

**5.1: AGROFORESTRY****5.1.1 Proposed training programmes for Farmers/Farm women**

S. No.	Topic	Content	Duration	Month	Venue
1	Nursery raising of prominent fodder trees and grasses (Mulberry, Napier and Staria)	<ul style="list-style-type: none"> <li>Types of nursery</li> <li>Cost effective nurseries</li> <li>Propagation and plantation schedule for MPT's and grasses.</li> </ul>	1 day	April	Off-Campus
2	Multipurpose trees and fodder grasses: role and importance (Albizia, Mulberry, Poplar, Napier and Setaria)	<ul style="list-style-type: none"> <li>Role Concept of MPT's</li> <li>Importance of MPT's</li> <li>MPT's for Jammu</li> <li>Time and techniques of planting</li> </ul>	1 day	May	Off-Campus
3	Cultivation of medicinal and aromatic plants for higher income (Lemon grass Aloe vera, Stevia)	<ul style="list-style-type: none"> <li>Important MAP's for the district</li> <li>Economic importance an market of MAP's</li> <li>Cultivation practices of important MAP's</li> </ul>	1 day	June	Off-Campus
4	Cultivation of medicinal trees (Harad and Aonla) for higher income	<ul style="list-style-type: none"> <li>Economic importance Iof Medicinal trees</li> <li>Propagation techniques of Harad and Aonla</li> <li>Grading and market</li> </ul>	1 day	July Aug January 2019	Off-Campus
5	Agroforestry for sustainable production	<ul style="list-style-type: none"> <li>Selection of site specific tree crop combination</li> <li>Management of tree on bunds and boundaries for higher and sustainable production.</li> </ul>	1 day	Sept	Off-Campus
6	Scientific cultivation of fodder crops (Oats, barseem)	<ul style="list-style-type: none"> <li>Important fodder crops</li> <li>Production technology for round the year fodder production</li> </ul>	1 day	Oct	Off-Campus
7	Management of locally available Agroforestry trees and perennial grasses for	<ul style="list-style-type: none"> <li>Traditional practices</li> <li>Agro forestry</li> <li>Important Agroforestry systems</li> </ul>	1 day	Dec	Off-Campus

	sustaining fodder and food security in Kandi areas	<ul style="list-style-type: none"> <li>• Perennial fodder grasses</li> <li>• Economic returns</li> </ul>			
8	Production technology of economically important MPT's (Poplar, Melia, Mulberry )	<ul style="list-style-type: none"> <li>• Criteria for selection of tree species</li> <li>• Productive role of MPT's</li> <li>• Layout for block and boundary plantations.</li> </ul>	1 day	March, 2019	Off-Campus

### 5.1.2 Training Programme for Extension Officers

S. No.	Topic	Content	Duration	Month	Venue
1	Role of Agroforestry in adaptation and mitigating climate change	<ul style="list-style-type: none"> <li>• Agroforestry concept</li> <li>• Climate change</li> <li>• Adaptation and mitigation</li> <li>• Agroforestry intervention</li> </ul>	1 Day	June	On-Campus
2	Potential of Medicinal and aromatic plant under agroforestry systems	<ul style="list-style-type: none"> <li>• Potential &amp; Importance of MAP's</li> <li>• Choice &amp; Selection of species</li> <li>• Tree crop interaction</li> </ul>	1 Day	Feb	On-Campus

### 5.1.3 Vocational Training for Rural Youth

S. No.	Topic	Content	Duration	Month	Venue
1	Quality planting material production and Nursery raising an enterprise	<ul style="list-style-type: none"> <li>• Importance of QPLM prodn.</li> <li>• Cost effective nurseries</li> <li>• Lay out plan</li> <li>• Marketing</li> <li>• Intercultural activities</li> </ul>	2 Day's	June	On-Campus

**5.1.4 Externally Sponsored Projects:**

**Production and demonstration of Quality Planting Material of commercially important medicinal trees for livelihood security**

**5.1.4.1 Production and demonstrations**

S. No.	Activity	Tentative Month
1	QPLM production/procurement	Jan- Dec 2018
2	Demonstrations and distribution of planting material	July-Aug, 2018

