

State Agricultural Management and Extension Training Institute (SAMETI), Jammu
At
Sher-e-Kashmir
University of Agricultural Sciences and Technology
Main Campus, Chatha
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Schedule of Training Programmes for the year 2012 -2013 Under SAMETI-J

1) Training Programme on Scaling up of water productivity in horticultural / floricultural crops :

Title of the Training	Scaling up of water productivity in horticultural / floricultural crops
Date	25-26 April, 2012
Venue	Water Management Research Centre, FOA, Chatha
Clientele	Officers from Department of Agriculture / Floriculture
Course Outline	<ul style="list-style-type: none"> • Water resource and their conservation • Hydrological cycle and its various component • Land suitability for irrigation management • Water productivity and its implication in crops • Determination of crop water requirement, a basic tool for development of Horticulture crops • Rain water harvesting and storages for horticultural / floricultural crops. • Evaluation of soil physical parameter for better water management of horticulture crops • Water harvesting to meet up life saving irrigation within rainfed areas of Jammu region. • Irrigation management for horticultural / floricultural crops • Methodology for construction of water harvesting tank.
No. of Participants	30

2) **Training Programme on Integrated Eco-friendly Pest Management:**

Title of the Training	Integrated Eco-friendly Pest Management
Date	16 th , 17 th May 2012
Venue	Division of Entomology
Clientele	JAA
Course Outline	Integrated eco-friendly Pest Management, brief history and definition, role of abiotic and biotic factors definition categories of pest, pest outbreak-factors governing pest outbreak-need for pest contropest monitoring, surveillance and forecasting, concept of remote sensing, Economic Threshold Level-Economic Injury level. Principles of Pest Management-Cultural, Phsical, Mechanical, chemical methods resistant varieties in pest management-parasitoids predators and microbial agents and pheromones in pest management
No. of Participants	30 person

3) **Training Programme on Rainy Season Production of vegetable crops:**

Title of the training	Rainy Season Production of vegetable crops
Date	28 th May 2012 (One Day)
Venue	Division of Vegetable Science & Floriculture, FOA, Main Campus, Chatha
Clientele	Deptt. Officers Agriculture Department
Course outline	Okra, Brinjal , Rainfed Tomato, Cucerbites, Amaranthus
No. of participants	20

4) Training Programme on Management of Apiary:

Title of the Training	Management of Apiary
Date	7 th , 8 th June 2012
Venue	Division of Entomology
Clientele	JAA
Course Outline	Importance of honeybees and beekeeping, pre-requisites for starting beekeeping, selection of site for establishing an apiary in different agro-ecosystems, colony organization, seasonal activities and social behaviour of honeybees, bee pasturage, migratory beekeeping, major enemies and diseases of honeybees and their management, bee products and their uses, bee pollination. Cost benefit of establishing unit of 50 and 100 bee colonies
No. of Participants	30 person

5) Training Programme on Empowerment of rural Women through Training Programme on the Development of Value Added Milk Products :

Title of the training	Empowerment of rural Women through Training Programme on the Development of Value Added Milk Products
Date	June 2012
Venue	Division of Livestock Products Technology, Faculty of Veterinary Science and Animal Husbandry
Clientele	Rural women
Course outline	1.Preparation of value added milk products such as Paneer, Khoa, Phirni and Shrikhand 2. Utilization of milk whey for preparation of beverages 3. Quality evaluation of milk and milk products
No. of participants	20

6) **Training Programme on Advances in mulberry cultural practices under rain fed conditions:**

Title of the training	Advances in mulberry cultural practices under rain fed conditions
Date	12 th -14 th June 2012
Venue	Division of Sericulture, FOA, Udheywalla
Clientele	Field functionaries of State Sericulture Development Department, Jammu
Course outline	The lecture schedule has been framed on the following topics :- Soil profile and its amendments, Land preparation for mulberry cultivation using modern techniques, Water management for mulberry cultivation, Advances in mulberry propagation, Application of inorganic fertilizers and their importance, Micro and macro nutrients in mulberry, Role of organic and biofertilizers and Mulberry diseases and their management. The practical demonstration in the field and interaction between the scientists and trainees has also been included.
No. of participants	15

07) **Training Programme on Management of emerging pest problems :**

Title of the Training	Management of emerging pest problems
Date	2 nd , 3 rd July 2012
Venue	Division of Entomology
Clientele	JAA
Course Outline	Emerging insect pest problems in crops: reasons for outbreak, Insects vectors of viral diseases in crops ,Ecology and management of Grasshoppers, Ecology and management Polyphagous insects such as <i>Helicoverpa armigera</i> , <i>Spodoptera litura</i> , Ecology and management sucking pests, Lepidopterous insect pests, Ecology and management of anar butterfly and mealy bugs, Ecology and management of mite pests of crops, Ecology and management of threadworms and leaf minors.
No. of Participants	30 person

