**Proforma of information to be collected for the University departments/ADR/ Research satation/ for uploading on University website**

1. **Name of the Department/Section :** Department of Agronomy, College of Agriculture, Dapoli, Dist. Ratnagiri (M.S.), India.

2. **About Department** (About Department HISTORICAL PERSPECTIVE OF THE DEPARTMENT )

3. **Academic** Programmers: Provide the details of each doctoral programme as
   a. **Doctoral Programmes**

**Name of the programme:**

| Semester No. | Term No. | Course No. | Credits | Title of the course offered by the department |
|---|---|---|---|---|
| I | I | Agron 601* | 3+0=3 | Current trends in Agronomy 3+0 = 3 |
| I | I | Agron 604 | 2+0=2 | Recent trends in weed management 2+0 = 2 |
| II | II | Agron 603 | 2+1=3 | Irrigation management 2+1 = 3 |
| II | II | Agron 605 | 2+0=2 | Integrated farming systems for sustainable Agriculture 2+0 = 2 |
| II | II | Agron 607 | 2+1=3 | Stress Crop Production (Supporting) 2+1 = 3 |
| III | I | Agron 608* | 2+0=2 | Research and Publication ethics 2+0 = 2 |
| III | I | Agron 602 | 2+1=3 | Recent trends in crop growth and productivity (Supporting) 2+1 = 3 |
| III | I | Agron 691 | 1+0=1 | Doctoral Seminar 1+0 = 1 |
| IV | II | Agron 692 | 1+0=1 | Doctoral Seminar 1+0 = 1 |
| | | **Total** | **17+3 = 20** | |
| | | | 0+75 = 75 | Doctoral Research |

***Compulsory Courses**

**Course Curricula and syllabi:**

b. **Masters Programmes**

**Name of the programme:**

| Semester No. | Term No. | Course No. | Credits | Title of the course offered by the department |
|---|---|---|---|---|
| I | I | AGRON 501* | 3+0 = 3 | Modern Concepts in Crop Production |
| I | I | AGRON 503* | 2+1=3 | Principles and Practices of Weed Management |
| I | I | AGRON 513 | 2+1=3 | Principles and practices of organic farming |
| II | II | AGRON 502* | 2+1 = 3 | Principles and practices of soil fertility and nutrient management |
| II | II | AGRON 504* | 2+1 = 3 | Principles and Practices of Water Management |
| II | II | AGRON 505 | 1+1=2 | Conservation Agriculture |
| III | I | AGRON 511 | 2+0=2 | Cropping System and Sustainable Agriculture |
| III | I | AGRON 512 | 2+1 = 3 | Dryland Farming and Watershed Management |
| IV | II | AGRON 591 | 1+0 = 1 | Master's Seminar |
| | **Total** | | **17+6=23** | |
| | | AGRON 599 | 0+30 = 30 | Master's Research |

***Compulsory Courses**

**Course Curricula and syllabi:**

c. **Bachelor Programme**

| Semester No. | Term No. | Course No. | Credits | Title of the course offered by the department |
|---|---|---|---|---|
| I | I | AGRO 111 | 2 (1+1) | Fundamentals of Agronomy-I |
| I | I | AGRO 112 | 2 (1+1) | Introductory Agro-meteorology and Climate change |
| II | II | AGRO 123 | 2 (1+1) | Fundamentals of Agronomy-II |
| III | I | AGRO 234 | 2 (1+1) | Crop Production Technology-I (*Kharif* crops) |
| III | I | AGRO 235 | 2 (1+1) | Rainfed Agriculture and Watershed Management |
| IV | II | AGRO 246 | 2 (1+1) | Crop Production Technology-II (*Rabi* crops) |
| IV | II | AGRO 247 | 1 (1+0) | Farming System and Sustainable Agriculture |
| IV | II | AGRO 248 | 2 (1+1) | Principles of Organic Farming |
| V | I | AGRO 359 | 1 (0+1) | Practical Crop Production-I (*Kharif* crops) |
| V | I | ELE AGRO 3510 | 3 (2+1) | Weed Management |
| VI | II | AGRO 3611 | 1 (0+1) | Practical Crop Production-II (*Rabi* crops) |
| VI | II | AGRO 3612 | 2 (1+1) | Geo-informatics and Nanotechnology and Precision Farming |
| VI | II | ELE-AGM-361 | 3(2+1) | System Stimulation and Agro-advisory |
| VII | I | ELM AGRO 4713 | 10 (0+10) | Rural Work Experience Programme |
| VIII | II | ELM AGRO 4814 | 10 (0+10) | Organic Farming Production Technology |
| VIII | II | ELM AGRO 4815 | 10 (0+10) | Commercial production of organic inputs (Proposed) |

**Course Curricula and syllabi of each subject:**

**4. Infrastructure**

a. **Laboratories**

b. **Name of the important instruments/facilities**:

- **Departmental Instructional Farm : 29.57 ha**
- **Agrometeorological observatory**
- **UG practical class room : 4**
- **PG & Ph.D. Class room : 2**
- **Interactive boards : 2**

| Sl. No. | Name of PG Laboratory | Size | Seating capacity | Equipment housed in the laboratory |
|---|---|---|---|---|
| 1. | Departmental laboratory | | | |
| | UG lab | 8.50 m x 7.10 m = 60.35 $m^2$ | 35 | • pH meter, EC meter, Flame Photometer and different instruments as per practical syllabus.<br>• Maintained |

| | | | | |
|---|---|---|---|---|
| | | | | agronomic museum.<br>• Computer software for crop modeling |
| | PG lab | 10.2 m x 5.0 m = 51 $m^2$ | 15 | <u>Chemical analysis of Soil and Plant samples</u><br>• pH meter, EC meter, Digestion unit, Spectrophotometer, Flame Photometer, Distillation unit (2 nos.), Leaf area meter (Computer software), precision weighing balance, Atomic Absorption Unit, sand bath (2 nos.), hot air oven etc.<br>• Facility of statistical and crop modelling software for research data, crop data and weather data analysis.<br>• Wi-Fi facility for faculty and students. |

a. **Photographs:** Photographs of the important instruments preferably with students using theses instruments/equipments or being demonstrated.

## : PHOTOGRAPHS :

## : AGROMETEOROLOGICAL OBSERVATORY :

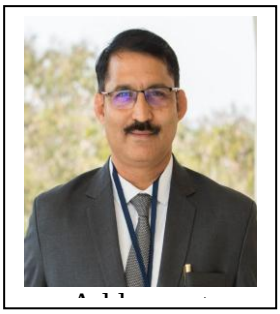
## : EDUCATIONAL MUSEUM :

**PVC pipes, Fittings, Accessories, Tools for Micro irrigation**

**Weed and Seed sample displayer in Agronomy Museum**

5. **Faculty**
   a. **Academic staff:** Assistant Professor and above with the details of the staff as given below

## FACULTY PROFILE (AGRONOMY)



| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Prashant S. Bodake |
| | **Post held** | : | Head |
| | **Mobile No.** | : | 9420413255 |
| | **Date of Birth** | : | 10/07/1970 |
| | **Email ID** | : | hodagrodapoli@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agri.) |
| | **Area of Specialization** | : | Precision Agriculture |
| | **Experience (Years)** | : | 27 |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>3<br>10 |
| | **Present area of Research** | : | Precision Agriculture and Organic Farming |
| | **Involvement in various research project** | : | • **ICAR – IWMI – MPKV As a Co-PI "**Enhancing economic water productivity in irrigation canal commands"(International collaborations with Srilanka) (Rs. 15 lakhs)<br>• **ICAR-World Bank under National Agricultural Higher Education project**: Co-PI and Member Centre for Advanced Agriculture Science and Technology (CAAST), MPKV. (Rs. 2000 Lakhs)<br>• **MPKV- Sirius Mineral Ltd, United Kingdom (U.K) As a PI** " Estimation of potassium requirement along with the secondary nutrients with Polyhalite Multi nutrient fertilizer POLY4 for sugarcane and cotton crop under pressurized irrigation in vertisols." ( USD $ 60000)<br>• Nodal Officer to WARNA canal commands Under PMKSY in Collaboration with State Department of Agriculture, Gov.of |

| | | | |
|---|---|---|---|
| | | | Maharashtra and MPKV (12.00 lakhs)<br>• Presently Establishment of Organic Farming Research and Training Center (OFRTC) **As a PI (Rs.500 Lakhs)** |
| | **Patents** | | • A patent on **"Phule PVC Paddy transplanting Marker "** is published in the office Journal of the patent office issue no. 19/2019 Publication Date 10/05/2019 on page no 19418 |
| | **International Trainings** | | • International Post Graduate Diploma in "**Crop Weather Modelling"** , RMTC, WMO, Bet Degan, Israel during 1st March to 5th April,1998 Under MASHAV Scholarship.<br>• Ministry Of HRD (GoI) scholarship under NMTT for International training on **"Leadership for Academic Programmes "at INDIA and USA January 2020.** |
| | **Awards** | **:** | ▪ Awarded with "Vasantrao Naik Agricultural Scientist Award – 2011" of V. N. Naik Smruti foundation , Pusad, Yawatmal<br>▪ Awarded with "Recognition Award – 2011" of DWSR, Jabalpur for confirmation of Invasive weed (*Solanum carolinenese,*) under survillence of Invasive weed project as PI<br>▪ ISA Best poster presentation award at National Symposium of ISA at PAU, Ludhiana Nov, 2014.<br>▪ Best Poster award in International Rice Symposium at Hyderabad ,Nov,2015<br>▪ Best article award of Indian Society of Agronomy at 4th International Agronomy Congress, New Delhi, Nov,2017<br>▪ Awarded with Distinguished |

