shri M.N. Patel	Comparative efficiency of certain herbicides and cultural methods in controlling weed as well as on growth and yield of irrigated cotton (*Gossypium hirsutum*)	Dr. P. G. Patel	Agriculture	Agronomy	1986

42	Shri P.M. Vaghasia	Response of wheat (*Triticum aestivum* L.) var. *J-405* to dates of sowing under South Gujarat conditions	Dr. P.G.Patel	Agriculture	Agronomy	1986
43	Shri V.C. Raj	Response of summer cowpea (*Vigna sinensis*) to levels of nitrogen, phosphorus and rhizobium inoculation under South Gujarat conditions	Dr. R.B.Patel	Agriculture	Agronomy	1986
44	Shri K.D. Mevada	Effect of various sources of phosphorus on yield and quality of sugarcane	Dr. H.S.Patel	Agriculture	Agronomy	1987
45	Shri K.I. Patel	Effect of nitrogen and phosphorus fertilization on growth and yield of forage sorghum	Dr. R.P.S. Ahlawat	Agriculture	Agronomy	1987
46	Shri C.P. Ranparia	Effect of spacing, nitrogen and phosphorus on Indian bean (*Dolichos lablab* L.)	Dr. Z.G.Patel	Agriculture	Agronomy	1987
47	Shri B.D. Bunsa	Response of summer cowpea (*Vigna unguiculata* L.) to varying irrigation schedules and levels of nitrogen with and without rhizobium inoculation	Dr. R.G.Patel	Agriculture	Agronomy	1988
48	Shri B.M. Mangukia	Response of Indian bean (*Dolichos lablab* L.) to varying method and schedules of irrigation under low land condition of South Gujarat	Dr. K.R.Patel	Agriculture	Agronomy	1988
49	Shri S.P. Vasvelia	Response of mustard (*Brassica juncea* L.) to varying irrigation schedules, row spacing and levels of nitrogen in low land conditions of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1988
50	Shri D.N. Rathod	Weed management in groundnut (*Arachis hypogaea* L.) under South Gujarat conditions	Dr. P.G.Patel	Agriculture	Agriculture	1988
51	Shri A.G. Dixit	Irrigation scheduling for wheat (*Triticum aestivum* L.) under constraints of irrigation water in low land condition of South Gujarat	Dr. R.G.Patel	Agriculture	Agriculture	1989
52	Shri N.M. Dadhania	Response of sunflower (*Helianthus annuus* L.) cultivars to varying levels of irrigation and spacing on heavy black soils of South Gujarat	Dr. K.R.Patel	Agriculture	Agronomy	1989

53	Shri P.L. Bhimani	Response of mustard (*Brassica juncea* L.) to varying levels of irrigation, nitrogen and sulphur in vertisols of South Gujarat	Dr. K.R.Patel	Agriculture	Agronomy	1989
54	Shri S.J. Trivedi	Effect of different levels of nitrogen and phosphorus on growth, yield attributes and yield of niger (*Guzotia abyssinica* L.)	Dr. R.P.S. Ahlawat	Agriculture	Agronomy	1989
55	Shri M.U. Vachhani	Response of onion (*Allium cepa* L.) to varying levels of nitrogen, phosphorus and potash on black soils of South Gujarat	Dr. Z.G.Patel	Agriculture	Agronomy	1989
56	Shri R.S. Patel	Response of bio-fertilizer and FYM at various levels of nitrogen and phosphorus on irrigated gram (*Cicer arietinum* L.) under low land conditions of South Gujarat	Dr. Z.G.Patel	Agriculture	Agronomy	1989
57	Shri A.J. Joshi	Effect of nitrogen and sulphur fertilization on growth and yield of mustard	Dr. R.P.S.Ahlawat	Agriculture	Agronomy	1989
58	Shri G.L. Shiyani	Response of different wheat (*Triticum aestivum* L.) varieties to dates of sowing and levels of nitrogen in the vertic ustochrepts of South Gujarat	Dr. S.S.Rathore	Agriculture	Agronomy	1989
59	Shri D.M. Patel	Effect of varying irrigation schedules based on IW/CPE ratios and mulches on growth and yield of *Rabi* sunflower (*Helianthus annuus* L.) raised on clayey soils of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1989
60	Shri M.T. Kotadiya	Study on optimum irrigation and nitrogen requirement of summer sunflower (*Helianthus annuus* L.) grown in vertic ustochrepts of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1989
61	Shri P.D. Vekaria	Influence of micronutrients and growth regulators on growth, yield and quality of sugarcane (Var. *Co.C.671*) in presence of recommended practices of fertilization	Dr. H.S.Patel	Agriculture	Agronomy	1989

62	Shri B.N. Dudhat	Study on optimum irrigation and nitrogen requirement of summer sesamum (*Sesamum indicum L.*) grown in vertic ustochrepts of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1989
63	Shri K.G. Patel	Response of mustard (*Brassica juncia* L.) varieties to dates of sowing and levels of nitrogen in the vertic ustochrepts of South Gujarat	Dr. S.S.Rathore	Agriculture	Agronomy	1989
64	Shri N.D. Parmar	Weed management in sunflower (*Helianthus annuus* L.) under South Gujarat condition	Dr.Z.G.Patel	Agriculture	Agronomy	1989
65	Shri K.D.Vekaria	Effect of seeding rate and graded levels of nitrogen on forage sorghum varieties	Dr.P.G.Patel	Agriculture	Agronomy	1989
66	Shri G.M. Gajera	Response of various growth substances on growth, yield and quality of sugarcane (Var. *Co.C.671*) in presence of recommended manurial practices	Dr. H.S.Patel	Agriculture	Agronomy	1989
67	Shri S.G. Mehta	Effect of row spacing and levels of N & P fertilization on the yield of unirrigated safflower (*Carthamus tinctorius* L.) in *kyari* land of South Gujarat	Dr. Z.G.Patel	Agriculture	Agronomy	1989
68	Shri M.G. Khokhani	Effect of different levels of nitrogen and phosphorus on growth and yield of *rabi* sunflower (*Helianthus annuus* L.) under South Gujarat conditions	Dr. R.P.S.Ahlawat	Agriculture	Agronomy	1989
69	Shri A.I. Patel	Response of mustard (*Brassica juncea* L.) varieties to varying levels of irrigation, nitrogen and sulphur in vertisols of South Gujarat	Dr.K.R.Patel	Agriculture	Agronomy	1990
70	Shri R.L. Mavani	Fertilizer use efficiency through weed management in soybean (*Glycine max* L.) under South Gujarat conditions.	Dr. H.S.Patel	Agriculture	Agronomy	1990
71	Shri K.N. Vadaria	Effect of nitrogen levels and sources under different weed management practices on transplanted rice (*Oryza sativa* L.) Var. GR-3 under South Gujarat conditions	Dr. H.S.Patel	Agriculture	Agronomy	1990

72	Shri U.C. Patel	Effect of source and levels of nitrogen with and without bio-fertilizer on wheat (*Triticum aestivum,* L.) cv. GW -503	Dr. S.S.Rathore	Agriculture	Agronomy	1990
73	Shri K.B. Shah	Response of wheat (*Triticum aestivum* L.) to various weed management practices and methods of sowing in the vertisol of South Gujarat	Dr. C.L.Patel	Agriculture	Agronomy	1990
74	Shri H.M. Viradia	Growth and production potential of rice (*Oryza sativa* L.) cultivars as influenced by row spacing and nitrogen levels under transplanted conditions	Dr. H.S.Patel	Agriculture	Agronomy	1990
75	Shri B.G. Saraviya	Response of pigeon pea (*Cajanus cajan* L.) to varying levels of row spacing and NP-fertilization under South Gujarat conditions.	Dr. M.P.Patel	Agriculture	Agronomy	1990
76	Shri S.G. Patel	Response of mustard (*Brassica juncia* L.) to irrigation methods and weed management practices under low land condition	Dr. C.L.Patel	Agriculture	Agronomy	1990
77	Shri K.P. Jasani	Response of soybean (*Glycine max* L.) to dates of sowing and seed rates under South Gujarat conditions.	Dr. M.P.Patel	Agriculture	Agronomy	1990
78	Shri R.G. Hadvani	Effect of different methods of sowing and levels of sulphur on growth and yield of groundnut (*Arachis hypogaea* L.)	Dr. R.P.S.Ahlawat	Agriculture	Agronomy	1990
79	Shri A.J. Lalakia	Response of gram (*Cicer arietinum* L.) to different weed management practices and phosphorus in the vertisols of South Gujarat	Dr. C.L.Patel	Agriculture	Agronomy	1990
80	Shri S.M Manavadaria	Response of *Rabi* sorghum (*Sorghum bicolar* L.) to varying irrigation schedules and levels of nitrogen with and without biofertilizer	Dr. R.G.Patel	Agriculture	Agronomy	1990
81	Shri B.J. Patel	Response of Indian bean (*Dolichos lablab* L.) to varying dates of sowing and levels of nitrogen with rhizobium inoculation	Dr. K.R.Patel	Agriculture	Agronomy	1990