08) **Training Programme on Value Addition of Jamun and Mango:**

Title	Value addition of Jamun and Mango
Date	24 th – 25 th July, 2012
Venue	Udheywalla/ Chatha
Clientele	Officers from Social welfare, Rural Development Department of Horticulture (those engaged in food processing) and women from Command Area (Army)
Course outline	<ul style="list-style-type: none"> • Importance and therapeutic value of Jamun and mango. • Post harvest handling and processing • Role of TQM and HACCP in processing
No of participants	20

09) **Training Programme on Soil and water conservation for enhancing productivity in Kandi areas of Jammu Region :**

Title	Soil and water conservation for enhancing productivity in <i>Kandi</i> areas of Jammu region
Date	18 th & 19 July, 2012
Venue	Division of Soil Science & Ag. Chemistry, FOA, Chatha
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course outline	<ul style="list-style-type: none"> • Soil loss and Runoff: its effect t and agents. • Agronomic and mechanical measures for conserving soil and water • Rainwater harvesting
No of participants	30

10) **Training Programme on Participatory Extension Methodology :**

Title of the training	Participatory Extension methodology
Date	July, 2012 3 days
Venue	Division of Extension Education, FOA, Main Campus, Chatha
Clientele	Officers of Line Deptts.
Course outline	RRA, PRA, PRA tools, PRA exercise, FFS, PTD, Participatory planning, ITK, PPP, Participatory evaluation
No. of participants	20-25

11) Training Programme on Management of Non-insect Pest:

Title of the Training	Management of non insect pests
Date	7 th , 8 th August 2012
Venue	Division of Entomology
Clientele	JAA
Course Outline	Management approaches for Vertebrate pests of different crops-physical (trapping, acoustics and visual), Chemical strategies (poisons, repellents, fumigants and anticoagulants) and biological (predators, parasites), Management of rodents, Management of birds and other mammals ,Management of mites using acaricides, phytoseiid predators, fungal pathogens etc. ,Economic importance of nematodes to agriculture, horticulture and forestry , Principles and practices of nematode management , management of Snails and slugs.
No. of Participants	30 person

12) Training Programme on Advancement in commercial Flower Production :

Title of the training	Advance in commercial Flower Production
Date	9 th August, 2012
Venue	Division of Vegetable Science & Floriculture, FOA, Main Campus, Chatha
Clientele	Deptt. Officers
Course outline	
No. of Participants	20

13) Training Programme on Agro-techniques of important medicinal Plants:

Title of Training	Agro-techniques of important medicinal plants
Date	21-22 August, 2012
Venue	Division of Agroforestry, Chatha
Clientele	Field functionaries of the level of SMS's, AEO's, HDO's and JAA's from the department of Agriculture and Horticulture, J&K Government
Course outline	Cultivation practices of important medicinal and aromatic plants suitable for different agro-climatic zones of Jammu division. Practical aspects would also be covered through field demonstrations as well as exploiting the marketing potential to improve the economy.
No. of participants	20

14) Training Programme on Better Utilization of Animal Resources for Food Security through development of animal products:

Title of the training	Better Utilization of Animal Resources for Food Security through development of animal products.
Date	5 to 7 th September 2012
Venue	Division of Livestock Products Technology, Faculty of Veterinary Science and Animal Husbandry
Clientele	Field Veterinarians from state sheep and animal husbandry department
Course outline	<ul style="list-style-type: none"> • Retrospect and prospects of meat industry. • Utilization of animal resources by imparting the skills through training on the developing of several value added meat and dairy products. • Upgradation of knowledge for the quality evaluation of meat and dairy products.
No. of participants	15

15) Training Programme on Soil and Plant Diagnosis :

Title	Soil and Plant diagnosis
Date	10 th & 11 th Sept, 2012
Venue	Division of Soil Science & Ag. Chemistry, FOA, Chatha
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course outline	<ul style="list-style-type: none"> • Soil and plant analysis. • Soil diagnosis and result interpretation • Bio-Indicators and its importance in diagnosis. • Nutrient deficiency and its corrective measures
No of participants	30

16) Training Programme on Marketing Strategies and Credit Management :

Title	Marketing Strategies and Credit Management
Date	First week of September, 2012 (two days)
Venue	Farmers Hostel Chatha
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course outline	<ul style="list-style-type: none">• Marketing prospects.• Marketing strategies etc.• Various schemes of finance for Agriculture Development.• Credit Management and other related topics.
No of participants	30

17) Training programme on Precision farming techniques for improving crop Productivity:

Title	Precision Farming Techniques for Improving Crop Productivity
Date	24-25 September, 2012
Venue	Division of Agricultural Engineering Conference Hall of the University
Clientele	Officers / Engineers from the line departments
Course outline	<ul style="list-style-type: none">• Introduction to precision farming techniques.• Machineries used for precision farming• Design concepts for green houses / poly houses• Cost estimation and case studies
No of participants	20

18) Training programme on Economic and Statistical Analysis of Agricultural Field Experiments:

Title	Economic and Statistical Analysis of Agricultural Field Experiments
Date	2nd week of October, 2012 (one day)
Venue	Farmers Hostel Chatha
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course outline	<ul style="list-style-type: none"> • Various methods / methodologies for economic analysis of Agricultural field experiments. • Optimum use of resources in different enterprises of agriculture. • Planning, layout and statistical analysis of agricultural field experiments in various situations. • Monitoring techniques of projects.
No of participants	30

19) Training programme on New Product Development from cereals / legumes/fruits/vegetables

Title	New Product Development from cereals / legumes/fruits/vegetables
Date	9 th -10 th October, 2012
Venue	Udheywalla / Chatha
Clientele	<ul style="list-style-type: none"> • Officers from Social welfare, Rural Development Department of Horticulture (those engaged in food processing) and women from Command Area (Army)
Course outline	<ul style="list-style-type: none"> • Role of cereals/legume /fruits /vegetable in human health • Supplementation/fortification/blending of cereals with legume /fruits /vegetable. • Baked/extruded/convenience foods based on cereals/legume /fruits /vegetable
No of participants	20

20) **Training programme on Farmers empowerment and entrepreneurial development through poultry –fish integration:**

Title of the Training	Farmers empowerment and entrepreneurial development through poultry –fish integration
Date	29-30 October 2012 (Two days training)
Venue	Division of Livestock Production and Management , Faculty of Veterinary Sciences & AH, SKUAST-Jammu
Clientele	Field functionaries from fisheries department
Course Outline	<ul style="list-style-type: none"> • Scope of Poultry-Fish Integration in Jammu. • Compatible species/breeds of poultry in integrated fish farming. • Management of poultry with fish integration. • Different aspects of health management of poultry fish integration. • Different aspects of health management of poultry fish integration. • Economics of poultry fish integration.
No. of participants	20

21) **Training Programme on Nutrient Management for sustainable agriculture production:**

Title of the training	Nutrient management for sustainable agriculture production system
Date	29th & 30th October, 2012
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course Outline	<ul style="list-style-type: none"> • Soil test based nutrient management • Soil Test Crop Response(STCR), Site Specific Nutrient Management(SSNM) techniques. • Integrated nutrient management for sustainable agriculture production system • Recycling crop residues and organic wastes for better agriculture production system.
No. of participants	30

22) Training Programme on Training on physiological and biochemical aspects of abiotic and biotic stress in crop plants:

Title of the training	Training on physiological and biochemical aspects of abiotic and biotic stress in crop plants.
Date	November 1-2, 2012.
Venue	Division of Biochemistry and Plant Physiology.
Clientele	Officers from Department of Agriculture.
Course Outline	Biochemical and physiological basis of abiotic and biotic stress in crop plants. Relative water content and water use efficiency. Effect of abiotic stress on stomatal movement, chlorophyll and proline content. Role of phytohormones. Use of anti-transpirants. Botanicals in ameliorations of biotic stress.
No. of Participants	15 No.

23) Training Programme on Enhancing soil health for productive agriculture system:

Title of the training	Enhancing soil physical health for productive agriculture system
Date	15 th & 16 th Nov.2012
Clientele	Field functionaries from agriculture, horticulture & allied departments
Course Outline	<ul style="list-style-type: none"> • Components of soil physical health • Soil physical parameters and its correlation to soil fertility and productivity • Interventions to enhance soil physical health • Important soil physical tests and its importance to soil fertility.
No. of participants	30

24) Training Programme on role of multipurpose tree species in diversification of farming:

Title of Training	Role of Multipurpose tree species in diversification of farming
Date	19-20 November, 2012
Venue	Division of Agroforestry, Chatha
Clientele	Field functionaries of the level of SMS's, AEO's, HDO's and JAA's from the department of Agriculture and Horticulture, J&K Government
Course outline	Aspects like selection and orientation of multipurpose tree species, their management and tree crop interactions would be part of the curriculum
No. of participants	20

25) **Training Programme on Application of Micro Irrigation Systems for Enhancing Water Use Efficiency :**

Title of the training	Application of Micro Irrigation Systems for Enhancing Water Use Efficiency
Date	26-27 November, 2012
Venue	Division of Agricultural Engineering / Conference Hall of the University
Clientele	Officers / Engineers from the line departments
Course out line	<ul style="list-style-type: none"> • Introduction to Micro Irrigation Systems • Component, Design, Installation, Operation and Maintenance of Sprinkler Irrigation, • Component, Design, Installation, Operation and Maintenance of Drip Irrigation. • Cost estimation for installation of micro irrigation system, • Case studies for installation micro irrigation system for different crops.
No. of Participants	20