| | | | |
|---|---|---|---|
| | | | Scientist Award in 2nd International Conference on Food and Agriculture 2018, during 29-30th March, 2018.<br>▪ Agrocare, Nasik and Agrotouch, Pune given award of Late V.N.Naik Krishi Prerana Award 2019. |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Shivaram Balu Bhagat |
| | **Post held** | : | Chief Agronomist |
| | **Mobile No.** | : | 8879247408 |
| | **Date of Birth** | : | 02-07-1964 |
| | **Email ID** | : | sbbhagat1791@gmail.com |
| | **Educational qualification** | : | Ph. D. (Agri.) |
| | **Area of Specialization** | : | 1. Integrated Farming Systems,<br>2. Organic Farming<br>3. Cropping Systems |
| | **Experience (Years)** | : | 32 yrs |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>--<br>4 |
| | **Present area of Research** | : | 1. Integrated Farming Systems<br>2. Organic Farming |
| | **Involvement in various research project** | : | 1. AICRP on Integrated Farming Systems<br>2. All India Network Programme on Organic Farming |
| | **Awards** | : | Nil |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr. M.J. Mane |
| **Post held** | : | Associate Professor |
| **Mobile No.** | : | 9049582377 |
| **Date of Birth** | : | 01/06/1963 |
| **Email ID** | : | mjmane63@gmail.com |
| **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agri.) |
| **Area of Specialization** | : | Agronomy |
| **Experience (Years)** | : | 28 years |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-------<br>2 |
| **Present area of Research** | : | Crop Husbandry |
| **Involvement in various research project** | : | ------ |
| **Awards** | : | • Best Research Paper Award, 2012 |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr. Ashokkumar P. Chavan |
| **Post held** | : | Associate Professor & Officer In-charge,<br>L.R.S., Nileli |
| **Mobile No.** | : | 9422373396 |
| **Date of Birth** | : | 20/09/1970 |
| **Email ID** | : | Apchavan20.gmail.com |
| **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agri.) |
| **Area of Specialization** | : | Agronomy |
| **Experience (Years)** | : | 26 |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>--<br>03 |
| **Present area of Research** | : | Cropping system,<br>Organic Farmining |
| **Involvement in various research project** | : | -- |
| **Awards** | : | -- |

# FACULTY PROFILE (AGRONOMY)

Add resent

| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr. Vijay G. More |
| **Post held** | : | Agrometeorologist |
| **Mobile No.** | : | 9422374001 |
| **Date of Birth** | : | 10/06/1966 |
| **Email ID** | : | morevijay1966@gmail.com |
| **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agri.) |
| **Area of Specialization** | : | Agrometeorology & Water Management |
| **Experience (Years)** | : | 28 years |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-------<br>3 |
| **Present area of Research** | : | Agrometeorology |
| **Involvement in various research project** | : | • Gramin Krishi Mausam Seva<br>• Forecasting of Agricultural Output using Space Agrometeorolgy and Land based observation (FASAL)<br>• National Innovation Project on Climate Change (NICRA)<br>• In-Charge : Irrigation Research Scheme<br>• In-Charge : Sugarcane Research Scheme |
| **Awards** | : | ------ |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Shamrao Babu Gangawane |
| | **Post held** | : | Associate Professor |
| | **Mobile No.** | : | 9545468469 |
| | **Date of Birth** | : | 01/01/1962 |
| | **Email ID** | : | sbgangawane@gmail.com |
| | **Educational qualification** | : | Ph. D. (Agri.) |
| | **Area of Specialization** | : | Irrigation and weed management |
| | **Experience (Years)** | : | 30 yeras |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>--<br>3 |
| | **Present area of Research** | : | 1. Integrated Farming Systems<br>2. Organic Farming |
| | **Involvement in various research project** | : | • Rice breeding and evaluation<br>• Insect pest management in various cops<br>• Crop improvement in vegetables and fruits crops |
| | **Awards** | : | --- |

# FACULTY PROFILE (AGRONOMY)

Add resent

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. TUSHAR NARAYAN THORAT |
| | **Post held** | : | Associate Professor |
| | **Mobile No.** | : | 9403846076/8806412827 |
| | **Date of Birth** | : | 01/06/1975 |
| | **Email ID** | : | tnt161975@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agronomy) |
| | **Area of Specialization** | : | Irrigation and Nutrient Management |
| | **Experience (Years)** | : | More than 19 years |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | 00<br>Major Advisor- 02<br>Advisory member-06 |
| | **Present area of Research** | : | Nutrient and Irrigation Water Management,<br>Weed Management |
| | **Involvement in various research project** | : | 1. AICRP on Sub Tropical Fruits<br>2. AICRP on Irrigation Water Management |
| | **Awards** | : | ➢ Received **best poster presentation award** in State level Seminar on, 'Breaking yield barriers in major field crops' organized by Akola chapter of Indian Society of Weed Science during 6-7 January, 2012.<br>➢ Received **best poster presentation award** in Biennial Conference on, 'Emerging challenges in weed management' during 15-17 February, 2014 at Directorate of Weed Science Research, Jabalpur (M.P.)<br>➢ Received **best poster presentation award** in International Mango Conference organized by ISASaT and Dr. BSKKV Dapoli at RFRS, Vengurle during May 8-11, 2018 |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Vijay Vasant Sagvekar |
| | **Post held** | : | Associate Professor |
| | **Mobile No.** | : | 9423303232 |
| | **Date of Birth** | : | 31/07/1967 |
| | **Email ID** | : | vvsagvekar.2011@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agri.) |
| | **Area of Specialization** | : | Agronomy |
| | **Experience (Years)** | : | 15 years |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-------<br>2 |
| | **Present area of Research** | : | Cropping system, Irrigation and Water Management, Farming system |
| | **Involvement in various research project** | : | • AICRP on groundnut |
| | **Awards** | : | • '**Dr. Vasantaro Khuspe Gold Medal Award'** stood first in the subject of Agronomy in Ph. D. (Agri.) during the academic year 2016-17.<br>• **'Best Poster Paper'** Award in National seminar on, "Recent Trends in Plant Sciences and Agricultural Research" organised by Zonal Agricultural Research Station, Solapur in collaboration with D.B.F. Dayanand College of Arts and Science, Solapur and Contemporary Research in India at Solapur<br>• **'Best Research Paper'** Award. Competition among the research papers published in Volume XIX (Year 2000) of the Maharashtra Journal of Extension Education.<br>• **'SINDHU MAHOTSAV MEMENTO'**- Member of a Exhibition Arrangement Committee of Agricultural Research Station, Mulde at *Kankawali,* Dist. Sindhudurg and got certificate and memento.<br>• Awarded **I.C.A.R. Scholarship** (New Delhi) during B. Sc. (Agri.) from 1985 to 1989<br>• Awarded **ASPEE Fellowship** (Mumbai) during M. Sc. (Agri.) from 1989 to 1991. |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | AGRONOMY |
| | **Post held** | : | Associate Professor |
| | **Mobile No.** | : | 9420959193 |
| | **Date of Birth** | : | 29/12/1977 |
| | **Email ID** | : | deepakborse124@gmail.com |
| | **Educational qualification** | : | Ph.D. |
| | **Area of Specialization** | : | Management practices in coastal saline soil |
| | **Experience (Years)** | : | 12 |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-<br>01 |
| | **Present area of Research** | : | Integrated farming system and crop diversification in coastal salt affected area |
| | **Involvement in various research project** | : | RKVY |
| | **Awards** | : | - |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr Amol Vinayakrao Dahiphale |
| **Post held** | : | Associate Professor |
| **Mobile No.** | : | 09762787548 |
| **Date of Birth** | : | 22/05/1978 |
| **Email ID** | : | amol2d@gmail.com<br>avdahiphale@dbskkv,ac,in |
| **Educational qualification** | : | M.Sc. Ph.D. (BHU) |
| **Area of Specialization** | : | Conservation Agriculture,<br>Farming system,<br>Cropping system.<br>Grasses and fodder crops |
| **Experience (Years)** | : | 18 |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | 4 P G Student |
| **Present area of Research** | : | **Farming system** |
| **Involvement in various research project** | : | AICRP-IFS,<br>AICRP-RICE,<br>BARC project<br>VIS-Project |
| **Awards** | : | Nil |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Chandrakant Sitaram Kadam |
| | **Post held** | : | Assistant Professor (Agronomy) |
| | **Mobile No.** | : | 9730255510 |
| | **Date of Birth** | : | 01-06-1963 |
| | **Email ID** | : | cskadam50@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri), Ph. D. (Agri) |
| | **Area of Specialization** | : | Agronomy |
| | **Experience (Years)** | : | 31 Years |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>Nil<br>Three (3) |
| | **Present area of Research** | : | Crop Husbandry |
| | **Involvement in various research project** | : | Hybrid Seed Production in Rice |
| | **Awards** | : | *Nil* |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | **Dr. M.S. Jadhav** |
| **Post held** | : | **Assistant Professor (Agronomy)** |
| **Mobile No.** | : | **9423877296** |
| **Date of Birth** | : | **15th August, 1962** |
| **Email ID** | : | **msjadhav62@gmail.com** |
| **Educational qualification** | : | **Ph.D.(Agri.)** |
| **Area of Specialization** | : | **Agronomy** |
| **Experience (Years)** | : | **12 years** |
| **Students Guided** | | |
| **Ph.D. (Ag.)** | | -- |
| **M.Sc. (Ag.)** | : | **2** |
| **Present area of Research** | : | **Agronomy and water management** |
| **Involvement in various research project** | : | -- |
| **Awards** | : | -- |