82	Shri P.K.Chovatia	Effect of different dates of sowing, *rhizobium* inoculation and levels of phosphorus on growth and yield of summer greengram (*Vigna radiata* L.) under South Gujarat conditions	Dr. R.P.S.Ahlawat	Agriculture	Agronomy	1990
83	Shri G.N.Patel	Response of forage sorghum (*Sorghum bicolor* L.) Var. *GFS-4* in relation to varying levels of nitrogen and phosphorus	Dr. R.G.Patel	Agriculture	Agronomy	1991
84	Shri M.C. Patel	Response of summer black gram (*Vigna mungo* L.) to varying irrigation schedules, crop geometry and levels of phosphorus in vertic ustochrepts of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1991
85	Shri H.K. Sobhana	Response of chickpea (*Cicer arietinum* L.) to different irrigation schedules and weed management practices in clayey soils of South Gujarat	Dr. R.G.Patel	Agriculture	Agronomy	1991
86	Shri N.A. Kalavadia	Response of summer maize (*Zea mays* L.) to varying levels of nitrogen with biofertilizer and farm yard manure under South Gujarat Conditions	Dr. K.R.Patel	Agriculture	Agronomy	1991
87	Shri R.M. Solanki	Response of *kharif* sorghum (*Sorghum bicolar* L.) genotypes to levels of nitrogen and phosphorus fertilization under South Gujarat conditions	Dr. H.C.Patel	Agriculture	Agronomy	1991
88	Shri P.D. Palsana	Response of nitrogen under various weed management practices in *kharif* maize (*Zea mays* L.)	Dr. M.P.Patel	Agriculture	Agronomy	1992
89	Shri D.V. Trivedi	Effect of varying irrigation schedules based on IW/CPE ratios,depths of ploughing and mulches on growth and yield of summer greengram (*Vigna radiata* L.)	Dr. R.P.S.Ahlawat	Agriculture	Agronomy	1992
90	Shri N.C. Dodia	Forage production potential of maize cultivars as influenced by graded doses of nitrogen and phosphorus during monsoon under South Gujarat conditions	Dr. H.S.Patel	Agriculture	Agronomy	1992

91	Shri L.K. Arvadia	Response of summer green gram (*Vigna radiata* L.) to irrigation, weed management and varying levels of phosphorus	Dr. C.L.Patel	Agriculture	Agronomy	1992
92	Shri S.N. Shah	Response of onion (*Allium cepa* L.) bulb crop to nitrogen and weed control under varying plant population	Dr. C.L.Patel	Agriculture	Agronomy	1992
93	Shri A.S. Bhanvadia	Response of safflower (*Carthamus tinctorius* L.) to varieties to nitrogen and phosphorus under upland conditions of South Gujarat	Dr. M.P.Patel	Agriculture	Agronomy	1993
94	Shri N.C. Patel	Effect of mulches and antitranspirants on the yield and water economy of safflower (*Carthamus tinctorius* L.)	Dr. Z.G.Patel	Agriculture	Agronomy	1993
95	Shri B.D. Ahir	Effect of various nitrogen sources and levels on rice (Var. *GR-6*) in summer conditions of South Gujarat	Dr. H.S.Patel	Agriculture	Agronomy	1993
96	Shri S.M. Patel	Performance of sorghum (*Sorghum bicolar* L.) cultivars under various salinity levels and coastal saline sodic soils of South Gujarat	Dr. H.S.Patel	Agriculture	Agronomy	1993
97	Shri G.G. Patel	Performance of wheat cultivars under costal saline-sodic soils of South Gujarat	Dr. M.P.Patel	Agriculture	Agronomy	1993
98	Shri G.D. Hindocha	Effect of different concentration and time of application of maleic hydrazide on seed dormancy and yield of summer ground (*Arachis hypogaea* L.) varieties *GG-2* and *J-11* under South Gujarat condition	Dr. H.C.Patel	Agriculture	Agronomy	1993
99	Shri S.N. Patel	Effect of dates of sowing, methods of sowing, rhizobium inoculation and levels of nitrogen on Indian bean (*Dolichos lablab* L.)	Dr. Z.G.Patel	Agriculture	Agronomy	1993
100	Shri R.R. Rathod	Effect of irrigation schedules based on IW/CPE ratios and growth regulator on growth and yield of summer okra (*Abelmoschus esculentus* L.)	Dr. C.L.Patel	Agriculture	Agronomy	1994

101	Shri V.B. Ramani	Irrigation scheduling in mustard (*Brassica juncea* L.) under moisture stress condition of South Gujarat	Dr. M.P.Patel	Agriculture	Agronomy	1994
102	Shri C.P. Vaghela	Effect of irrigation and mulch on yield, yield attributes and quality of safflower (*Carthamus tinctorius* L.) under South Gujarat conditions	Dr. H.C.Patel	Agriculture	Agronomy	1994
103	Shri J.K. Patel	Interactive effects of weed management and nitrogen on cabbage (*Brassica oleracea* L. *var. Capitata*)	Dr. C.L.Patel	Agriculture	Agronomy	1994
104	Shri S.P. Patel	Response of cabbage (*Brassica oleracea* L. *Var. Capitata*) cv. *Golden acre* to drip irrigation and fertigation in vertic ustochrept of South Gujarat	Dr. H.C.Patel	Agriculture	Agronomy	1994
105	Shri N.K. Gabani	Response of *Rabi* sorghum (*Sorghum bicolor* L.) Var. *Gj-38* to irrigation and biofertilizer under South Gujarat condition	Dr. H.C.Patel	Agriculture	Agronomy	1994
106	Shri M.M. Patel	Integrated weed management in summer paddy (*Oryza sativa L*) under South Gujarat condition	Dr. H.S.Damame	Agriculture	Agronomy	1995
107	Shri P.A. Saradva	Response of *Rabi* sorghum (*Sorghum bicolor L*) Var. *Gj-38* to plant spacings and levels of nitrogen and phosphorus under South Gujarat condition	Dr. H.C.Patel	Agriculture	Agronomy	1995
108	Shri J.B. Vaghamsi	Response of summer groundnut (*Arachis hypogaea* L.) Var.*GG-2* to soil amendments, biological and chemical source of nitrogen and phosphorus under South Gujarat condition	Dr. H.C.Patel	Agriculture	Agronomy	1995
109	Shri M.S. Malik	Response of summer soybean to row spacings and levels of nitrogen and phosphorus under vertic ustochrept of South Gujarat	Dr. H.C.Patel	Agriculture	Agronomy	1996
110	Shri A.A. Raj	Response of summer black gram (*Vigna mungo* L.) to varying levels of nitrogen, phosphorus and biofertilizers under South Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	1996
111	Shri C.D. Chaudhari	Response of summer okra (*Abelmoschus esculentus* L.) to weed management under two fertility levels	Dr. C.L.Patel	Agriculture	Agronomy	1998

112	Shri K.G. Gohil	Response of summer groundnut (*Arachis hypogaea* L.) varieties to different methods of sowing and growth retardant	Dr. H.S.Damame	Agriculture	Agronomy	1998
113	Shri R.N. Patel	Response of rice varieties to dates of direct seeding and weed managements in summer season	Dr. C.L.Patel	Agriculture	Agronomy	1999
114	Shri R.B. Patel	Response of cotton to plant densities, graded levels of nitrogen and phosphorus under rainfed condition Var. *G.Cot.-16*	Dr. P.G.Patel	Agriculture	Agronomy	2000
115	Shri N.D. Patel	Response of *Rabi* pigeon pea (*Cajanus cajan* L.) to row spacing and levels of nitrogen and phosphorus under vertic ustochrept soil of South Gujarat	Dr. H.C.Patel	Agriculture	Agronomy	2000
116	Shri N.M. Patel	Response of black gram (*Phaseolus mungo* L.) to weed management, bio-fertilizer and levels of phosphorus under South Gujarat conditions.	Dr. H.C.Patel	Agriculture	Agronomy	2000
117	Shri V.T. Patel	Effect of date of transplanting, spacing and fertilizer doses on summer rice Cv. *masuri* on vertisol of South Gujarat	Dr. H.C.Patel	Agriculture	Agronomy	2000
118	Shri D.B. Patel	Integrated nitrogen management in summer paddy (*Oryza sativa* L.)	Dr. H.C.Patel	Agriculture	Agronomy	2000
119	Shri D.D. Patel	Intercropping in cotton *G.Cot.Hy.-10* under irrigated condition	Dr. P.G.Patel	Agriculture	Agronomy	2000
120	Shri A.D. Raj	Integrated weed management in summer soybean (*Glycine max* L.) under South Gujarat condition	Dr. N.P.Patel	Agriculture	Agronomy	2000
121	Shri A.P. Patel	Effect of soil conditioners with different levels of nitrogen on growth and yield of onion (*Allium cepa* L.)	Dr. H.S.Damame	Agriculture	Agronomy	2000
122	Shri C.N. Chauhan	Effect of spacing, weeds and phosphorus management on chickpea (*Cicer arietinum* L.)	Dr.C.L.Patel	Agriculture	Agronomy	2000
123	Shri N.G. Gamit	Weed management in onion (*Allium cepa* L.) under South Gujarat conditions.	Dr.H.S.Damame	Agriculture	Agronomy	2000