26) **Training Programme on Bio-pesticides as important tools in Integrated Pest Management :**

Title of Training	Biopesticides as important tools in Integrated Pest Management
Date	19 th -20th Dec. 2012
Venue	Division of Plant Pathology
Clientele	Officers from the Departments of Agriculture and Floriculture
Course outline	<ul style="list-style-type: none"> • Principles of Integrated disease management (IDM) for sustainable agriculture. • Role of biological control in eco-friendly management of plant diseases. • Role of IPM in the management of important insect pests of Jammu region. • Quality control of biological control agent. • Economics, distribution & registration of bio-control agents. • Entrepreneurship possibilities in bio-agent production: Prospects and problem. • Role of fungal bio-agents in management of pest. • Promotion of IPM by extension agencies: a case study.
No. of participants	30

27) Training programme on Management of problematic soils in Jammu Province:

Title of the training	Management of problematic soils in Jammu Province
Date	23th & 24 th December 2012
Clientele	Field functionaries from agriculture, horticulture & allied departments
Venue	Division of Soil Science & Ag. Chemistry, FOA, Chatha
Course Outline	<ul style="list-style-type: none"> • Management of water logged soils • Management of salt affected soil • Management of arid/semi arid soil.
No. of participants	30

28) Training Programme on Production and processing of mushrooms as viable source of farm income:

Title of the training	Production and processing of mushrooms as viable source of farm income:
Date	8 th -10 th Jan. 2013
Clientele	Officers from the Departments of Agriculture
Venue	Division of Plant Pathology, FOA, Main Campus, Chatha
Course Outline	<ul style="list-style-type: none"> • The science and scope of mushroom cultivation • Preparation of the pure culture of spawns and culture preservation techniques • Spawn production technology • Methods of compost preparation for white button mushroom: Compost ingredients and methods of composting for white button mushroom • Spawning, casing, harvesting, improved agronomic practices and crop management of white button mushroom • Cultivation of oyster and milky mushroom • Overview of pests, diseases and environmental disorders • Economics of mushroom cultivation. • Utilization of spent compost /spent substrate for vegetables and flower cultivation. • Post harvest handling and value addition of mushrooms including recipes of mushrooms
No. of participants	30

29) **Training Programme on Application of Engineering Technologies for Enhancing Productivity for Jammu Region:**

Title of the training	Application of Engineering Technologies for Enhancing Productivity for Jammu Region
Date	21-22 Jan, 2013
Venue	Division of Agricultural Engineering / Conference Hall of the University
Clientele	Officers / Engineers from the line departments (Agriculture / Horticulture / Command Area)
Course out line	<ul style="list-style-type: none"> • Introduction to improved agricultural tools • Power tillers and its attachments • Resource conservation machineries • Basics and design aspects of micro irrigation systems • Engineering measures for soil and water conservation • Improved machineries for post harvest technology
No. of Participants	20

30) **Training Programme on Post Harvest Management and value addition of aonla / citrus:**

Title of the training	Post Harvest Management and value addition of aonla / citrus
Date	22-23 Jan.,2012
Clientele	Officers from Social welfare, Rural Development Department of Horticulture (those engaged in food processing) and women from Command Area (Army)
Venue	Udheywalla / Chatha
Course Outline	<ul style="list-style-type: none"> • Nutritional importance of aonla and citrus. • Post harvest management and their value addition
No. of participants	20

31) Training Programme on Agricultural entrepreneurial ship development with agricultural extension intervention :

Title of the training	Agriculture entrepreneurial ship development with agricultural extension intervention
Date	Jan.,2013 (2 days)
Clientele	Participants from line departments
Venue	Division of Extension Education , FOA, Main Campus, Chatha
Course Outline	Entrepreneurial ship development, Role of ATMA in entrepreneurial ship development, development of socio-psyco attributes, motivational techniques, role of KVK in entrepreneurial ship development, Extension strategies, Insurance, book keeping, loaning, project formulation for funding
No. of participants	20-25

32) Training Programme on Brain storming session for training need assessment for extension officers of line department :

Title of the training	Brain storming session for training need assessment for extension officers of line department
Date	Feb.,2013 (2 days)
Clientele	Participants from line departments
Venue	Division of Extension Education , FOA, Main Campus, Chatha
Course Outline	The two days work shop shall be divided into four session excluding inaugural and valedictory sessions the outcome shell be training need w.r.t production and protection of agriculture and animal husbandry.
No. of participants	20-25