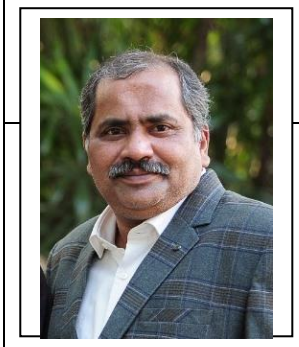
# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Dr. Vijaykumar Namdev Shetye |
| | **Post held** | : | Assistant Professor of Agronomy |
| | **Mobile No.** | : | 9421343562 |
| | **Date of Birth** | : | 01.06.1968 |
| | **Email ID** | : | vijayshetye@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri.), Ph.D. (Agronomy) |
| | **Area of Specialization** | : | Crop husbandry |
| | **Experience (Years)** | : | 24 years |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | M.Sc. (Ag.) :- 2 |
| | **Present area of Research** | : | Rice-Sweet corn- Green gram cropping system grown under polythene mulch. |
| | **Involvement in various research project** | : | 1. Adaptive Agricultural Research Project, Khandape, Tal. Murbad, Dist. Thane.<br>2. Setting Up "Food Security Army For Mechanized Farming In Rice" under Chanda to Banda Project in Sindhudurg district. |
| | **Awards** | : | 1. Awarded the Hexama Foundation Silver Medal Plated with gold for securing the highest CGPA in the Agronomy Discipline.<br>2. Awarded the "Adarsh Vidyarthi" certificate at 12$^{th}$ standard.<br>3. Received first prize for Elocution at 12$^{th}$ standard. |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | Prof. Vaibhav A. Rajemahadik |
| | **Post held** | : | Assistant Professor |
| | **Mobile No.** | : | 9420673267 |
| | **Date of Birth** | : | 27/09/1978 |
| | **Email ID** | : | rajedbskkv@gmail.com |
| | **Educational qualification** | : | M.Sc. (Agri.) |
| | **Area of Specialization** | : | Agronomy |
| | **Experience (Years)** | : | 17 Years |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-------<br>5 |
| | **Present area of Research** | : | Crop Husbandry, Organic farming, Irrigation and Water Management |
| | **Involvement in various research project** | : | • Establishment of Organic Farming Research and Training Centre (OFRTC)<br>• Gramin Krishi Mausam Seva (GKMS)<br>• Forecasting of Agricultural Output using Space Agrometeorolgy and Land based observation (FASAL) |
| | **Awards** | : | • Best project compilation Award by CRIDA, Hyderabad |

# FACULTY PROFILE (AGRONOMY)



| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr. Viresh Govind Chavan |
| **Post held** | : | Assistant Professor |
| **Mobile No.** | : | 9422065344 |
| **Date of Birth** | : | 01/10/1972 |
| **Email ID** | : | cviresh2@gmail.com |
| **Educational qualification** | : | M.Sc. (Agri.), NET & Ph.D. (Agri.) |
| **Area of Specialization** | : | Agrometeorology and Crop husbandry |
| **Experience (Years)** | : | 20 years |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-------<br>3 |
| **Present area of Research** | : | Agrometeorology |
| **Involvement in various research project** | : | • Gramin Krishi Mausam Seva (GKMS)<br>• Forecasting of Agricultural Output using Space Agrometeorolgy and Land based observation (FASAL)<br>• National Innovation Project on Climate Change (NICRA) |
| **Awards** | : | • Awarded by **Mumbai Varuttapatra Lekhak Sangh, Mumbai** with **"RAIGAD RATNA 2013"** for dissemination of Agro-advisory Bulletin at Raigad District during the year 2012-13.<br>• Awarded by **Mumbai Varuttapatra Lekhak Sangh, Mumbai** with **"RATNAGIRI BHUSHAN"** for Education during the year 2013-14.<br>• **FIRST PRIZE** for Poster Presentation under them of **Climate Change – Physiology and Reproductive Biology (CC)** held during **International Mango Conference, 2018** by ISASaT & DBSKKV, at R.F.R.S., Vengurle |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | Dr. Namdev Vitthal Mhaskar |
| **Post held** | : | Jr. Scientist (Agronomy) |
| **Mobile No.** | : | 9730837666 |
| **Date of Birth** | : | 07-06-1972 |
| **Email ID** | : | namdev_mhaskar@rediffmail.com |
| **Educational qualification** | : | Ph. D. (Agri.) |
| **Area of Specialization** | : | 1. Integrated Farming Systems,<br>2. Organic Farming,<br>3. Integrated Nutrient Management,<br>4. Tuber Crops |
| **Experience (Years)** | : | 24 yrs |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>--<br>2 |
| **Present area of Research** | : | 1. Integrated Farming Systems<br>2. Organic Farming |
| **Involvement in various research project** | : | 1. AICRP on Integrated Farming Systems<br>2. All India Network Programme on Organic Farming |
| **Awards** | : | 5 |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | : | AGRONOMY |
| | **Post held** | : | Junior Agro-meteorologist |
| | **Mobile No.** | : | 9404972892 |
| | **Date of Birth** | : | 20/12/1972 |
| | **Email ID** | : | pinjari94222@gmail.com |
| | **Educational qualification** | : | Ph.D. |
| | **Area of Specialization** | : | Weed Management and INM |
| | **Experience (Years)** | : | 5 years 6 months |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>-<br>01 |
| | **Present area of Research** | : | Weed Management |
| | **Involvement in various research project** | : | All research station trials |
| | **Awards** | : | - |

# FACULTY PROFILE (AGRONOMY)

| | | | |
|---|---|---|---|
| | **Name of the Faculty** | **:** | Dr. Umesh S. Kudtarkar |
| | **Post held** | **:** | Assistant Professor /<br>Jr. Agrostologist |
| | **Mobile No.** | **:** | 8390982994 |
| | **Date of Birth** | **:** | 12/09/1980 |
| | **Email ID** | **:** | Umeshb4u59@rediffmail.com |
| | **Educational qualification** | **:** | M.Sc (Agri.), Ph.D. |
| | **Area of Specialization** | **:** | Agronomy |
| | **Experience (Years)** | **:** | 05 |
| | **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | **:** | <br>--<br>-- |
| | **Present area of Research** | **:** | Agrostology / Forage Agronomy |
| | **Involvement in various research project** | **:** | -- |
| | **Awards** | **:** | -- |

# FACULTY PROFILE (AGRONOMY)

| | | |
|---|---|---|
| **Name of the Faculty** | : | **Dr. Jagtap Dnyaneshwar Namdev** |
| **Post held** | : | Officer Incharge, ARS, Awashi |
| **Mobile No.** | : | 09403988143 |
| **Date of Birth** | : | 23rd Dec 1984 |
| **Email ID** | : | mauli296@gmail.com |
| **Educational qualification** | : | M.Sc. (Agri.), Ph.D., D.A.B.M. |
| **Area of Specialization** | : | Agronomy and Agril. Meteorology |
| **Experience (Years)** | : | 08 Years |
| **Students Guided**<br>**Ph.D. (Ag.)**<br>**M.Sc. (Ag.)** | : | <br>Nil<br>02 |
| **Present area of Research** | : | Agronomy and Agril. Meteorology |
| **Involvement in various research project** | : | AICRP on Agrometeorology, Irrigation Research Scheme, Climate Change Group, DBSKKV, Dapoli |
| **Awards** | : | 1. "**Second Prize" for Poster Presentation,** National Conference on *"Challenges in weed management in agro-ecosystems-Present status and future strategies",* Nov. 30 and Dec. 1 2010 held at Tamil Nadu Agricultural University, Coimbatore – 641 003.<br>2. **Honoured for scientific guidance** to the student, **DIPEX 2014**, All India Student Council, Karmayogi Engineering & Polytechnic College, Shelve, Tal Pandharpur, Solapur, Maharashtra - 413 304<br>3. **Reviewer Excellence Award,** ARCC Journals, Agril. Communication Research Centre, 1130, Sadar,Karnal–132001, Haryana, India |

| | | | |
|---|---|---|---|
| | | | 4. **Young Teacher Award,** Madhumitha Foundation confers Young Teacher Award for outstanding contribution in the field of Agronomy on occasion of National Conference On "Farmers Orientation Towards Climate Change & Upgradation To Sustainable Agriculture" 23-24 Feb 2019 at Trichy, Tamilnadu<br>5. **Young Teacher Award,** Science & Tech Society for Integrated Rural Improvement confers Young Teacher Award for outstanding contribution in the field of Agronomy on occasion of National Conference On "Farmers Orientation Towards Climate Change & Upgradation To Sustainable Agriculture" 23-24 Feb 2019 at Trichy, Tamilnadu |

