

ACADEMIC ACTIVITY

College of Agriculture:

Courses Offered for Undergraduate Programme according to Vth Dean's Committee

| Sr. No. | Semester | Course No. | Title of course | Credit hrs |
|--------------|--------------------|--------------|-------------------------------------------------------|------------|
| 1. | I st | Agron.1.1 | Agricultural Heritage | 1+0 |
| 2. | I st | Ag. Met. 1.1 | Introductory Agro meteorology & Climate Change | 1+1 |
| 3. | II nd | Agron.2.2 | Fundamentals of Agronomy | 3+1 |
| 4. | III rd | Agron.3.3 | Crop Production Technology-I (Kharif Crops) | 1+1 |
| 5. | IV th | Agron.4.4 | Crop Production Technology-II (Rabi Crops) | 1+1 |
| 6. | IV th | Agron. 4.5 | Weed Management | 2+1 |
| 7. | V th | Agron.5.6 | Farming System and Sustainable Agriculture | 1+0 |
| 8. | V th | Agron. 5.7 | Geo-informatics and Precision Farming | 1+1 |
| 9. | V th | Agron. 5.8 | Practical Crop Production-I (Kharif Crops) | 0+1 |
| 10. | VI th | Agron. 6.9 | Principles of Organic Farming | 1+1 |
| 11. | VI th | Agron. 6.10 | Rainfed Agriculture and Watershed Management | 1+1 |
| 12. | VI th | Agron. 6.11 | Practical Crop Production-II (Rabi Crops) | 0+1 |
| 13. | VII th | Agron.7.10 | Rural Agricultural Work Experience (RAWE) | 0+2 |
| 14. | VIII th | ELP.8.3 | Agricultural Waste Management through Vermicompost | 0+10 |
| Total | | | | 35 |

Practical Manual Prepared for Undergraduate Students:

| Sr. No. | Semester | Course No. | Title of course |
|---------|--------------------|--------------|----------------------------------------------------|
| 1. | I st | Ag. Met. 1.1 | Introductory Agro meteorology & Climate Change |
| 2. | II nd | Agron.2.2 | Fundamentals of Agronomy |
| 3. | III rd | Agron.3.3 | Crop Production Technology-I (Kharif Crops) |
| 4. | IV th | Agron.4.4 | Crop Production Technology-II (Rabi Crops) |
| 5. | IV th | Agron. 4.5 | Weed Management |
| 6. | V th | Agron. 5.7 | Geo-informatics and Precision Farming |
| 7. | VI th | Agron. 6.9 | Principles of Organic Farming |
| 8. | VI th | Agron. 6.10 | Rainfed Agriculture and Watershed Management |
| 9. | VIII th | ELP.8.3 | Agricultural Waste Management through Vermicompost |

Polytechnic in Agriculture: Courses offered:

| Sr. No. | Semester | Course No. | Title of course | Credit hrs |
|---------|-------------------|-------------------|-----------------------------------------------------|------------|
| 1 | I st | Agron. 1.1 | Agricultural Heritage | 1+0 |
| 2 | I st | Agron. 1.2 | Fundamentals of Agronomy | 3+1 |
| 3 | II nd | Agron. 2.3 | Farming Systems and Farm Management | 1+1 |
| 4 | III rd | Agron. 3.4 | Crop Production Technology-I (<i>Kharif</i> Crops) | 2+1 |
| 5 | III rd | Agron. 3.5 | Practical Crop Production-I (<i>Kharif</i> Crops) | 0+1 |
| 6 | IV th | Agron. 4.6 | Crop Production Technology-II (<i>Rabi</i> Crops) | 2+1 |
| 7 | IV th | Agron. 4.7 | Practical Crop Production-II (<i>Rabi</i> Crops) | 0+1 |
| 8 | V th | Agron. 5.8 | Principles of Weed Management | 1+1 |
| 9 | V th | Agron. 5.9 | Principles of Water Management | 2+1 |
| 10 | VI th | Agron. 6.10 | Principles of Organic Farming | 1+1 |
| 11 | VI th | Agron. 6.11 | Vermicompost | 0+2 |
| | | | Total | 24 |

RESEARCH ACTIVITY:

| Sr.No. | Title of research scheme/project | Approving authority | Year of approval | Status |
|--------|----------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-----------|
| 1 | Effect of Zinc on growth and yield of Finger millet | NAU (AGRESCO) | 2016 | Completed |
| 2 | Effect of different organics on finger millet (Nagli) | NAU (AGRESCO) | 2016 | Completed |
| 3 | TSP on Castor under AICRP-Castor | ICAR-IIOR, Hyderabad | 2016 | Completed |
| 4 | Effect of different systems of nutrient management in nagli | NAU (AGRESCO) | 2017 | Completed |
| 5 | Other agency project (GSFC) | GSFC, Vadodara | 2018 | Completed |
| 6 | Response of little millet (Vari) to organics | NAU (AGRESCO) | 2018 | Completed |
| 7 | Effect of age of seedling and nutrient management in ragi. | NAU (AGRESCO) | 2018 | Completed |
| 8 | Agricultural waste management through vermicompost (ELU) | ICAR | 2018 | Ongoing |
| 9 | Agricultural waste management through vermicompost (TSP) | ICAR | 2018 | Ongoing |
| 10 | Response of pre released finger millet varieties to different levels of fertilizer under rainfed condition. | AICRP | 2020 | Ongoing |
| 11 | Nano fertilizer use in Little millet | AICRP | 2020 | Ongoing |
| 12 | Effect of foliar application of water soluble fertilizer (WSF) on growth, yield and nutrient uptake of small millets | AICRP | 2020 | Ongoing |
| 13 | Effect of mulching and hydrogel on the productivity of Finger millet under rainfed conditions | AICRP | 2020 | Ongoing |
| 14 | Chemical weed control studies in Small millets | AICRP | 2020 | Ongoing |
| 15 | Response of Barnyard millet to organics and their residual effect in rabi green gram | NAU (AGRESCO) | 2021 | Ongoing |
| 16 | Response of paddy to foliar spray of organic liquid under hilly region of south Gujarat | NAU (AGRESCO) | 2021 | Ongoing |

EXTENSION ACTIVITY:

- Attended and delivered lectures to the farmers on different aspects in Agronomy crops in Krushi Mahotsav.
- Attended and delivered lectures to the farmers on different aspects in Agronomy crops in trainings organized by state Agricultural department, The Dangs, Gujarat.
- Attended and delivered lectures to the farmers on different aspects in Agronomy crops in in trainings organized by Krishi Vigyan Kendra, NAU, Waghai.
- Conducted training programmes at college campus and delivered lectures to the farmers under the project Tribal Sub Plan approved by ICAR.

ACTIVITY UNDER TSP



Farmers welcome by Principal of CoA, Waghai



Participants attending the training programme



Lectures to Trainees about Crops of Dang



Lectures to Trainees about Vermicomposting



Lectures to Trainees about Organic Farming



Lectures to Trainees about Vermicomposting in Horticultural Crops

“Agricultural waste management through vermicompost under” ICAR (ELU) –Photographs



Entrepreneurs interaction with students



Lecture on Role of NABARD in Agril. Entrepreneurship Development



Training on Entrepreneurship and Personality development under ELU (ICAR)



Entrepreneurship Development in Bee Keeping



Lecture delivered by Dr. Patadia on Personality Development

ACTIVITY UNDER ELP





Various Activities under Course ELP 8.3 by the Students