**Selection of farmers and mobilization for group formation, market linkage will be a continuous process throughout the project period.**

**5.1.4.2 Extension Programmes**

S.no.	Title of the programme	Clientele	Month
1	Refresher workshop cum interaction	Farmers Industry/ stakeholders	August
2	Exposure visit	Farmers	Sept

**5.2: Agriculture Extension****5.2.1 Proposed training programmes for Farmers/Farm women**

Thematic Area	Topic	Content	Duration	Month	Venue
Mobilization of social capital	Group approach to address marketing problems	Why group approach?  How to handle marketing problems through collective actions	1 day	May	Off campus
WTO and IPR issues	Sensitizing farmers to avail crop insurance against natural calamities	How to avail crop insurance	1 day	July	Off campus

Leadership Development	Leadership development among rural youths	Concept of leadership How to become group	1 day	Sept.	Off campus
Entrepreneurial development of farmers/rural youth	Entrepreneurial opportunities in vegetable growing.	Introduction. Scope of veg. venture. Marketing of vegetables.	1 day	Nov.	Off campus
Mobilization of social capital	Formation and management of SHGs.	Introduction Features of SHG. Objectives of SHGs. Responsibilities of members.	1 day	Jan, 2019	Off campus
WTO and IPR issues	Sensitizing farmers to avail crop insurance against natural calamities	How to avail crop insurance	1 day	March, 2019	Off campus

### 5.2.2 Training Programme for Extension Officers

S. no	Topic	Content	Month
1	Agriculture Innovation System (AIS) Approach for Sustainable Agriculture Development	Introduction Different innovation approaches Concept of an AIS Approach	Dec.

### 5.3 Horticulture

#### 5.3.1 Proposed training programmes for Farmers/Farm women

S. No.	Topic	Content	Duration	Month	Venue
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1.	Management of fruit drop in fruit crops.	<ul style="list-style-type: none"> <li>• Reasons for low yield</li> <li>• Control measure for fruit drop and splitting</li> </ul>	1 day	May	Off Campus
2.	Scientific cultivation of marigold.	<ul style="list-style-type: none"> <li>• Method of production</li> <li>• Important varieties</li> <li>• Control measure for insects pests and diseases</li> </ul>	1 day	September	Off Campus
3.	Importance of INM in horticulture.	<ul style="list-style-type: none"> <li>• Importance of organic inputs in horticulture.</li> <li>• Sources of organic manures</li> <li>• Techniques of organic horticulture production</li> </ul>	1 day	August	Off Campus
4.	Nursery raising techniques of Rabi and Kharif vegetables	<ul style="list-style-type: none"> <li>• Seed bed preparation</li> <li>• Seed treatment</li> </ul>	1 day 1 day	April September	Off Campus

### 5.3.2 TRAINING PROGRAMME FOR EXTENSION OFFICERS

S. No.	Topic	Content	Duration	Month	Venue
1.	Recent advances in Nutrition of fruit crops	<ul style="list-style-type: none"> <li>• Potential fruit crops for Jammu.</li> <li>• Nutrition management of important fruits</li> <li>• Use of biofertilisers in horticulture</li> </ul>	1day	Nov	On Campus
2.	Common insect pests of fruit crops.	<ul style="list-style-type: none"> <li>• Common insect pests</li> <li>• Management of thesepests</li> </ul>	1 day	April	On campus

### 5.3.3 TRAINING PROGRAMME FOR RURAL YOUTH

S. No.	Topic	Content	Duration	Month	Venue
1.	Nursery raising as an enterprise.	<ul style="list-style-type: none"> <li>• Potential fruit crops for Jammu.</li> <li>• Methods of propagation of main crops.</li> </ul>	2 day	June	On Campus

		<ul style="list-style-type: none"> <li>Project formulation for establishment of fruit nursery.</li> </ul>			
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## 5.4: HOME SCIENCE