6. **Instructional Farm**
    a. **Location:**
    b. **Infrastructure:** such as irrigation facilities (source: well, farm pond, canal, irrigation system: drip, sprinkler etc), water measurement, polyhouse, shednet house, farm equipments, fertigation unit, rain out shelters etc.
    c. **Activities:** Provide the details such as the different educational, research and demonstration activities that can be performed on the farm
    d. **Photographs:** Photographs of the important facilities preferably with students using those or being demonstrated.
7. **Research Activities and Achievements (including projects)**

# : RESEARCH ACHIVEMETS :

## Recommendations

<table>
<tr><th>Sr. No.</th><th>Recommendation</th><th>Year</th></tr>
<tr><td>1.</td><td>It is recommended to use following weather based regression model for prediction of vegetative flush emergence in Alphonso mango before three or four weeks by using seven days average temperature from second fortnight of September (38th met week) and onwards in orchards managed by using recommended technology given by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli under Konkan agro-climatic conditions.<br>❖ Alphonso mango vegetative flush emergence (3 weeks before)<br>= 31.600+0.757*TMAX-0.551*TMINI $R^2$ = 0.75**<br>❖ Alphonso mango vegetative flush emergence (4 weeks before)<br>= 26.848+1.110*TMAX -0.768*TMINI $R^2$ = 0.64**<br>** Significant at 1%</td><td>2023</td></tr>
<tr><td>2.</td><td>It is recommended to sow early, mid late and late rice varieties developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth in Sindhudurg district for obtaining stable yield under varying climatic condition as suggested in following table.
<table>
<tr><th rowspan="2">r. o.</th><th rowspan="2">Sowing period</th><th colspan="3">Rice varieties</th></tr>
<tr><th>Early</th><th>Mid late</th><th>Late</th></tr>
<tr><td>.</td><td>23rd meteorological week (04 to 10 June)</td><td>Karjat-3 and Phondaghat-1</td><td>Palghar-1, Karjat-5 and Karjat-9</td><td>Karjat-2 and Ratmagiri</td></tr>
</table></td><td>2023</td></tr>
<tr><td>3.</td><td>It is recommended to sow early, mid late and late rice varieties developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth in Ratnagiri district for obtaining stable yield under varying climatic condition as suggested in following table.
<table>
<tr><th rowspan="2">r. o.</th><th rowspan="2">Sowing period</th><th colspan="3">Rice varieties</th></tr>
<tr><th>Early</th><th>Mid late</th><th>Late</th></tr>
<tr><td>.</td><td>23rd meteorological week (04 to 10 June)</td><td>-</td><td>Karjat-5</td><td>-</td></tr>
<tr><td>.</td><td>24th meteorological week (11 to 17 June)</td><td>Ratmagiri-1</td><td>-</td><td>Ratnagiri-3 and Ratmagi 8</td></tr>
</table></td><td>2023</td></tr>
</table>

**4.** It is recommended to sow early rice varieties developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth in Palghar district for obtaining stable yield under varying climatic condition as suggested in following table**.**

| Sowing period | Early varieties |
|---|---|
| 24th to 25th meteorological week (11 to 24 June) | Karjat-7, Karjat-3, Ratnagiri-1 and Phondaghat-1 |

**5.** It is recommended to sow early, mid late and late rice varieties developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth in Raigad district for obtaining stable yield under varying climatic condition as suggested in following table**.**

| Sr. No. | Sowing period | Rice varieties | | |
|---|---|---|---|---|
| | | Early | Mid late | Late |
| 1. | 23rd meteorological week (04 to 10 June) | - | Ratnagiri-6, Ratnagiri-7, Karjat-5 and Karjat-9 | Ratnagiri-8 |
| 2. | 24th meteorological week (11 to 17 June) | Karjat-7, Karjat-3 and Phondaghat-1 | - | - |

**6.** It is recommended that, to use 1:3 row proportion for obtaining higher net returns and B:C Ratio under Mustard + Cowpea intercropping system during *rabi-hot* weather season of Konkan region. **2022**

**7.** In North Konkan coastal zone of Maharashtra, fodder maize + berseem inter-cropping in 2:1 ratio is recommended for obtaining significant higher proteinous yield of fodder and net returns. **2022**

**8.** It is recommended to grow groundnut in Konkan during Rabi –Summer season under paddy straw mulch and be irrigated daily through drip irrigation with total irrigation depth of 371 ha mm and fertigated with 100% RDF (25kg N and 50 kg $P_2O_5$ $ha^{-1}$) through water soluble fertilizers in five equal splits of six days interval to get maximum yield and more economic returns and water saving. **2022**

| DAS | Source of Fertilizer | Splits | Quantity of Fertilizers (Kg/ha) |
|---|---|---|---|
| 6 | 1)12:61:0 | 16:39 | 22.98 |
| | 2) Urea | 6:59 | |
| 12 | 3)12:61:0 | 16:39 | 22.98 |
| | 4) Urea | 6:59 | |
| 18 | 5) 12:61:0 | 16:39 | 22.98 |
| | 6) Urea | 6:59 | |
| 24 | 7) 12:61:0 | 16:39 | 22.98 |
| | 8) Urea | 6:59 | |
| 30 | 9) 12:61:0 | 16:39 | 22.98 |
| | 10) Urea | 6:59 | |

<table>
<tr><td>9.</td><td>It is recommended to grow dibbled rice-sweet corn-green gram cropping system on raised bed or flat bed with silver-black polythene mulch (30 micron) to obtain higher yield and economic benefit by using practices given in following table.<br><br>
<table>
<tr><th>Particulars</th><th>Raised bed</th><th>Flat bed</th></tr>
<tr><td>1. Bed size</td><td>1.0 m. top and 1.20 m. bottom breadth, 20.25 m. in length and 8-10 cm in height</td><td>4.60 m. in breadth and 20.25 m. in length</td></tr>
<tr><td>2. Spreading of Polythene mulch</td><td>Spread single strip of silver-black polythene mulch on the bed</td><td>Seal the four strip of silver-black polythene mulch together and spread it on the bed</td></tr>
<tr><td>3. Spacing</td><td colspan="2">Rice : 20 x 15 cm.<br>Sweet corn : 40 x 30 cm.<br>Green gram : 20 x 15 cm.</td></tr>
<tr><td>4. Fertilizer dose</td><td colspan="2">Rice : 100: 50 : 50 NPK kg/ha.<br>Sweet corn : 200 : 60 : 60 NPK kg/ha.<br>Green gram : 25 : 50 : 0 NPK kg/ha.</td></tr>
</table></td><td>2022</td></tr>
<tr><td>10.</td><td>Spraying of pre emergence herbicide Oxadiargyl 80 % WP @ 100 g a.i.ha$^{-1}$ (125 g per ha market product) at 2-3 DAS fb Metasulfuron- methyl + chlorimuron – ethyl @ 4 g a.i. ha$^{-1}$at (125 ml per ha market product) 25 DAS or Oxadiargyl 80 % WP @ 100 g a.i.ha$^{-1}$ (125 g per ha market product) fb 1HW at 30 DAS in dry direct seeded rice during kharif season for effective control of weeds and for obtaining higher yield and net returns under Konkan region is recommended.</td><td>2022</td></tr>
<tr><td>11.</td><td>It is recommended to grow elephant foot yam-okra crops in sequence under lateritic soils of Konkan region with drip irrigation system and irrigation should be scheduled on alternate day at 100 % PE (Total water applied to elephant foot yam 117.54 mm and okra crop 224.17 mm) and 125 % RDF (Elephant foot yam-FYM @ 10 t ha$^{-1}$ + 100:75:100 kg N:$P_2O_5$:$K_2O$ ha$^{-1}$and Okra-FYM @ 10 t ha$^{-1}$ + 125:65:65 kg N:$P_2O_5$:$K_2O$ ha$^{-1}$) through straight fertilizers for obtaining higher system production and economic returns.</td><td>2021</td></tr>
<tr><td>12.</td><td>It is recommended that, to get higher yield and economic returns from rice based cropping systems, Rice crop be grown during Kharif season followed by Bottle gourd or Brinjal or Groundnut or Okra during Rabi season under North Konkan Coastal Region.</td><td>2021</td></tr>
<tr><td>13.</td><td>It is recommended to apply 170 kg ha -1 Konkan Annapurna Briquette + 5 ton FYM (25% RDN) to kharif rice and 75% RDF (150: 45: 45 kg NPK ha$^{-1}$) to rabi sweet corn for obtaining optimum yield and economic returns in rice- sweet corn cropping system in South Konkan Coastal Zone.</td><td>2021</td></tr>
<tr><td>14.</td><td>Spinach: Nutrient management<br><br>It is recommended that under coastal saline soil of North Konkan region to obtain maximum yield and highest monetary returns, spinach variety Pusa Harit be cultivated</td><td>2019</td></tr>
</table>