124	Shri S.P. Patel	Response of sesamum to dates of sowing under varying plant geometry in summer season	Dr. M.K.Arvadia	Agriculture	Agronomy	2000
125	Shri J. P. Patel	Integrated weed management in *Rabi* pigeon pea (*Cajanus cajan* L.).	Dr. V.C.Raj.	Agriculture	Agronomy	2000
126	Shri N.C. Patel	Response of *Rabi* pigeon pea (*Cajanus cajan* L.) to irrigation levels and varieties under South Gujarat conditions.	Dr. H.S.Damame	Agriculture	Agronomy	2000
127	Shri C.C. Garasia	Response of *Rabi* pigeon pea (*Cajanus cajan* L.) to nitrogen, phosphorus and bio-fertilizers under South Gujarat conditions.	Dr. V.C.Raj.	Agriculture	Agronomy	2001
128	Shri H.C. Patel	Response of rice to weed management in nursery and nitrogen levels in summer season	Dr. C.L.Patel	Agriculture	Agronomy	2001
129	Shri U.H. Patil	Effect of FYM, biofertilizer and nitrogen levels on growth, yield and quality of mustard (*Brassica juncea* L.) under South Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2001
130	Shri B.K. Patel	Weed management in summer black gram (*Phaseolus mungo* L.) under South Gujarat conditions.	Dr. V.C.Raj.	Agriculture	Agronomy	2002
131	Shri R.T. Bhavsar	Response of summer soybean (*Glycine max* L.) to plant densities and various methods of weed control under South Gujarat conditions.	Dr. V.C.Raj.	Agriculture	Agronomy	2002
132	Shri V.M. Patel	Response of black gram (*Phaseolus mungo* L.) to irrigation levels and weed management practices under South Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2002
133	Shri V.S. Rathore	Response of blackgram (*Phaseolus mungo* L.) to land configuration and weed management practices under South Gujarat conditions.	Dr. H.S.Damame	Agriculture	Agronomy	2003
134	Shri K.B. Patel	Response of gram (*Cicer arietinum* L.) to irrigation under low land conditions of South Gujarat	Dr. M.K.Arvadia	Agriculture	Agronomy	2003

135	Shri D.S. Patel	Response of chickpea (*Cicer arietinum* L.) to integrated nutrient management on vertisol of South Gujarat	Dr. M.K.Arvadia	Agriculture	Agronomy	2003
136	Shri M.N. Joshi	Effect of varying levels of irrigation, phosphorus and bio-fertilizer on summer soybean (*Glycine max* L.) under South Gujarat condition.	Dr. J.D.Thanki	Agriculture	Agronomy	2003
137	Shri S.K. Dhimmar	Response of *kharif* cowpea to land configuration and bio-fertilizers under South Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	2003
138	Shri S.K. Solanki	Integrated nutrient management in soybean (*Glycine max* L.) under South Gujarat conditions.	Dr. L.K.Patel	Agriculture	Agronomy	2003
139	Shri N.S. Borse	Integrated nutrient management in summer groundnut (*Arachis hypogaea* L.) under South Gujarat conditions	Dr. L.K.Patel	Agriculture	Agronomy	2004
140	Shri N.J. Chaudhari	Performance of sorghum and black gram intercropping system under varying planting pattern and fertility levels on vertisol of South Gujarat	Dr. M.K.Arvadia	Agriculture	Agronomy	2004
141	Shri M.R. Gami	Response of summer greengram (*Phaseolus radiatus* L.) to moisture regimes and fertility management with and without organic manure under South Gujarat condition.	Dr. J.D.Thanki	Agriculture	Agronomy	2004
142	Shri A.M. Patel	Integrated weed management in summer greengram (*Phaseolus radiatus* L.) under South Gujarat condition.	Dr. J.D.Thanki	Agriculture	Agronomy	2004
143	Shri A.J. Patel	Response of *kharif* okra (*Abelmoschus esculentus* L.) to spacing and weed management under South Gujarat conditions	Dr. V.C.Raj	Agriculture	Agronomy	2005
144	Shri M.L. Patel	Response of sorghum (*Sorghum bicolor* L.) variety *Gj-40* to plant population and graded levels of nitrogen under South Gujarat conditions.	Dr. L.K.Patel	Agriculture	Agronomy	2005
145	Shri A.P. Ambhore	Response of summer greengram (*Vigna radiata* L.) to biofertilizers and inorganic fertilizers under South Gujarat condition.	Dr. V.C.Raj	Agriculture	Agronomy	2005

146	Shri H.M. Chaudhari.	Response of *kharif* cowpea (*Vigna unguiculata* L.) *Walp.)* to integrated weed management under South Gujarat conditions.	Dr. H.S.Damame	Agriculture	Agronomy	2005
147	Shri P.K.Talati	Effect of inorganic and organic sources of nitrogen on summer soybean (*Glycine max L Merr.*) under South Gujarat conditions.	Dr. J.D.Thanki	Agriculture	Agronomy	2005
148	Shri S.B.Gamit	Response of summer cowpea (*Vigna unguiculata L. Walp.*) to row spacing and weed management under South Gujarat conditions.	Dr. V.C.Raj	Agriculture	Agronomy	2005
149	Shri U.D.Patil	Response of fenugreek (*Trigonell fornum graecum* L.) to organic manure and fertilizer management under South Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2005
150	Shri P.K.Das	Response of summer green gram (*Vigna radiata* L.) *cultivars to* weed management under South Gujarat conditions.	Dr. V.C.Raj	Agriculture	Agronomy	2005
151	Shri K.K.Patel	Response of baby corn (*Zea mays* L.) to varying levels of plant population and nitrogen	Dr. M.K.Arvadia	Agriculture	Agronomy	2005
152	Shri V.R.Naik	Effect of irrigation and mulches on growth and yield of *Rabi* castor (*Ricinus communis* L.)	Dr.V.C.Raj	Agriculture	Agronomy	2005
153	Shri M.M.Gajjar	Response of coriander (*Coriandrum sativam* L.) to organic manure and fertilizer management under South Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2005
154	Shri R.K.Solanki	Response of *Rabi* pigeon pea (*Cajanus cajan* L.) to moisture regimes and fertilizer management with and without FYM under South Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2006
155	Shri C.M.Zalawadia	Response of summer groundnut (*Arachis hypogaea* L.) to weed management under South Gujarat condition	Dr. V.C.Raj	Agriculture	Agronomy	2006
156	Shri M.R.Patel	Response of summer sesamum (*Sesamum indicum* L.) to weed management under South Gujarat condition	Dr. V.C.Raj	Agriculture	Agronomy	2006

157	Shri P.P.Parmar	Response of *Rabi* green gram (*Vigna radiata* L.) to irrigation, phosphorus and bio- fertilizer under South Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2006
158	Shri V.I.Patel	Response of fennel (*Foeniculum vulgare* Mil.) to conjunctive use of bio-organic and inorganic fertilizers under South Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2006
159	Shri A.K.Patel	Interacting effect of sowing dates and plant population on castor *GCH-4* (*Ricinus communis* L.) during *Rabi* season.	Dr. H.S.Damame	Agriculture	Agronomy	2006
160	Shri C.R.Patel	Effect of sowing dates on performance of groundnut (*Arachis hypogaea* L.) cultivars in *Rabi* season under South Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	2006
161	Shri J.H.Chaudhari	Effect of sowing dates and spacing on *Rabi* grain amaranth (*Amaranthus hyochondriacus* L.) under South Gujarat conditions	Dr. V.C.Raj	Agriculture	Agronomy	2006
162	Shri S.N.Bhagriya	Response of *Rabi* green gram (*Vigna radiata* L.) to weed management under south Gujarat conditions	Dr. V.C.Raj	Agriculture	Agronomy	2006
163	Shri T.B.Patel	Response of fenugreek (*Trigonella foenum- graecum* L.) to integrated nutrient management under south Gujarat conditions	Dr. S.D.Patel	Agriculture	Agronomy	2006
164	Shri S.P.Yadav	Response of niger (*Guizotia abyssinica* L.) to sowing dates and levels of fertilizer in *Rabi* season under south Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	2006
165	Shri A.A.Patel	Integrated nutrient management in onion (*Allium cepa* L.) under south Gujarat conditions	Dr.S.D.Patel	Agriculture	Agronomy	2006
166	Shri P.M. Patel	Irrigation and nutrient management in *Rabi* niger (*Guizotia abyssinica* L.) under south Gujarat plains	Dr. N.D.Desai	Agriculture	Agronomy	2007
167	Shri Laxmichand Nagar	Response of mustard (*Brassica spp.*) to integrated nutrient management (INM) under south Gujarat conditions.	Dr. V.C.Raj	Agriculture	Agronomy	2007

168	Shri T.K. Patel	Response of fenugreek (*Trigonell fornum graecum* L.) to phosphorus and sulphur with and without FYM under south Gujarat conditions	Dr. V.C.Raj	Agriculture	Agronomy	2007
169	Shri P.V. Raj	Integrated nutrient management in *Rabi* sweet corn (*Zea mays* L.) under south Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	2007
170	Shri.D.J. Hansotiya	Response of castor (*Ricinus communis* L.) cultivars to sowing time under varying planting density during *rabi* season	Dr. M.K.Arvadia	Agriculture	Agronomy	2007
171	Shri H.H.Patel	Effect of land configuration and nutrient management in *Rabi* sorghum (*Sorghum bicolor* L.) under south Gujarat conditions.	Dr. .S.D.Patel	Agriculture	Agronomy	2007
172	ShriT.U.Patel	Seed production potential of oat (*Avena sativa* L.) as influenced by time of cutting and nitrogen application	Dr. M.K.Arvadia	Agriculture	Agronomy	2007
173	Shri B.P.Vasava	Intercropping study in *Rabi* castor (*Ricinus communis* L.) under south Gujarat conditions.	Dr. .S.D.Patel	Agriculture	Agronomy	2008
174	Shri P. F. Chaudhari	Response of sorghum (*Sorghum bicolor* L. Moench) varieties to different levels of irrigation during *Rabi* season	Dr. N.D.Desai	Agriculture	Agronomy	2008
175	Shri M.B. Patel	Response of promising Indian bean (Lablab purpureus L.) variety- Navsari selection to planting geometry and stem cutting	Dr. H.S.Damame	Agriculture	Agronomy	2008
176	Shri P.B. Behere	Study on intercropping of summer green gram (*Vigna radiata* L.) in sweet corn (*Zea mays* L.) under south Gujarat condition	Dr. V.C.Raj	Agriculture	Agronomy	2008
177	Shri Y.M.Kushare	Effect of farm yard manure and inorganic fertilizer on yield of *Rabi* amaranth (*Amaranthus hypochondriacus* L.) under south Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2008
178	Shri S.L.Adhav	Effect of organic and inorganic sources of nitrogen on growth and yield of *Rabi* drilled fennel (*Foeniculum vulgare Mil.*) under South Gujarat	Dr. J.D.Thanki	Agriculture	Agronomy	2008