| | | |
|---|---|---|
| | with application of nitrogen @ 75 kg $ha^{-1}$ and 50 kg $P_2O_5$ $ha^{-1}$<br><br>**(Khar Land Research Station, Panvel)** | |
| 15. | In North *Konkan* coastal zone of Maharashtra, rice-fodder maize and rice-berseem food–fodder cropping sequences are recommended for obtaining higher yield and economic returns.<br><br>**(Agricultural Research Station, Palghar)** | 2019 |
| 16. | ***Rabi*- summer Groundnut: Nutrient management**<br><br>It is recommended to apply FYM @ 5 t $ha^{-1}$ and phosphorus @ 50 kg $ha^{-1}$ fertilizer dose at the time of sowing and seed dressing with phosphorus solubalizing bacteria (DGRC 2) @ 25 g $kg^{-1}$ for the maximum dry pod yield and net monetary returns in *rabi* hot weather groundnut in Konkan region.<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and P.D. Chendage, V.C. Navhale and N.G. Sonone)** | 2019 |
| 17. | ***Kharif* groundnut: Use of Paclobutrazol**<br><br>Foliar spraying of paclobutrazol @ 100 ppm at 30 and 50 days after emergence is recommended for obtaining maximum pod yield and monetary returns from *kharif* cultivation of groundnut cultivar TKG Bold in lateritic soils of *Konkan* region.<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and P.D. Chendage, V.C. Navhale and N.G. Sonone)** | 2019 |
| 18. | ***Rabi*- summer groundnut: Management practices**<br><br>Groundnut variety *Konkan Bhuratna* be sown with spacing of 30 cm x 10 cm and application of 125% RDF (31.25 kg N and 62.5 kg $P_2O_2$) $ha^{-1}$ along with FYM @ 5 t $ha^{-1}$ is recommended for obtaining maximum pod yield and monetary returns under lateritic soils of *Konkan* region.<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and P.D. Chendage, V.C. Navhale and N.G. Sonone)** | 2019 |
| 19. | **Rice: Sowing period and age of seedling**<br><br>It is recommended to grow rice hybrid Sahyadri 3 in *kharif* season by sowing the nursery during 23rd meteorological week (4 June to 10 June) and transplanting 15 days old seedlings for obtaining higher yield and net returns under south *Konkan* condition.<br><br>(Dr. M.S. Jadhav, Dr. U.V. Mahadkar, Dr. S.A. Chavan, V.A. Rajemahadik, V.N. Shetye, Dr. S.B. Gangawane, V.M. Kanade, Dr. A.P. Chavan, Dr. V.G. More, Dr. D.N. Jagtap and Dr. S.S. Pinjari) | 2018 |
| 20. | It is recommended that rice- groundnut, rice- sweet corn and rice- dolichos bean system be grown under organic package of practices to get higher yield and economic returns from rice based cropping system.<br><br>**(RARS., Karjat)** | 2018 |

| | | |
|---|---|---|
| 21. | **Sugarcane: Planting material and media**<br><br>For obtaining higher yield from sugarcane in South *Konkan* region, it is recommended to use the seedlings of single bud set grown in the media comprised of coco-peat and vermi-compost in 1:1 proportion along with *acetobacter* culture @ 5.00 g $kg^{-1}$.<br><br>**(Dr. M.S. Jadhav, Dr. S.B. Gangawane, Dr. V.N. Shetye, Shri. V.A. Rajemahadik, Dr. S.A. Chavan and Dr. U.V. Mahadkar)** | 2018 |
| 22. | Establishment techniques in rice<br><br>In lateritic soil of south *Konkan* coastal zone it is recommended to grow direct seeded rice by adopting conservation tillage on flat bed system along with the use of *Konkan Annapurna* briquettes in combination with soil application of zinc sulphate and copper sulphate @ 175, 25 and 5 kg $ha^{-1}$, respectively for obtaining higher yield and net returns.<br><br>(Dr. U.V. Mahadkar, M.S. Jadhav, V.A. Rajemahadik, V.N. Shetye, Dr. S.A. Chavan, V.G. Chavan, Dr. H.M. Patil, Dr. S.S. Pinjari and Dr. D.N. Jagtap) | 2017 |
| 23. | **IFS model for Kharland**<br><br>The different farming components such as crops [rice (0.50 ha), vegetables (0.27 ha)], Horticulture crops [Coconut (0.15 ha), Sapota (0.03 ha) and spices (0.01 ha) on bund], livestock [Fish pond (0.2035 ha) and Poultry (0.0035 ha)] and complementary [Vermicompost (0.0040 ha), Kitchen garden (0.0028 ha)] are recommended in north Konkan Coastal saline soils. B: C ratio increases if size of pond is increased in IFS.<br><br>**(Khar Land Research Station, Panvel)** | 2017 |
| 24. | **Rice- rice cropping system: Nutrient management**<br><br>In North *Konkan* Coastal Zone of Maharashtra, Rice-Rice cropping system be supplied with recommended dose of NPK along with zinc (120:50:50:6 kg $ha^{-1}$) to *Kharif* rice (hybrid variety) rice and recommended dose of NPK (120:50:50 kg $ha^{-1}$) to *Rabi*/ Summer (improved variety) rice for obtaining higher yield and economic returns.<br><br>**(RARS., Karjat)** | 2017 |
| 25. | **Rice- sweet corn cropping system: Nutrient management**<br><br>To get higher yield and economic returns by sustaining soil fertility and productivity, application of 50 per cent RDF as inorganics and 50 per cent RDN through FYM to Rice – Sweet corn cropping system is recommended.<br><br>**(RARS., Karjat)** | 2017 |
| 26. | **Rice- brinjal or Rice- sweet corn cropping system: Resource conservation**<br><br>To get higher yield and economic returns, it is recommended to grow Rice – Brinjal or Rice – Sweet corn system under minimum tillage along with the application of 125 per cent RDF to both the systems and application of rice straw mulch @ 3 t $ha^{-1}$ to Brinjal and | 2017 |

| | | |
|---|---|---|
| | Sweet corn for resource conservation.<br><br>**(RARS., Karjat)** | |
| 27. | **IFS Model (1 ha)**<br><br>Integrated Farming System Model is recommended for small and marginal farmer of North Konkan Coastal Zone of Maharashtra (Area- 1.00 ha) | 2017 |

| **I. Cropping Systems** | | | |
|---|---|---|---|
| ***Kharif* season** | ***Rabi* season** | | |
| **Crop** | **Area (ha)** | **Crop** | **Area (ha)** |
| **Rice** | **0.20** | **Brinjal** | **0.10** |
| | | **Water melon** | **0.10** |
| **Finger Millet** | **0.05** | **Cowpea** | **0.05** |
| **Ground nut** | **0.10** | **Field Bean** | **0.10** |
| **Cucumber** | **0.10** | **Sweet corn** | **0.10** |
| **Fodder crop-Napier Bajara Hybrid (Perennial)** | **0.05** | **Fodder crop-Napier Bajara Hybrid (Perennial)** | **0.05** |
| **Total I** | **0.50** | **Total** | **0.50** |

| **II. Horticulture** | | |
|---|---|---|
| **1. Mango** | ***Ratna, Keshar and Alphonso*** | **0.20** |
| **2. Aonla** | ***Krishna, Kanchan and Chakayya*** | **0.05** |
| **3. Sapota** | ***Kali patti*** | **0.05** |
| **4. Coconut +**<br>**Intercrops**<br>**i. Black pepper**<br>**ii. Cinnamon**<br>**iii. Nutmeg** | ***Pratap***<br>***Panniyur-1***<br>***Konkan Tej***<br>***Konkan Sugandha*** | **0.05** |
| **5. Nursery-**<br>**Mango grafts**<br>**Sapota grafts** | ***Ratna, Keshar and Alphonso***<br>***Kali patti*** | **0.05** |
| | **Total II** | **0.40** |

| **III. Livestock** | | |
|---|---|---|
| **Dairy Animals 3 cows** | ***2* Crossbred *Jursey* + 1 Local** | **35.75 $m^2$** |
| **Goat unit (10 F + 2 M )** | ***Konkan Kanyal*** | **35.75 $m^2$** |
| **Poultry 3 to 4 batches/year (150 to 200 birds/batch)** | ***Giriraj and Kadaknath*** | **35.75 $m^2$** |
| | **Total III** | **107.25 $m^2$** |

| | | |
|---|---|---|
| | **IV. Complementary enterprise** | |
| | **Vermicompost unit** — ***Eisenia fetida*** — **18.00 $m^2$** | |
| | **Total IV** — **18.00 $m^2$** | |
| | **V. Land for other uses** | |
| | **Stores, threshing yard, operational area, roads, bunds, etc.** — **874.75 $m^2$** | |
| | **Total V** — **874.75 $m^2$** | |
| | **Grand Total (I+II+III+IV+V)** — **1.00 ha** | |
| 28. | **Rice based cropping system: Sweet corn and brinjal**<br><br>In south *Konkan* Coastal Zone of Maharashtra, Rice- sweet corn and Rice Brinjal cropping systems are recommended for obtaining higher yield and economic returns<br><br>**(ARS., Phondaghat)** | 2017 |
| 29. | **Summer Groundnut: Mulching, hydrogel and nutrient management**<br><br>For obtaining higher production, profit and better water use efficiency with saving of 25% water under lateritic soils of *Konkan* in groundnut, application of hydrogel @ 5.0 kg $ha^{-1}$ and use of integrated nutrient management (7.5 t $ha^{-1}$ FYM + RDF 25:50:00 NPK kg $ha^{-1}$) is recommended.<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and V.C. Navhale)** | 2017 |
| 30. | ***Rabi*-Summer groundnut: Plant population and nutrient management**<br><br>Application of 125% RDF (31.25 kg N + 62.5 kg $P_2O_5$ $ha^{-1}$) along with recommended plant spacing (30 cm x 15 cm) to *rabi* summer groundnut is recommended to obtain higher production and profitability under lateritic soils of *Konkan*<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and V.C. Navhale)** | 2017 |
| 31. | **Organic: Rice based cropping systems**<br><br>In North Konkan Coastal Zone of Maharashtra, it is recommended that rice – groundnut, rice – sweet corn and rice – *Dolichos* bean systems be grown under organic nutrient management using different organic sources as detailed below, to get higher yield and economic returns. | 2017 |

| **Source** | ***Kharif* rice** | ***Rabi* crops** | | |
|---|---|---|---|---|
| | | **Groundnut** | **Sweet corn** | ***Dolichos* bean** |
| FYM (t $ha^{-1}$) | 5.0 | 1.5 | 6.0 | 4.0 |
| *Glyricidia* green leaves (t $ha^{-1}$) | 7.5 | -- | -- | -- |
| Neem cake (t $ha^{-1}$) | 0.5 | 0.150 | 0.6 | 0.4 |
| Rice straw (t $ha^{-1}$) | 4 | -- | -- | -- |
| Vermicompost (t $ha^{-1}$) | -- | 0.5 | 2.0 | 1.3 |
| Two sprays of cow urine and Vermiwash 10 % | -- | -- | 50 | -- |

<table>
<tr><td></td><td><table><tr><td>each at 30 and 60 DAS (lit $ha^{-1}$)</td><td></td><td></td><td></td><td></td></tr></table></td><td></td></tr>
<tr><td>32.</td><td>Suru Sugarcane: Planting geometry and intercropping system<br><br>In Konkan region it is recommended that, for obtaining higher yield and net returns, suru sugarcane be planted in paired rows at 60 cm X 60 cm – 120 cm and intercropped with two rows of sweet corn at 45 cm spacing between paired row.<br><br>(Dr. M.S. Jadhav, Dr. S.B. Gangawane, Dr. V.N. Shetye, Shri. V.A. Rajemahadik, Dr. S.A. Chavan and Dr. U.V. Mahadkar)</td><td>2017</td></tr>
<tr><td>33.</td><td>Sugarcane: Planting layout and nutrient management<br><br>In lateritic soils of Konkan region for obtaining higher yield and net returns from sugarcane, it should be grown by paired row planting on ridges and furrows with drip irrigation by using single bud settling raised in soil + FYM in 1: 1 proportion and should be fertilized with recommended dose of fertilizers (250: 125: 125 NPK $ha^{-1}$) through straight fertilizers.<br><br>(Dr. M.S. Jadhav, Dr. S.B. Gangawane, Shri. V.A. Rajemahadik, Dr. S.A. Chavan and Dr. U.V. Mahadkar)</td><td>2017</td></tr>
<tr><td>34.</td><td>Okra: Nutrient and irrigation management<br><br>It is recommended to grow okra in Red Ferrogenous soils of Konkan region at a spacing of 120-45 cm x 15 cm in paired row under drip irrigation with plastic mulch and be irrigated daily by following the given schedule with RDF (100: 50: 50) through WSF in seven equal weekly splits through drip irrigation to achieve higher productivity and economic returns.<br><br><table><tr><th>Crop Period (weeks)</th><th>Water application (lit/m length)</th></tr><tr><td>1 to 5</td><td>52</td></tr><tr><td>6 to 9</td><td>50</td></tr><tr><td>10 to 13</td><td>75</td></tr><tr><td>14 to 17</td><td>47</td></tr></table></td><td>2017</td></tr>
<tr><td>35.</td><td>It is recommended that in Konkan region, for effective weed control and higher returns form Kharif drilled rice, pre emergence application of pendimethalin @ 1.00 kg./ha (30 EC) followed by one hand weeding at 25 DAS.<br><br>(Dr. S.B. Gangawane, M.J. Mane, Dr. S.S. Pinjari and V.M. Kanade)</td><td>2016</td></tr>
<tr><td>36.</td><td>Rice- groundnut cropping system: Weed management<br><br>In the Konkan region, for obtaining higher yield, net returns and effective weed control in the rice-groundnut cropping system, incorporation of green manure (Sesbania rostrata) and application of herbicide namely pretilachlor (PE) @ 0.75 kg/ha 3 to 7 DAT to kharif rice and pendimethalin (PE) @ 1.00 kg/ha 2 to 3 DAS to rabi groundnut is recommended.</td><td>2016</td></tr>
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| | **(Dr. V.B. Newase, M.J. Mane, Y.R. Govekar, Shri. V.M. Kande and Dr. S.B. Gangawane)** | |
| 37. | ***Rabi* Groundnut- *kharif* rice cropping system: Nutrient management**<br><br>It is recommended to apply 25 kg N + 75 kg $P_2O_5$ $ha^{-1}$ to groundnut and 75% RDF (75 kg N + 37.50 kg P2O5 + 37.50 kg $K_2O$ $ha^{-1}$) to rice for getting higher yield and economic returns from *rabi* groundnut- *kharif* rice system under South *Konkan* Coastal conditions.<br><br>**(V.V. Sagvekar, B.D. Waghmode, A.S. Kambale V.C. Navhale)** | 2016 |
| 38. | ***Kharif* Groundnut: Planting technique**<br><br>In *Konkan* region, it is recommended to grow *kharif* groundnut on Broad Bed and Furrow (BBF) at 80 - 20 cm using 7 micron 44 kg $ha^{-1}$ transparent polythene mulch for getting higher yield and economic returns.<br><br>**(A.S. Kambale, B.D. Waghmode, V.V. Sagvekar and V.C. Navhale)** | 2016 |
| 39. | To get higher yield and economic returns from direct seeded *kharif* rice variety *Panvel 3* be grown in North *Konkan* coastal saline soils having 2.5 to 8.5 d $Sm^{-1}$ EC with application of 100% recommended fertilizer dose (100:50:50 N, $P_2O_5$, $K_2O$ kg $ha^{-1}$)<br><br>**(Khar Land Research Station, Panvel)** | 2016 |
| 40. | **Sweet corn: Nutrient management**<br><br>In lateritic soil of *Konkan* region, it is recommended to grow sweet corn during *rabi* season under drip irrigations with application of soil test based major fertilizers along with micronutrients viz. Cu, Zn., B and Mn and amelioration with 50% lime requirement for obtaining higher yield and net return and B: C ratio<br><br>**(Dr. U.V. Mahadkar, V.N. Shetye, V.A. Rajemahadik, Dr. R.T. Thokal, Dr. A.S. Kamble, M.S. Jadhav, Dr. S.A. Chavan and V. M. Kanade)** | 2016 |
| 41. | **Direct seeded :Seed rate and nutrient management**<br><br>12. In coastal saline soil of North *Konkan* region to obtain higher grain yield with high net profit from Panvel 1 rice variety under direct seeded method, crop seeded @ 100 kg $ha^{-1}$ with application of nitrogen dose @ 100 kg $ha^{-1}$ along with basal dose of $P_2O_5$ and $K_2O$ is recommended<br><br>**(Khar Land Research Station, Panvel)** | 2015 |
| 42. | **Cowpea: Zero tillage, irrigation and nutrient management**<br><br>It is recommended to grow cowpea under zero tilled condition during *rabi* season and two irrigations (at branching and pod filling stage) along with 100% recommended dose of fertilizer (25: 50: 00 N & P kg $ha^{-1}$) should be applied below seed for obtaining higher yield and profitability.<br><br>**(Dr. U.V. Mahadkar, Dr. V.N. Shetye, V.A. Rajemahadik, Dr. S.A. Chavan, Dr. L.S. Chavan, V.M. Kanade, Dr. S.B. Gangawane, M.S. Jadhav)** | 2015 |