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179	Shri P.G.Shete	Response of *Rabi* green gram (*Vigna radiata* L.) to land configuration and inorganic fertilizer with and without FYM under south Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2008
180	Shri C.M.Makwana	Effect of weed management in fenugreek (*Trigonell fornum graecum* L.) under south Gujarat conditions	Dr. V. C. Raj	Agriculture	Agronomy	2008
181	Shri S.K.Parmar	Seed production potential of lucerne (*Medicago sativa* L.) as influenced by cutting management and Zn levels	Dr. M.K.Arvadia	Agriculture	Agronomy	2009
182	Shri Hemant kumar	Response of dill seed (*Anethum sowa* Roxb. Ex Flem.) to date of sowing, nitrogen and phosphorus fertilizers	Dr. V.C.Raj	Agriculture	Agronomy	2009
183	Shri S.A. Bhoya	Effect of land configuration and different levels of potash and sulphur on growth and seed yield of coriander (*Coriandrum sativum* L.) under South Gujarat conditions	Dr. H.S.Damame	Agriculture	Agronomy	2009
184	Mrs. Surve Vaishali H.	Yield performance of fodder sorghum (*Sorghum bicolar* L.), Maize (*Zea maize* L.) and Cowpea (*Vigna Unguiculate* L.) under sole and intercropping system.	Dr. M.K.Arvadia	Agriculture	Agronomy	2009
185	Mr. V. S. Baviskar	Response of summer clusterbean (*Cyamopsis tetragonoloba* L. TAUB.) to organic fertilizers and different levels of sulphur for vegetable purpose under south Gujarat condition	Dr. H.S.Damame	Agriculture	Agronomy	2009
186	Mr. V. T. Bagal	Effect of tillage depth and irrigation levels on cotton under South Gujarat condition	Dr. J.D.Thanki	Agriculture	Agronomy	2009
187	Mr. C.K. Dewangan	Response of *Rabi* fennal (*Foeniculum vulgare* Mill.) to planting geometry and stage of harvesting under Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2009

188	Mr.S.U.Patel	Accessibility of intercropping in *Rabi* pigeon pea (*Cajanus cajan* L.) under South Gujarat condition	Dr. V. C. Raj	Agriculture	Agronomy	2009
189	Mr.R.A.Daspute	Feasibility study on mini sprinkler in fenugreek (*Trigonell fornum graecum* L.) with integrated nutrient management under south Gujarat conditions	Dr. N.D.Desai	Agriculture	Agronomy	2009
190	Mr. D.K. Patel	Weed management in aerobic rice (*Oryza sativa* L.) under south Gujarat condition	Prof. K.P. Patel	Agriculture	Agronomy	2009
191	Mr. N.H. Gamit	Integrated weed management in mustard (*Brassica juncea* L.) under south Gujarat condition	Dr. J.D. Thanki	Agriculture	Agronomy	2009
192	Mr. Z.N. Zala	Response of garlic (*Allium sativum* L.) to different levels of irrigation and integrated nutrient management	Dr. N.D. Desai	Agriculture	Agronomy	2009
193	Mr. N.A. Chavada	Response of ajowan (*Trachyspermum* ammi L.) to date of sowing and planting geometry under south Gujarat condition	Dr. V.C. Raj	Agriculture	Agronomy	2009
194	Miss. B.B.Tendel	Response of sweet corn (*Zea mays* L.) to weed management and nitrogen levels under south Gujarat condition	Dr.V.C.Raj	Agriculture	Agronomy	2010
195	Mr. C.D.Tekale	Comparative performance of summer green gram (*Vigna radiata* L.) cultivars under different dates of sowing and plant densities in south Gujarat conditions	Dr.D.D.Patel	Agriculture	Agronomy	2010
196	Mr.P.D.Pawade	Response of winter maize (*Zea mays* L.) to sowing time and inter row spacing under south Gujarat condition	Dr. M.K.Arvadia	Agriculture	Agronomy	2010
197	Mr.O.B.Vidhate	Integrated nutrient management in summer vegetable clusterbean (*Cyamopsis tetragonoloba* L.TABU.) under south Gujarat condition	Dr. J.D. Thanki	Agriculture	Agronomy	2010
198	Mr. R.S.Dongare	Response of different cultivars of gram (*Cicer arientum* L.) to integrated nutrient management under south Gujarat condition	Dr.D.D.Patel	Agriculture	Agronomy	2011

199	Mr. S.B. Dongare	Response of amaranth (*Amaranthus hypochondriacus* L.) to levels of nitrogen and organic manures south Gujarat condition	Dr. J.D. Thanki	Agriculture	Agronomy	2011
200	Mr.S.P.Deshmukh	Response of summer pearl millet (*Pennisetum glaucum* L.) varieties to land configuration and dates of sowing under south Gujarat condition	Dr.J.G.Patel	Agriculture	Agronomy	2011
201	Mr. A.J.Patel	Effect of weed management in *Rabi* castor (*Ricinus communis* L.) under south Gujarat condition	Dr.H.M. Virdia	Agriculture	Agronomy	2011
202	Mr.V.S.Deshmukh	Response of vegetable clusterbean (*Cymopsis tetragonoloba* L.) to sowing time under varying nutrient management in summer season	Dr. M.K.Arvadia	Agriculture	Agronomy	2011
203	Mr.S.K.Desai	Effect of irrigation, nitrogen and biofertilizer levels on *Rabi* black green gram castor (*Vigna radiata* L.) under south Gujarat condition	Dr. J.D. Thanki	Agriculture	Agronomy	2011
204	Mr.S.M.More	Response of *Rabi* maize (*Zea mays* L.) to integrated nitrogen management with and without vermivash under south Gujarat condition	Dr. D.R.Prajapati	Agriculture	Agronomy	2011
205	Mr. N.M.Vasava	Response of *Rabi* castor (*Ricinus communis* L.) Hy.GCH-7 to rate and sources of nitrogen with and without biofertilizer under south Gujarat condition	Prof. K.P. Patel	Agriculture	Agronomy	2011
206	Mr.A.S.Bhadauria	Response of mustard (*Brassica juncea* L.) to irrigation and cycocel under south Gujarat condition	Dr. J.D. Thanki	Agriculture	Agronomy	2011
207	Mr Balwan	Weed management in gram (*GG-2*) under south Gujarat condition	Dr. H.M. Virdia	Agriculture	Agronomy	2012
208	Mr. A.J.Desai	Influence of irrigation levels and nutrition on performance of *rabi* Maize (*Zea mays* L.) under south Gujarat condition	Prof. K.P. Patel	Agriculture	Agronomy	2012
209	Mr. B.Bhanvariya	Response of linseed (*Linum usitatissimum* L.) to integrated nutrient management under south Gujarat condition	Prof. K.P. Patel	Agriculture	Agronomy	2012

210	Mr. M.P.Chaudhari	Effect of spacing and nutrient management on dhaincha (*Sesbania aculeata* L.) under south Gujarat condition	Dr. D.D. Patel	Agriculture	Agronomy	2012
211	Mr. S.G.Algotar	Response of *rabi* green gram (*Vigna radiata* L.) varieties to weed management practices under south Gujara condition	Dr. V.C. Raj	Agriculture	Agronomy	2012
212	Miss R.D. Patel	Response of different cultivars of green gram (*Vigna radiata*)to integrated nutrient management under south Gujarat condition	Dr. D.D. Patel	Agriculture	Agronomy	2012
213	Mr. R.N. Patel	Effect of irrigation levels and mulching on yield and quality of summer sesamum (*Sesamum indicum* L.) under south Gujarat condition	Dr. D.R. Prajapati	Agriculture	Agronomy	2012
214	Mr. A. P. Barvaliya	Effect of spacing and irrigation on growth and yield of *rabi* pigeon pea varieties under south Gujarat condition	Dr. H.M. Virdia	Agriculture	Agronomy	2012
215	Mr. V.D. Patel	Effect of nutrient management on sannhemp (*Crotolaria juncea* L.) seed production under south Gujarat condition	Prof. K.P. Patel	Agriculture	Agronomy	2012
216	Mr. P.B. Shinde	Integrated nutrient management in soybean (*Glycine max*.L) grown during summer season under different land configuration	Dr. D.R. Prajapati	Agriculture	Agronomy	2012
217	Mr. P.A. Patil	Effect of weed management in pre *kharif* clusterbean under south Gujarat condition	Dr. H.M. Virdia	Agriculture	Agronomy	2012
218	Mr. S. V. Lipne	Planting geometry and mulching study in watermelon (*Citrullus lanatus* Thunb) under irrigation	Dr. D.R. Prajapati	Agriculture	Agronomy	2012
219	Mr. A.M. Polara	Integrated nutrient management in summer pearl millet under south Gujarat conditions	Dr. V. M. Patel	Agriculture	Agronomy	2013
220	Mr. Shiv Chandrakar	Response of chickpea (*Cicer arietinum* L.) cultivars to weed management practices under south Gujarat conditions	Dr. V. C. Raj	Agriculture	Agronomy	2013
221	Mr. S.J. Sandhi	Effect of spacing and nutrient management in sunflower (*Helianthus annuus* L.) under south Gujarat condition	Dr. J.G.Patel	Agriculture	Agronomy	2013