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| 43. | **Mango: Weather forecast model**<br><br>Under recommended package of practices given by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli; the following weather parameters based model is recommended for one week before prediction of flowering during the period of 1st December to 15th January in Alphonso mango under South *Konkan* coastal agro climatic conditions.<br><br>Flowering (forecast 1 week early) = - 91.91 + 10.79 Tmax + 6.05 Tmini – 3.40 RH-I + 0.86 RH-II – 5.04 BSS – 3.48 Rainfall – 12.62 Rainy days $R^2$ =0.79**<br><br>**(Dr. V.G. Chavan, Dr. S.T. Thorat, Dr. S.B. Gangawane, Dr. V.N. Shetye, Shri. V.A. Rajemahadik, Shri. V.M. Kanade, Dr. S.A. Chavan and Dr. U.V. Mahadkar)** | 2015 |
| 44. | **Mango: Weather forecast model**<br><br>Under standard package of practices as per recommendation of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, the following weather parameter based prediction model is recommended for three week before prediction of emergence of vegetative flush during the period of last week of September to 1st week of November in Alphonso mango under South Konkan coastal agro climatic conditions. Alphonso mango vegetative flush emergence (3 weeks before) = 49.47 + 0.44Tmax - 0.18 RH-II - 0.03 Rainfall – 1.61 Evaporation $R^2$ = 0.94**<br><br>**(Dr. V.G. Chavan, Dr. S.T. Thorat, Dr. S.B. Gangawane, Dr. V.N. Shetye, Shri. V.A. Rajemahadik, Shri. V.M. Kanade, Dr. S.A. Chavan and Dr. U.V. Mahadkar)** | 2015 |
| 45. | **Kharif Groundnut: Resource management**<br><br>It is recommended to give first preference to fertilizer management followed by weed management and plant protection measures, respectively under economical constraints for obtaining higher productivity and profit from Kharif groundnut under lateritic soils of Konkan<br><br>**(V.V. Sagvekar, B.D. Waghmode, S.A. Chavan, B.R. Salvi, U.V. Mahadkar and K.E. Lawande)** | 2014 |
| 46. | In *Konkan* region, for obtaining higher yield and net returns from direct seeded Kharif rice, it is recommended conventional tillage be followed and zero tillage be adopted for succeeding rabi lablab bean (purpureus) in combination with two hand weedings to each crop at 20 & 40 DAS. If there is labour scarcity for hand weeding, pre-emergence application of oxadiargyl @ 0.12 kg/ha for both the crops is recommended.<br><br>**(Prof. R.R. Khadase, M.J. Mane, Dr. V.B. Newase, Dr. L.G. Pawar, Dr. S.T. Thorat)** | 2013 |
| 47. | For effective and economical weed management in direct seeded drilled rice and intern its higher productivity under conditions of south *Konkan* coastal zone, pre emergence application of oxyfluorfen @ 300 g/ha integrated with PoE application of 2,4-D @ 500 g/ha or hand weeding twice (20 & 40 DAS) is recommended.<br><br>**(M.J. Mane and Dr. V.B. Newase)** | 2013 |

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| 48. | ***Rabi* Groundnut: Nutrient management**<br><br>For obtaining higher productivity and profit from *rabi* summer groundnut in Lateritic soils of *Konkan* it is recommended to apply 100 % RDF (25 Kg N + 50 Kg P2 O5) at the time of sowing and 50 % RDF (12.5 Kg N + 25 Kg P2O5) as top dressing at one month after sowing.<br><br>**(V.V. Sagvekar, B.D. Waghmode, V.N. Shetye, S.A. Chavan, U.V. Mahadkar)** | 2013 |
| 49. | ***Kharif* Groundnut: Micronutrient management**<br><br>It is recommended to grow groundnut with the soil application of 20 kg $ZnSO_4$ $ha^{-1}$ along with recommended dose of fertilizer (25 kg N + 50 kg $P_2O_5$) for obtaining maximum yield with higher net returns during Kharif season under South Konkan conditions.<br><br>**(V.V. Sagvekar, B.D. Waghmode, V.N. Shetye, S.A. Chavan, U.V. Mahadkar)** | 2013 |
| 50. | ***Groundnut: Weed management***<br><br>For effective and profitable weed control in rabbi summer groundnut under south Konkan conditions, pre emergence application of Pendimethalin @ 1 kg $ha^{-1}$ combined with one hand weeding at 30-35 days after sowing is recommended. If hand weeding is not possible, pre emergence application of Pendamethalin @ 1 Kg $ha^{-1}$ be combined with post emergence application of either Quizalofop ethyl @ 50 g $ha^{-1}$ or Imazethapyr @ 75 g $ha^{-1}$<br><br>**(V.V. Sagvekar, B.D. Waghmode, V.N. Shetye, S.A. Chavan, U.V. Mahadkar)** | 2013 |
| 51. | **Sweet corn: Irrigation and nutrient management**<br><br>It is recommended to grow sweet corn crop (Variety- Sugar 75) in lateritic soil of *Konkan* region under inline drip irrigation system and irrigation should be scheduled on alternate day at 7.4 to 19.0 lit $plant^{-1}$ from January to April (total water 46.3 ha-cm) with 80% of recommended dose RDF (160: 48: 48 kg $ha^{-1}$, N: P: K) through WSF to get higher production, better quality and benefit.<br><br>**(Dr. R.T. Thokal and Dr. T.N. Thorat)** | 2013 |
| 52. | **Green chilli: Irrigation and nutrient management**<br><br>It is recommended that, in lateritic soil of *Konkan* region, the green Chilli (*Cv. Konkan kirti)* crop should be grown under micro-sprinkler irrigation system and irrigation should be scheduled on alternate day with 100% PE (total water 60 cm) should be applied with recommended dose (150: 50: 50, N: P: K) of fertilizer to get maximum production.<br><br>**(Dr. R.T. Thokal and Dr. T.N. Thorat)** | 2013 |
| 53. | **Banana: Micro irrigation**<br><br>It is recommended to grow banana crop (cv *Safed velchi*) in lateritic soil of *Konkan* region, with microjet irrigation and be irrigated on alternate day 13 to 15 lit. $plant^{-1}$ during October to January and 18.00 to 21.00 lit. $plant^{-1}$ during February to onset of monsoon. **(Shri. V.A.** | 2013 |

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| | **Rajemahadik, Dr. V.N. Shetye, Dr. S.A. Chavan, Dr. U.V. Mahadkar, Dr. R.T. Thokal, Shri. M.S. Jadhav, Shri. V.G. Chavan, Shri. V.M. Kanade and Dr. S.B. Gangawane)** | |
| 54. | **Rice- rice cropping system: Nutrient management**<br><br>It is recommended that for yield maximization in hybrid rice – hybrid rice system, the crop be fertilized<br>@ 150: 100: 150: 0.8: 10: 6 kg N, $P_2O_5$, $K_2O$, B, Fe, Zn $ha^{-1}$ during *kharif* and @ 150:100:150 kg N, $P_2O_5$, $K_2O$ $ha^{-1}$ during *rabi* season under North Konkan Coastal Zone of Maharashtra.<br><br>**(RARS., Karjat)** | 2012 |
| 55. | **Lablab bean: Weed management**<br><br>It is recommended that for effective control of C*uscuta* on lablab bean, the field be ploughed and *Pendimethalin* @1.0 kg $ha^{-1}$ as pre- emergence with sand mix be applied to obtain higher yield and net returns.<br><br>**(Dr. L.G. Pawar, Dr. V.B. Nevase and M.J. Mane)** | 2012 |
| 56. | **White Onion: Nutrient and weed management**<br><br>It is recommended that onion local cultivar *Alibag White* be fertilized with 150 kg N + 75 kg $P_2O_5$ + 25 kg $K_2O$ $ha^{-1}$ and for effective weed control oxyfluorfen @ 0.176 kg a.i. $ha^{-1}$ be applied 4 days after planting followed by one hand weeding at 50 days after planting. Under the scarcity of labourers, the crop be supplied with the same fertilizer dose and for effective weed control oxyfluorfen @ 0.176 kg a.i. $ha^{-1}$ be applied 4 days after planting to get higher yield and net returns under the condition north Konkan coastal zone.<br><br>**(Prof. V.N. Khade and M.J. Mane)** | 2012 |
| 57. | **Rice- brinjal cropping system**<br><br>In North *Konkan* Coastal Zone, it is recommended to follow Rice– Brinjal Cropping sequence as most profitable proposition.<br><br>**(RARS., Karjat)** | 2011 |
| 58. | 1. Under Konkan conditions, *Kharif* rice be established in uplands by system of rice intensification (SRI) at 25 cm X 20 cm spacing and for effective weed management hoeing by rotary weeder be carried out for obtaining higher yield and net returns.<br><br>**(Dr. L.G. Pawar and Dr. V.B. Newase)** | 2011 |
| 59. | Under conditions of *Konkan*, direct seeded dibbled rice be sown in uplands before onset of monsoon and for effective weed management pretilachlor-with safener (50 EC) be applied as pre emergence 0.5 kg $ha^{-1}$ for obtaining higher yield and net returns.<br><br>**(Dr. L.G. Pawar and Dr. V.B. Newase)** | 2011 |
| 60. | **Banana: Intercropping and irrigation management** | 2011 |