222	Mr. R. N. Mansuri	Weed management in sugarcane under south Gujarat condition	Dr. D.D.Patel	Agriculture	Agronomy	2013
223	Mr. P.R.Chaudhari	Response of rice (Oryza sativa L.) to age of seedlings and fertilizer management	Dr. A.P.Patel	Agriculture	Agronomy	2013
224	Mr. V.T. Parmar	Weed management in sunflower (Helianthus annuus L.) under south Gujarat condition	Dr. J.G. Patel	Agriculture	Agronomy	2013
225	Mr. V. R. Jinjala	Integrated nutrient management in baby corn (*Zea mays* L.)	Dr. H. M. Virdia	Agriculture	Agronomy	2013
226	Mr. S. G. Patel	Study of critical period of crop-weed competition in *rabi* castor (*Ricinus communis* L.) under south Gujarat condition	Dr. D.D. Patel	Agriculture	Agronomy	2013
227	Mr. S. R. Chaudhary	Effect of row spacing and irrigation scheduling based on IW/CPE ratio on linseed under south Gujarat condition.	Dr. H. M. Virdia	Agriculture	Agronomy	2013
228	Mr. M. H. Gohil	Effect of spacing and nitrogen levels on growth, yield and quality of Bt cotton under south Gujarat condition	Dr. V. P. Usadadia	Agriculture	Agronomy	2013
229	Mr. K. S. Patel	Study on critical period of crop weed competition in *rabi* sorghum Cv. GJ-38 under south Gujarat condition	Dr. L.K.Arvadia	Agriculture	Agronomy	2013
230	Mr. M. K. Desai	Effect of different levels, split application and methods of application of nitrogen on growth, yield and quality of Bt cotton under south Gujarat condition	Dr. V. P. Usadadiya	Agriculture	Agronomy	2014
231	Mr. M. V. Dangariya	Response of *rabi* sweet corn (*Zea mays* L.*var. saccharata sturt*) to spacing and fertilizer levels under south Gujarat condition.	Dr. M. S. Dudhat	Agriculture	Agronomy	2014
232	Mr. A. C. Patel	Effect of nitrogen and sulphur on growth, yield and quality of summer pearl millet (*Pennisetum glaucum* L.)	Dr. M. S. Dudhat	Agriculture	Agronomy	2014
233	Mr. P. J. Gohel	Feasibility of drip irrigation in *rabi* pigeonpea (Cajanus cajan L.) with an without mulching	Dr. D. R. Prajapati	Agriculture	Agronomy	2014

		under south Gujarat condition				
234	Mr. S. B. Patel	Response of greengram (*Vigna radiata* L.) to spacing, levels of fertilizer with and without FYM under south Gujarat condition	Dr. J. G. Patel	Agriculture	Agronomy	2014
235	Mr. Dinesh Kumar	Production potential of chickpea (*Cicer arietinum* L.) as influenced by graded levels of fertilizers and bio fertilizers under south Gujarat condition	Dr. L. K. Arvadiya	Agriculture	Agronomy	2014
236	Mr. N. D. Makwana	Effect of various levels of fertilizer and organic sources on *rabi* maize under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2014
237	Miss Kokni Jyoti	Response of summer blackgram (*Vigna mungo* L.)to FYM, phosphorus and sulphur under south Gujarat condition	Dr. K. A. Shah	Agriculture	Agronomy	2014
238	Mr. Patel A. R.	Integrated nutrient management in summer green gram (*Vigna radiata* L.) under south Gujarat condition	Dr. D. D. Patel	Agriculture	Agronomy	2014
239	Der Pradip Bharatkumar	Response of hybrid maize (*Zea mays* L.) to nitrogen, phosphorus and biofertilizer under south Gujarat condition	Dr. R. M. Pankhaniya	Agriculture	Agronomy	2014
240	Kaneriya Upendra Jayantilal	Weed management study in chickpea (*Cicer arietinum* L.) under south Gujarat conditions	Dr. L. J. Desai	Agriculture	Agronomy	2014
241	Desai Kalpesh L.	Effect of different sowing dates and planting geometry on growth, yield and quality of sweet sorghum (*Sorghum bicolor* (L.)) during winter season	Dr. L. K. Arvadiya	Agriculture	Agronomy	2014
242	Mahesh Chouhan	Effect of transplanting dates and nitrogen levels on growth, yield and quality of summer pearl millet (Pennisetum glaucum L.) under south Gujarat condition	Dr. N. N. Gudadhe	Agriculture	Agronomy	2014
243	Amit Kumar Kumawat	Response of castor (*Ricinus communis* L.) to row spacing and intercropping with mungbean (*Vigna radiata* L.) during *rabi* season	Dr. R. B. Ardeshna	Agriculture	Agronomy	2014

244	Prajapati Bankimchandra J.	Integrated phosphorus management in chickpea (Cicer arietinum L.)	Dr. N. N. Gudadhe	Agriculture	Agronomy	2014
245	Mr. N. P. Patel	Impact of sowing methods and integrated nutrient management on *rabi* fodder sorghum under south Gujarat condition	Dr. J.G. Patel	Agriculture	Agronomy	2014
246	Mr. V. L.Nagar	Effect of irrigation and sulphur levels on yield of cluster bean (*Cyamopsis tetragonoloba* L.) under south Gujarat condition	Dr. D. R. Prajapati	Agriculture	Agronomy	2014
247	Mr. V.N. Gamit	Evalusation of pigeonpea genotypes for intercropping with sorghum under south Gujarat condition	Dr. M. M. Patel	Agriculture	Agronomy	2014
248	Mr. R. V. Patel	Response of summer green gram (*Vigna radiata* L. Wilczek) to weed management under south Gujarat condition	Dr. R. L. Leva	Agriculture	Agronomy	2015
249	Miss V. D. Chaudhari	Weed management study in summer greengram (*Vigna radiata* L.) under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2015
250	Mr. Chetariya M. D.	Integrated weed management in *rabi* sweet corn (*Zea mays* L. var. saccharata) under south Gujarat condition	Dr. M. S. Dudhat	Agriculture	Agronomy	2015
251	Mr. Kushiram Kuvamat	Study on critical period of crop weed competition in aerobic rice under south Gjujarat condition	Dr. R. M. Pankhaniya	Agriculture	Agronomy	2015
252	Miss Chaudhari S. N.	Effect of organic manures, biofertilizer and phosphorus fertilization on growth yield and quality of blak green gram under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2015
253	Mr. Kanara Dinesh A.	Production practices of organically grown summer groundnut (*Arachis hypogaea* L.) under south Gujarat condition	Dr. V. M. Patel	Agriculture	Agronomy	2015
254	Miss Chanchal Verma	Integrated nutrient management for seed yield of oat (*Avena sativa* L.) under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2015

255	Mr. Gohil Jasvant R.	Performance of linseed (*Linum usitatissimum*) to different date of sowing, seed rate and row spacing under south Gujarat condition	Dr. L. K. Arvadia	Agriculture	Agronomy	2015
256	Mr. Kamani Milan D.	Response of summer maize (*Zea mays* L.) to row spacing and weed management practices	Dr. R. B. Ardeshna	Agriculture	Agronomy	2015
257	Mr. Patel Jigarkumar P.	Evaluation of integrated nutrient management module for summer groundnut (*Arachis hypogaea* L.) under south Gujarat condition	Dr. M. S. Dudhat	Agriculture	Agronomy	2015
258	Mr. Rod Nileshkumar K.	Response of chickpea to cobalt sources and levels on growth, yield and quality	Dr. N. N. Gudadhe	Agriculture	Agronomy	2015
259	Miss Anita	Study of irrigation schedule and weed management practices in summer greengram under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2015
260	Mr. Savaliya Dharmesh V.	Weed management in coriander (*Coriandrum sativum* L.) under south Gujarat condition	Dr. T. U. Patel	Agriculture	Agronomy	2015
261	Mr. Damor Kavita Samsubhai	Evaluate the performance of rice varieties (*Oryza sativa* L.) under different spacing and age of seedling in south Gujarat conditions	Dr. V. P. Usadadiya	Agriculture	Agronomy	2015
262	Mr. Kavad Nitinbhai B.	Response of summer blackgram (*Vigna mungo* L.) to pre and post emergence herbicides under south Gujarat conditions	Dr. C. K. Patel	Agriculture	Agronomy	2015
263	Mr. Akhilesh Singh	Integrated nutrient management in aerobic rice (*Oryza sativa* L.)	Dr. R. B. Ardeshna	Agriculture	Agronomy	2015
264	Mr. Chaudhary Laljibhai M.	Integrated weed management in summer pearl millet (Pennisetum glaucum L.) under south Gujarat condition	Dr. V. P. Usadadia	Agriculture	Agronomy	2015
265	Mr. Patel Bhaveshkumar A.	Integrated nutrient management in blacdkgram (*Vigna mungo* L.) under south Gujarat condition	Dr. A. P. Patel	Agriculture	Agronomy	2015