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| | It is recommended that, in lateritic soil of *Konkan* region, the Banana (cv. Grand Naine) should be grown as inter crop in Arecanut plantation for first three years under drip irrigation system and water should be applied @10-12 lit $day^{-1}$ $plant^{-1}$ from November to January and 15-18 lit $day^{-1}$ $plant^{-1}$ from February to May to get additional benefit from inter cropping.<br><br>**(Dr. R.T. Thokal and Dr. T.N. Thorat)** | |
| 61. | 1. Paired row planted dibbled hybrid rice under upland conditions may be grown (15x15-30 cm) in a single way skipping pattern and the crop may be manured 7 WAS either with 7.5 tons *Glyricidia* green leaves or in situ grown *S. rostrata* crop in skipped rows @ 6 t $ha^{-1}$. For effective weed management in such a crop hoeing with *Japanese* hoe 2, 4 and 7 WAS should be integrated with a manual weeding 6 WAS.<br><br>**(Dr. L.G. Pawar and Dr. S.T. Thorat)** | 2010 |
| 62. | **Rice- rice cropping system: Nutrient management**<br><br>In North Konkan Coastal Zone of Maharashtra to improve soil fertility and sustain productivity of rice under rice- rice cropping systems, 50 per cent of RFD (50: 25: 25 kg N, $P_2O_5$ and $K_2O$ $ha^{-1}$) as inorganics should be integrated with rest 50 kg N of RFD in the form of either FYM (10 t $ha^{-1}$) of Glyricidia green leaves (10 t $ha^{-1}$) during *Kharif* and 100 per cent RFD as inorganics (120: 50: 50 kg N, $P_2O_5$ and $K_2O$ $ha^{-1}$) should be applied during rabi-hot weather season.<br><br>**(RARS., Karjat)** | **2010** |
| 63. | **Weed control in rice**<br><br>For effective and economical weed control in rice crop, in case of rice-rice cropping system in medium black soils of Raigad district, pre-emergence application of pretilachlor @ kg $ha^{-1}$ to *kharif* rice under drained condition be followed. For *rabi* hot weather rice, pre-emergence application of butachlor @ 1.25 kg $ha^{-1}$ plus combination product of metsulfuron methyl 10% + chlorimuron ethyl 10% WP i.e. Almix @ g.a.i. $ha^{-1}$ 3 days after transplanting be followed. However, whenever field draining is not practically feasible two hand weddings to *kharif* rice at 25 and 45 days after transplanting and one hand weeding to *rabi* rice at 40 days after transplanting be followed. **(Dr. L.G. Pawar and M.J. Mane)** | 2008 |
| 64. | **Organic farming: Varieties**<br><br>*Sahyadri*-3, *Sahyadri*-4, *Sahyadri*-5, *Karjat*-3, *Karjat*-5, *Karjat*-8 and *Ratnagiri*-3 rice hybrids/ varieties are recommended to grow under organic package for getting higher yield and economic returns during *kharif* season.<br><br>Groundnut varieties *Konkan Gaurav*, *TG* 26 and *JL* 776 are recommended to grow under organic package for getting higher yield and economic returns during *rabi* – hot weather season.<br><br>**(RARS., Karjat)** | |

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| 65. | **Sweet corn: Irrigation and nutrient management**<br><br>1. In *Konkan* region on the newly developed terraced land, it is recommended to irrigate *rabi* sweet corn (var. *Madhu*) with 50 mm irrigation depth at 10 days interval for obtaining higher yield.<br>2. The fertilizer dose of 30 kg N (Urea) along with 18 tones of FYM per hectare is also recommended.<br><br>**(Dr. R.T. Thokal and Dr. T.N. Thorat)** | 2008 |
| 66. | **Cabbage: Pressurized irrigation and nutrient management**<br><br>1. In *Konkan* region under lateritic soil it is recommended to irrigate *rabi* Cabbage (var. Golden Acre) by micro sprinkler irrigation with 13 mm irrigation at 3 days interval for obtaining higher yield.<br>**2.** The fertilizer dose of 120: 60: 60 kg NPK (Urea, SSP, MOP) $ha^{-1}$ is also recommended.<br><br>**(Dr. R.T. Thokal and Dr. T.N. Thorat)** | 2008 |
| 67. | **ECF project**<br><br>Due to ECF scheme employment had increased 21.31 per cent and income has increased by 84.13 per cent over non beneficiaries. It is recommended that for effective transfer of recommended agricultural technologies ECF scheme be implemented on cultivators field on large scale by the extension agencies and scientists of the University.<br><br>**(RARS., Karjat)** | |
| 68. | ***Konkan Jalkund* - A micro rain water harvesting technique for horticulture crops on hill slopes of Konkan**<br><br>**Relevance**<br><br>• Micro rainwater harvesting technology on hill slopes for newly planted mango and cashew grafts where farmers do not have access of water source.<br><br>**Key features of the technology**<br><br>✓ Dimension: Pit size 4 x 1 x 1m or 2 x 1 x 2 m<br>✓ Capacity:4000 lits. per structure<br>✓ Lining & cushioning: HDPE, Silpaulin(200GSM) + paddy straw<br>✓ Silpaulin paper size: 7 x 4m or 7 x 6 m as per pit size<br>✓ Number of pits (ha): Mango-10 pits & Cashew-20 pits<br>✓ Percent survival of grafts: 85-87 %<br>✓ Construction cost: Rs.6,400/-<br>✓ Cost of rain water harvested: Rs.0.35-0.40 / lit.<br><br>**Monetary gains (0.5 ha area)**<br><br>District Mango Cashew | |

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| | Ratnagiri Rs.41, 600/- Rs.30,800/-<br>Sindhudurg Rs. 43,500/- Rs.32,900/-<br><br>TSP programme Raigad & Palghar (Year 2013-14 to 2016-17)<br><br>• Area enhancement under mango & cashew: 52.7 ha<br>• Beneficieries:264<br>• Water stored: 2108 meter cube<br><br>Resolution for allocation of grants by Maharashtra Govt.: Rs.40 crores<br><br>State Govt. grant allocations as subsidy : Rs. 2 crore 60 lakh (Dist.-Ratnagiri) and Rs. 2 crore 82 lakh (Dist- Sindhudurg) | |
| 69. | Under lateritic soil conditions of Konkan region, it is recommended that the bitter gourd crop should be sown two weeks after onset of monsoon for getting highest fruit yield. | 2005 |
| 70. | Under lateritic soil conditions of south Konkan region, it is recommended that the cucumber crop be sown immediately after onset of monsoon. | 2005 |
| 71. | For effective and economical weed control in dolichos bean during rabi hot weather season two hand weedings one at 20 DAS and another at 45 DAS should be followed. However whwewnever man power is not available for manual operations like hoeing or hand weeding, pre emergence application of oxydiargyl @ 0.1 kg a.i. $ha^{-1}$ be integrated given with hand weeding once at 45 DAS. | 2005 |
| 72. | **Agril. Meteorology**<br><br>In lateritic soil of Konkan region, bitter guard crop should be sown immediately after onset of monsoon ($24^{th}$ MW, 11-17 June) for getting highest fruit yield. | 2004 |
| 73. | For effective weed control in *rabi* chilli, fluchloralin @ 1 kg a.i. $ha^{-1}$ may be applied as per plant incorporation followed by 1 hoeing one month after transplanting. | 2004 |

d. **Completed Research Projects/Programmes/Schemes**
Title:
UR Nos.:
Objectives:
Name of PI/ Co-PI
Sponsoring Agency:
Duration:
Total Outlay:
Summary of Achievements:
Relevant Photographs:

e. **Ongoing Research Projects/Programmes/Schemes:** Only provide the name of the on going Research Projects/Programmes/Schemes. The details of the on going Research Projects/Programmes/Schemes will have to be provided by the concerned in charge in the separate format provided for this purpose. The link will be provided here with those details.

**8. Repository of abstracts of the theses:** Provide here the years wise details of the abstract of the theses/projects approved by the Department/Section for Bachelor, Masters and Doctoral theses in following format

Name of the candidate:
Degree for which the thesis/project report submitted:
Year of submission:
Name of the Guide/Co guide:
Abstract:

**9. Extension Activities**

a. **The training programmes organized**
Title:
Sponsorer:
Date and duration:
Participants: (Nature of the participation for eg. Farmers, Govt official, Academician etc and no. of participants)
Schedule of the training programme:
Special feature of the training programme: for eg training programme was especially for the women participant
One photograph

b. **Seminar/Symposia/Conference/Workshop Organized**
Title:
Sponsorer:
Date and duration:
Participants: (Nature of the participation and no. of participants)
Schedule of the Seminar/Symposia/Conference/Workshop:
Key Note Speakers along with their topic of speech
No. of papers presented
Whether papers published in abstract/full length form? If so provide the details in bibliographical format.
One photograph

c. **Farmer Melawa Organized**
Title:
Sponsorer:
Date and duration:
Participants: (Nature of the participation for eg. Farmers, Govt official, Academician etc and no. of participants)
Name of the speakers along with their topics
One photograph

d. **Radio/TV Talks delivered by the staff members of the Department/Section:** Provide the relevant details such as name of the person, topic, where and when delivered etc.

e. **Farmer-Scientist Forum:** The name of the form along with the in charge of the forum, members of the forum (name, address and phone number) and activities of the forum be provided here.

f. **Other Extension Activities:** Provide the details of any other notable extension activities performed by the Department/Section

g. **Publications:** Provide the details of the following publications published by the Department/Section in bibliographical form

Books
Booklet/bulletin
Folders
Souvenir/Proceedings of Seminar/Symposia/Conference/Workshop Organized
Training manuals of the training programme organized
Journal Research papers
Full length research papers published in Proceedings of Seminar/Symposia /Conference/Workshop

10. **Details of other activities (for e.g. seed production, production of other commodities** etc)
11. **Contact Information**
    Name of the Head
    Name of the Department
    Postal Address
    Landline Number
    Mobile Number
    Fax
    Email
12. **News and Events**