266	Panchal Chetankumar C.	Response of summer green gram (*Vigna radiata* L.) to different row spacing and weed management practices under south Gujarat conditions	Dr. Vinay Patel	Agriculture	Agronomy	2015
267	Mr. Patel Maulikkumar M.	Phosphorus management in summer greengram (*Vigna radiata* L.) under south Gujarat conditions	Dr. C. K. Patel	Agriculture	Agronomy	2015
268	Mr. Zinzala Manish J.	Weed management practices in summer okra (*Abelmoschus esculentus* L. Moench.) under south Gujarat condition	Dr. T. U. Patel	Agriculture	Agronomy	2015
269	Hadiya Vallabh H.	Phosphorus and potassium management in summer sweet corn (Zea mays L.) under south Gujarat condition	Dr. K. A. Shah	Agriculture	Agronomy	2015
270	Kachariya Vipulkumar C.	Integrated nutrient management in summer green gram (*Vigna radiata* L.) under south Gujarat condition	Dr. M.M. Patel	Agriculture	Agronomy	2016
271	Patel Bhaveshkumar D.	Weed management practices in *rabi* black green gram (*Vigna radiata* L.) under south Gujarat condition	Dr. R. L. Leva	Agriculture	Agronomy	2016
272	Mr. Javid Qurban Ali	Integrated weed management study in summer maize under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2016
273	Rameti Jangir	Performance of mustard to different planting methods and weed management under south Gujarat condition	Dr. L. K. Arvadiya	Agriculture	Agronomy	2016
274	Mr. Ahir Nitin B.	Influence of integrated nutrient management in summer maize under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2016
275	Chaudhari Nareshkumar N.	Integrated nitrogen management in summer pearl millet under south Gujarat condition	Dr. D. D. Patel	Agriculture	Agronomy	2016
276	Barad Harisinh	Effect of different organic manures and levels of inorganic	Dr. C. K. Patel	Agriculture	Agronomy	2016
277	Joshi Jigarkumar R.	Response of summer cowpea to land configuration and fertilizer management	Dr. V. M. Patel	Agriculture	Agronomy	2016

		practices under south Gujarat condition				
278	Thumar Chiragkumar M.	Effect of integrated nutrient management on summer pearl millet (*Pennisetum glaucum* L.) under south Gujarat condition	Dr. M. S. Dudhat	Agriculture	Agronomy	2016
279	Patel Sanjaykumar G.	Effect of spacing and nutrient management on summer sesame under south Gujarat condition	Dr. R. L. Leva	Agriculture	Agronomy	2016
280	Miss Macwan Sheron	Response of summer greengram to foliar spray of nutrients under south Gujarat condition	Dr. V. M. Patel	Agriculture	Agronomy	2016
281	Chaudhary K. Maftabhai	Response of summer black gram to different row spacing's and weed management practices under south Gujarat condition	Dr. A. D. Raj	Agriculture	Agronomy	2016
282	Chhaganiya Hemrajbhai J.	Integrated weed management in linseed (*Linum usitatissimum* L.) under south Gujarat condition	Dr. A. P. Patel	Agriculture	Agronomy	2016
283	Nazir Khan	Response of sweet corn to various levels of inorganic fertilizer and vermicompost with and without biofertilizer	Dr. R. M. Pankhaniya	Agriculture	Agronomy	2017
284	Santosh Onte	Ferti-fortification of cobalt in chickpea	Dr. N. N. Gudadhe	Agriculture	Agronomy	2017
285	Deep Singh Rajpurohit	Summer sesamum growth and yield as influenced by different row spacing and weed management under south Gujarat condition	Dr. L. K. Arvadia	Agriculture	Agronomy	2017
286	Maitrikkumar Joshi	Response of pearlmillet to levels and scheduling of nitrogen under south Gujarat condition	R. M. Pankhaniya	Agriculture	Agronomy	2017
287	Stuti Debapriya Behera	Response of sugarbeet varieties to land configuration under south Gujarat condition	Dr. M. K. Arvadia	Agriculture	Agronomy	2017
288	Keraliya Sagar Jentibhai	Study on integrated nitrogen management in grain amaranth under south Gujarat	Dr. L. J. Desai	Agriculture	Agronomy	2017

		condition				
289	Bachcha Ram Verma	Integrated weed management in summer sorghum under south Gujarat condition	Dr. H. M. Virdia	Agriculture	Agronomy	2017
290	Prakashkumar R. Lakhana	Effect of land configuration and integrated nitrogen management in green gram under partially reclaimed coastal salt affected soil	Dr. M. M. Patel	Agriculture	Agronomy	2017
291	Miss Patel Suchi J.	Response of cabbage to foliar nutrients and different levels of nitrogen under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2017
292	Dinesh Kumar	Production potential of intercropping short duration pulses in summer seasamum	Dr. R. B. Ardeshna	Agriculture	Agronomy	2017
293	Chaudhari Sunilkumar D.	Effect of soil conditioner and integrated nutrient management on growth and yield of mungbean growing durin *rabi* season on partially reclaimed coastal salt affected soil of south Gujarat	Dr. V. R. Naik	Agriculture	Agronomy	2017
294	Sodavadiya Harinandan B.	Effect of land configuration, irrigation and inm on growth and yield of Indian bean	Dr. V. R. Naik	Agriculture	Agronomy	2017
295	Patel Chintankumar P.	Weed management in summer sesame under south Gujarat condition	Dr. D. D. Patel	Agriculture	Agronomy	2017
296	Baldaniya Bhavanaben M.	Nutrient management in Indian bean under south Gujarat condition	Dr. V. M. Patel	Agriculture	Agronomy	2017
297	Ladumor Raju G.	Ferti-fortification of zinc in maize	Dr. N. N. Gudadhe	Agriculture	Agronomy	2017
298	Patel Hardikkumar A.	Response of summer sesame to nitrogen phosphorus and biofertilizers under south Gujarat condition	Dr. A. D. Raj	Agriculture	Agronomy	2017
299	Katara Akshay R.	Effect of spacing and fertilizer management in kabuli chickpea	Dr. J. G. Patel	Agriculture	Agronomy	2017
300	Patel Himani B.	Response of greengram to different level of phosphorus and organic liquid fertilizer	Dr. K. A. Shah	Agriculture	Agronomy	2017

301	Thakor Ketankumar P.	Response of pearlmillet to different levels of irrigation, nitrogen and banana seudostem sap under south Gujarat condition	Dr. V. P. Usdadia	Agriculture	Agronomy	2017
302	Patel Ashishkumar K.	Production potential of intercropping short duration pulses in summer maize	Dr. R. B. Ardeshna	Agriculture	Agronomy	2017
303	Umat Mohit G.	Effect of organic and inorganic fertilizers on growth and seed yield of coriander	Dr. M. S. Dudhat	Agriculture	Agronomy	2017
304	Lodaya Darshan H.	Bioefficacy of new herbicides in direct seeded rice	Dr. T. U. Patel	Agriculture	Agronomy	2017
305	Miss Patel Kinnari M.	Integrated nutrient management in fodder cowpea under south Gujarat condition	Dr. R. M. Pankhaniya	Agriculture	Agronomy	2017
306	Miss Parmar Nikita N.	Effect of sources and levels of sulphur on growth, yield and quality of summer sesame under south Gujarat condition	Dr. A. P. Patel	Agriculture	Agronomy	2017
307	Pargi Kaushik Lemsing	Integrated nutrient management in summer cow pea under south Gujarat condition	Dr. R. L. Leva	Agriculture	Agronomy	2017
308	Gadhavi Devang P.	Response of black gram to organic and inorganic fertilizer with and without foliar application of banana pseudostem based organic liquid fertilizer	Dr. D. R. Prajapati	Agriculture	Agronomy	2018
309	Saladi Murmu	Study of critical period of crop weed competition in kabuli chickpea (*Cicer kabulium* L.) under south Gujarat condition	Dr. H. M. Virdia	Agriculture	Agronomy	2018
310	Subhra Sahoo	Weed management in garlic (*Allium sativum* L.)	Dr. T. U. Patel	Agriculture	Agronomy	2018
311	Ashwini Chavan	Response of summer sorghum (Sorghum bicolor L. Moench.) to spacing and nitrogen levels	Dr. R. B. Ardeshna	Agriculture	Agronomy	2018
312	Patel Krupaben Rameshbhai	Effect of variety and integrated nutrient management on growth and yield of fodder sugar beet	Dr. M. M. Patel	Agriculture	Agronomy	2018

313	Ganvit Vipulkumar C.	Production potential of forage oat-lucerne intercropping as influenced by different row ratio under south Gujarat conditions	Dr. V. H. Surve	Agriculture	Agronomy	2018
314	Ganvit Jigneshkumar B.	Effect of sowing dates and crops spacing on growth, yield and quality of linseed under south Gujarat conditions	Dr. Seema Sharma	Agriculture	Agronomy	2018
315	Patel Umangkumar A.	Study of critical period of crop-weed competition in summer bajra under south Gujarat condition	Dr. R. R. Pisal	Agriculture	Agronomy	2018
316	Patel Kartikkumar H.	Production potential of green gram varieties with different nutrient management under south Gujarat conditions	Dr. K. A. Shah	Agriculture	Agronomy	2018
317	Kalal Purviben H.	Integrated weed management in linseed under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2018
318	Chaudhari Dineshbhai I.	Integrated weed management in grain amaranth under south Gujarat condition	Dr. L. J. Desai	Agriculture	Agronomy	2018
319	Baldaniya Manishbhai J.	Weed management in fodder maize (*Zea mays* L.)	Dr. T. U. Patel	Agriculture	Agronomy	2018
320	Gujjar Pruthvi B.	Integrated nutrient management in summer sesame under south Gujarat condition	Dr. D. R. Prajapati	Agriculture	Agronomy	2018
321	Patel Ravikumar K.	Effect of organic and inorganic fertilizers on growth and seed yield of clusterbean under south Gujarat condition	Dr. M. S. Dudhat	Agriculture	Agronomy	2018
322	Patel Bhavini J.	Effect of spacing and weed management on summer moth bean	Dr. H. H. Patel	Agriculture	Agronomy	2018
323	Chaudhary Akashkumar N.	Integrated weed management in summer cluster bean	Dr. R. B. Ardeshna	Agriculture	Agronomy	2018
324	Rathod Manishaben K.	Influence of spacing and integrated nutrient management on sweet corn under south Gujarat condition	Dr. V. G. Bavalgave	Agriculture	Agronomy	2018
325	Doba Sanjaybhai D.	Effect of weed management practices on growth and yield of vegetable Indian bean under south Gujarat condition	Dr. S. P. Deshmukh	Agriculture	Agronomy	2018

326	Patel Sharadkumar D.	Study of critical period of crop weed competition in seasamum under south Gujarat condition	Dr. A. P. Patel	Agriculture	Agronomy	2018
327	Miss Sukanya E.	Response of cobalt and biofertilizers on growth, yield and quality of chickpea	Dr. N. N. Gudadhe	Agriculture	Agronomy	2018
328	Kalasariya Laljikumar B.	Response of gram to different herbicides under south Gujarat condition	Dr. V. M. Patel	Agriculture	Agronomy	2018

List of Ph.D. (Agri.) students who have passed their degree successfully

Sr. No.	Name of student	Title of Thesis	Name of Ph.D. Supervisor	Faculty	Subject	Year of Award
1	Shri K. R. Patel	Response of sugarcane (*Saccharum officinarum* L.) to different levels of irrigation and nitrogen under high water table conditions and their effects on incidence of pests	Dr. R.S. Joshi	Agriculture	Agronomy	1982
2	Shri R.G. Patel	Effect of water stagnation and rhizobium fertilization on growth and yield of gram (*Cicer arietinum* L.) and their influence on the succeeding summer pulses	Dr. R.S. Joshi	Agriculture	Agronomy	1984

3	Shri H.S. Patel	Effect of irrigation and fertilizer on the growth and yield of Indian bean (*Dolichos lablab* L.) and their residual effects on the succeeding forage sorghum (*Sorghum vulgare* L.) in summer.	Dr. R.B. Patel	Agriculture	Agronomy	1985
4	Shri R. M. Machhi	Nitrogen management for rice (*Oryza sativa* L.) Var. *SLR-51214* under partially reclaimed costal saline sodic soils of South Gujarat.	Dr. R.B. Patel	Agriculture	Agronomy	1987
5	Shri H.C. Patel	Response of NP and *azotobacter* on wheat (*Triticum aestivum* L.) and their residual effect on succeeding crop of green gram under South Gujarat conditions	Dr. R.B. Patel	Agriculture	Agronomy	1988
6	Shri S. S. Bainade	Effect of weed control methods and nitrogen levels on wheat (*Triticum aestivum* L.) and their residual effect on succeeding summer green gram crop.	Dr. Z.G. Patel	Agriculture	Agronomy	1988
7	Shri P. R. Chaudhary	Effect of spacing and irrigation scheduling on growth and yield of sunflower (*Helianthus anuus* L.)	Dr. Z.G. Patel	Agriculture	Agronomy	1991
8	Shri S. K. Patel	Effect of cutting management in relation to nitrogen and phosphorus fertilization on growth, yield and quality of fodder oat (*Avena sativa* L.)	Dr. P.G. Patel	Agriculture	Agronomy	1992
9	Shri B.B. Kaneria	Response of mustard (*Brassica juncea* L.) to weed management practices and nitrogen levels and their residual effect on succeeding summer green gram with and without nitrogen.	Dr. Z.G. Patel	Agriculture	Agronomy	1992
10	Shri S.H. Patel	Effect of moisture regimes and fertility levels on yield and quality of Lucerne (*Medicago sativa* L.) Var. Anand -2 grown under South Gujarat conditions	Dr. Z.G. Patel	Agriculture	Agronomy	1992
11	Shri V.V.Sonani	Production potential of cereal forages with and without cowpea as influenced by bacterial cultures and nitrogen levels.	Dr. P.G. Patel	Agriculture	Agronomy	1992

12	Shri J. R. Patel	Effect of post monsoon irrigation, biofertilizer and nitrogen levels on growth and yield of pigeon pea (*Cajanus cajan* L.) var. *BDN-2* in vertisol of South Gujarat	Dr. Z.G. Patel	Agriculture	Agronomy	1992
13	Shri G. C. Trivedi	Response of sugarcane (*Saccharum officinarum* L.) to varying levels of fertilizer under different weed management practices	Dr. Z.G. Patel	Agriculture	Agronomy	1993
14	Shri S. H. Hiremath	Studies on green manures for biomass production, N-Accumulation and substitution of fertilizer-N in summer rice (*Oryza sativa* L.)	Dr. Z.G. Patel	Agriculture	Agronomy	1993
15	Shri M. S. Gajera	Effect of varying irrigation schedules based on IW/CPE ratios, depths of ploughing and mulches on growth and yield of *Rabi* pigeon pea (*Cajanus cajan* L.)	Dr. R. P.S. Ahlawat	Agriculture	Agronomy	1994
16	Shri P.G. Patel	Response of safflower (*Carthamus tinctorius L.*) to irrigation scheduling based on IW/CPE ratios under surface and mini-sprinkler methods in vertisol of South Gujarat.	Dr. Z.G. Patel	Agriculture	Agronomy	1994
17	Shri H. M. Viradia	Effect of irrigation methods, irrigation scheduling and mulching on growth, yield and quality of G. Cot. Hy-6 under South Gujarat condition.	Dr. P.G. Patel	Agriculture	Agronomy	1995
18	Shri I.R .Rathod	Effect of land configuration on the growth and yield of gatton panic (*Panicum maximum jacq*) and soil properties of coastal salt- affected soils.	Dr. R.P.S. Ahlawat	Agriculture	Agronomy	1995
19	Shri B.M .Dabhi	Response of summer greengram (*Vigna radiata* L.*Wilczer*) to irrigation methods and varying moisture regimes under vertisol of South Gujarat.	Dr. J.C. Patel	Agriculture	Agronomy	1995
20	Shri D.A. Tank	Response of drip irrigated *rabi* cotton (*Gossypium hirsutum* L.) to varying schedules of irrigation and nitrogen levels under South Gujarat condition.	Dr. R.P.S. Ahalawat	Agriculture	Agronomy	1995

21	Shri Y.R. Jadhav	Response of wheat to irrigation, earth worm inoculation and nutrient sources under South Gujarat conditions	Dr. R.P.S. Ahalawat	Agriculture	Agronomy	1995
22	Shri E. Narayana	Productivity and quality of sunflower as influenced by phasic water and fertility management	Dr. J.C. Patel	Agriculture	Agronomy	1996
23	Shri V. C. Raj	Effect of irrigation and weed control methods on summer groundnut (*Arachis hypogaea* L.) under South Gujarat condition	Dr. Z.G. Patel	Agriculture	Agronomy	1997
24	Shri S. A. Chavan	Response of hot weather soybean (*Glycine max* L.) to levels of irrigation, fertilizer and mulch under South Gujarat conditions	Dr. Z.G. Patel	Agriculture	Agronomy	1997
25	Shri M. K. Arvadia	Effect of moisture stress and soil amendment on growth, yield and quality of summer groundnut (*Arachis hypogaea* L.) on vertisol of South Gujarat condition	Dr. Z.G. Patel	Agriculture	Agronomy	1997
26	Shri J. D. Thanki	Response of garlic to moisture regimes and herbigation through mini sprinkler in vertisoils	Dr. C.L. Patel	Agriculture	Agronomy	1998
27	Shri R. A. Dungrani	Effect of various biofertilizers on nitrogen substitution in *kharif* paddy *(Oryza sativa* L.*)*	Dr. R.P.S. Ahalawat	Agriculture	Agronomy	1999
28	Shri S. D. Patel	Efficient phosphorus management in summer groundnut (*Arachis hypogara* L.) in vertisol of South Gujarat.	Dr. Z.G. Patel	Agriculture	Agronomy	2000
29	Shri.N. D. Desai	Fertigation and planting geometry studies on tomato (*Lycopersicon ascufentum Mill*)	Dr. R.P.S. Ahalawat	Agriculture	Agronomy	2000
30	Shri.S. R. Patel	Effect of planting geometry, intercropping and weed management on sugarcane (*Saccharum hybrid*) Var. *Co.N 91132*	Dr. C.L. Patel	Agriculture	Agronomy	2000
31	Shri L.S. Chavan	Phosphorus management in summer greengram (*Vigna radiata* L.)and its residual effect on transplanted rice (*Oryza sativa*)	Dr. C.L. Patel	Agriculture	Agronomy	2000

32	Shri V.V. Goad	Production potential and economic feasibility of rice based cropping system under integrated nutrient management	Dr. M. P. Patel	Agriculture	Agronomy	2004
33	Shri. D.D. Patel	Effect of planting geometry and weed management on sugarcane (*Saccharum officinarum* L.) var. *Co.N 85134* (*Guj.Cane 2*)	Dr. C.L. Patel	Agriculture	Agronomy	2004
34	Shri M.S.Malik	Effect of N,P, Rhizobium and PSB on *Rabi* Gram (*Cicer arientinum* L.) and their residual effect on succeeding *kharif* rice (*Oryza sativa* L.)	Dr.P.G.Patel	Agriculture	Agronomy	2004
35	Shri. S. P. Kausale	Phosphorus management in summer groundnut and its residual effect on succeeding *kharif transplanted rice grown under two fertility levels*	Dr. C.L. Patel	Agriculture	Agronomy	2005
36	Shri. J. G. Patel	Effect of depth of tillage and land configuration on soil properties and yield of cotton var. *G.Cot. Hy.12* under south Gujarat conditions	Dr. P. N. Upadhyay	Agriculture	Agronomy	2008
37	Shri. R. M. Pankhaniya	Integrated nutrient management in summer soybean (*Glycine max.* L*. Merril*)*–Kharif* fodder sorghum (*Sorghum bicolor* L. Moench) sequence under south Gujarat conditions	Dr. P. N. Upadhyay	Agriculture	Agronomy	2008
38	Shri C. S. Kadam	Response of chickpea (*Cicer arietinum* L.) to irrigation methods, inorganic fertilizers and bio-fertilizer under south Gujarat condition	Dr.J. D. Thanki	Agriculture	Agronomy	2008
39	Shri. M. R. Gami	Response of onion (*Allium cepa Linn*.) to tillage depth and FYM in kyari land of paddy under south Gujarat conditions	Dr. M. K. Arvadia	Agriculture	Agronomy	2008
40	Shri. A. P. Patel	Studies on nutrient management in Lucerne (*medicago sativa* L.)-Paddy (*Oryza sativa* L.) sequential cropping	Dr. H. S. Damame	Agriculture	Agronomy	2008
41	Shri. D.R. Prajapati	Phosphorus management in green manure–sugarcane cropping sequence	Dr.C. L. Patel	Agriculture	Agronomy	2008

42	Shri S. K. Dhimmar	Performance of Castor *GCH-4* under varying cropping and planting patterns during *rabi* season.	Dr. V. C. Raj	Agriculture	Agronomy	2008
43	Shri V. M. Patel	Phosphorus management in *Kharif* rice – autumn sugarcane raise with or without intercrop of green gram var. *Co.4*	Dr. C. L. Patel	Agriculture	Agronomy	2008
44	Smt. Ambika Tandon	Phosphorus management in *Rabi* lucern (*Medicago sativa* L.) and its residual effect on succeeding *kharif* fodder sorghum (*Sorghum bicolor* L.) grown under two fertility levels.	Dr. C. L. Patel	Agriculture	Agronomy	2009
45	Shri A. S. Dalvi	Phosphorus management in summer cowpea (*Vigna unguiculata* L. Walp) and its residual effect on *Kharif* transplanted rice(*Oryza sativa* L.) grown under different fertility levels	Dr. C. L. Patel	Agriculture	Agronomy	2010
46	Shri L.K.Arvadia	Response of sweet corn (*Zea mays* L.) to plant population and and weed management and its residual effect on succeeding green gram under south Gujarat conditions	Dr. V. C. Raj	Agriculture	Agronomy	2011
47	Shri T.U.Patel	Interactive effect of weed management and fertilizer levels on onion (*Allium cepa* L.) bulb crop under south Gujarat condition	Dr. C.L. Patel	Agriculture	Agronomy	2011
48	Shri R.B.Ardeshna	Effect of land configuration and soil conditioners on growth and yield of turmeric (*Curcuma longa* L.)	Dr. M. K. Arvadia	Agriculture	Agronomy	2011
49	Shri R.L.Leva	Response of turmeric (*Curcuma longa* L.) varying levels of raised bed size and N-K fertigation through drip under vertisols	Dr.J. D. Thanki	Agriculture	Agronomy	2011
50	Shri H.F. Patel	Effect of intra row spacing and weed management in Cotton (*Gossypium hirsutam* L.) and their residual effect on succeeding summer Green Gram under south Gujarat	Dr. V.C. Raj	Agriculture	Agronomy	2012

		conditions				
51	Miss V. H. Surve	Phosphorus management in *rabi* niger and its residual effect on succeeding summer fodder sorghum growth under two fertility levels	Dr. C.L. Patel	Agriculture	Agronomy	2013
52	Mr. H.H. Patel	Influence of planting techniques and irrigation levels on the performance of chickpea (*Cicer arietinum* L.)	Dr. J. D. Thanki	Agriculture	Agronomy	2013
53.	Mr. R. R. Pisal	Response of drip irrigated *rabi* castor to intra row spacing under varying N levels	Dr. M.K.Arvadia	Agriculture	Agronomy	2013
54.	Miss D. S. Patel	Plant geometry in relation to mechanization in sugarcane (*Saccharum officinarum*)	Dr. V. C. Raj	Agriculture	Agronomy	2014
55.	Mr. V. D. Maheriya	Response of summer soybean (Glycine max) to integrated nutrient management and its residual effect on succeeding paddy (Oryza sativa) grown with and without crop residue incorporation under two fertility levels	Dr. M. K. Arvadiya	Agriculture	Agronomy	2014
56	Mr. S. B. Gangwane	Feasibility of wider spaced *rabi* castor with intercropping vegetables under south Gujarat condition	Dr. M. K. Arvadiya	Agriculture	Agronomy	2014
57	Mr. S. R. Imade	Effect of integrated nutrient management in rice-green gram cropping sequence under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2015
58.	Mr. S. K. Phajge	Response of summer black gram (*Phaseolus mungo* L.) to dates of sowing and weed management and their residual effect on succeeding *kharif* fodder sorghum (*Sorghum bicolor* L.) under south Gujarat conditions	Dr. V. C. Raj	Agriculture	Agronomy	2015
59.	Mr. Chavan A.S.	Effect of plant population and weed management on *rabi* pigeonpea Cv. GT-102 and their residual effect on succeeding summer green gram Cv. maha under south Gujarat condition	Dr. V. C. Raj	Agriculture	Agronomy	2015

60.	Mr. B. K. Patel	Effect of land configuration and integrated nutrient management on productivity of different varieties of sorghum (*rabi*) grown on fluventic ustochrepts	Dr. M. K. Arvadia	Agriculture	Agronomy	2015
61.	Mr. Deshmukh Swapnil P.	Integrated weed management in *rabi* sorghum (Sorghum bicolor L.) and their residual effect on succeeding summer greengram (Vigna radiata L.) under south Gujarat condition.	Dr. V. P. Usdadia	Agriculture	Agronomy	2015
62	Mjr. Mansuri Ramiz	Effect of integrated nutrient management in rice-chickpea cropping sequence under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2016
63.	Mr. Sindhi Sahil J.	Effect of integrated nutrient management in maize-greengram cropping sequence under south Gujarat condition	Dr. J. D. Thanki	Agriculture	Agronomy	2016
64.	Mr. Chaudhary Jivrajbhai H.	Phosphorus management in chickpea and its residual effect on fodder sorghum with various fertility levels	Dr. D. D. Patel	Agriculture	Agronomy	2016
65.	Dekhane Swapnil S.	Effect of N and P_2O_5 levels on yield of paddy var. GNR-3 under varying spacing and seed rate during *kharif*	Dr. M. K. Arvadia	Agriculture	Agronomy	2017
66	Vikas Vishnu	Effect of land configuration and bio organic on chickpea under coastal salt affected soils	Dr. V. P. Usadadia	Agriculture	Agronomy	2017
67	Patil Jagadish B.	Integrated nitrogen management in sorghum-green gram cropping sequence under south Gujarat condition	Dr. M. K. Arvadia	Agriculture	Agronomy	2018
68	Sankat Kanubhai B.	Feasibility of high density planting system and its fertilizer requirement in cotton grown under vertisols of south Gujarat	Dr.J. G. Patel	Agriculture	Agronomy	2018
69	Anil Kumar Mawalia	Enhancing productivity of sugarcane by optimizing subsoiling and preparatory tillage operations under south Gujarat condition	Dr.J. G. Patel	Agriculture	Agronomy	2018

70	Patel Jagdish V.	Effect of intetrated nutrient management in finger millet-green gram croppins sequence under hilly area of south Gujarat	Dr. J. D. Thanki	Agriculture	Agronomy	2018

Overview of post graduate students passed from Agronomy

Sr. No.	Period	No. of P.G. students awarded degree		
		M.Sc.(Agri.)	Ph.D.	Total
1.	1970 to 1975	11	0	11
2.	1976 to 1980	10	0	10
3.	1981 to 1985	17	3	20
4.	1986 to 1990	44	3	47
5.	1991 to 1995	26	15	41
6.	1996 to 2000	18	10	28
7.	2001 to 2005	27	4	31
8.	2006 to 2010	44	10	54
9.	2011	9	4	13
10.	2012	12	1	13
11.	2013	14	3	17
12.	2014	18	3	21
13	2015	2	3	5
14	2016	13	3	16
15	2017	22	2	24
	TOTAL	287	64	351

7. Photo gallery

Practical Crop Production: Photo Gallery of PCP season July 2017












8. Contact Us

Sr. No.	Name	Residential Address	Telephone No.
1.	Dr.J. D. Thanki Professor and Head	17- A, Uttam Vihar Society, Kabilpore, Navsari	O. 02637-282771-75 PBX.1207 Mo.094280 64036,9099970236 R. 02637-238513