### 5.4.1 Proposed training programmes for Farm women

S. No.	Topic	Content	Duration	Month	Venue
1.	Ensuring Nutritional security of the Farm family through Kitchen Gardening	<ul style="list-style-type: none"> <li>Concept of Nutritional Gardening with respect to farm families</li> <li>Round the year nutritional availability from kitchen gardening</li> <li>Planning kitch garden in view of nutritional adequacy</li> </ul>	1 Day	April	Off Campu s
2.	Agri based entrepreneurial activities for empowering farm women	<ul style="list-style-type: none"> <li>Role/concept of financial independence</li> <li>Various Agri- based entrepreneurial activities</li> <li>Value Addition, processing, Mushroom production, Dairy, Poultry etc.</li> </ul>	1 Day	May	Off Campu s
3.	Mitigating Malnutrition in women and adolescent girls through dietary modification	<ul style="list-style-type: none"> <li>Interrelationship between diet and health</li> <li>Incidence of malnutrition in women and adolescence girls</li> <li>modification of dietary plans for of iron availability in diet</li> </ul>	1 Day	June	Off Campu s
4.	Value added products from mango	<ul style="list-style-type: none"> <li>Concept of value addition to fruits</li> <li>Nutritive contents of mango fruit</li> <li>Demonstration of value added products</li> </ul>	1 Day	June/July	Off Campu s
5.	Value addition of Jamun	<ul style="list-style-type: none"> <li>Nutritive content of Jamun</li> <li>Therapeutic value</li> </ul>	1 Day	June/July	Off Campu s

		<ul style="list-style-type: none"> <li>• Demonstration of value added products</li> </ul>			
6.	Enhancing the nutritive and economic value of cereals and pulses through processing	<ul style="list-style-type: none"> <li>• Nutritional need of vulnerable population</li> <li>• Supplementing diet with low cost nutritional supplements</li> <li>• Demonstration of techniques for obtaining optimum nutrition (Fermentation, puffing, sprouting etc.)</li> </ul>	1 Day	August	Off Campu s
7.	Drudgery reducing technologies for household and agricultural operations.	<ul style="list-style-type: none"> <li>• Role of women in household and agricultural operations</li> <li>• Drudgery of women Viz-a-viz time and energy</li> <li>• Demonstration on various drudgery reduction equipments</li> </ul>	1 Day	Septemb er	Off Campu s
8.	Processing of locally available seasonal fruits and vegetables.	<ul style="list-style-type: none"> <li>• Nutritive value of seasonal fruits and vegetables</li> <li>• Concept of processing and income generation</li> <li>• Demonstrations</li> </ul>	1 Day	Novembe r	Off Campu s

#### 5.4.2 TRAINING PROGRAMME FOR EXTENSION OFFICERS

S. No.	Topic	Content	Duration	Month	Venue
1.	Value Addition of cereals and pulses (for Anganwari workers and supervisors)	<ul style="list-style-type: none"> <li>• Concept of value addition in view of improving nutritional value and acceptability to the vulnerable groups</li> <li>• Demonstration of value added products from cereals and pulses (weaning foods)</li> </ul>	1 Day	May	On Campus

2.	Integrated Nutritive diets for pregnant and lactating women and preschoolers to avoid malnutrition for Anganwari workers /Supervisors	<ul style="list-style-type: none"> <li>• Dietary requirements of pregnant and lactating women</li> <li>• Dietary requirements of preschool children</li> <li>• Diet plans for the above</li> </ul>	1 Day	September	On Campus
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#### 5.4.3 TRAINING PROGRAMME FOR RURAL YOUTH

S. No.	Topic	Content	Duration	Month	Venue
1.	Processing of seasonal fruits and vegetables for augmenting family income	<ul style="list-style-type: none"> <li>• Nutritive value of seasonal fruits and vegetables</li> <li>• Concept of processing and income generation</li> <li>• Skill Training in processing and value addition of mango, Jamun, Guava, Lemon, Tomato, etc</li> </ul>	3 Days	June-July	On Campus
2.	Entrepreneurship development through skill training in basket making/ cushion making/ Tie & Dye	<ul style="list-style-type: none"> <li>• Concept of entrepreneurship</li> <li>• Locally available agri material for handicraft making</li> </ul>	5 Day	May	On Campus
3.	Mushroom Cultivation	<ul style="list-style-type: none"> <li>• Importance of Mushroom as a nutritive and cash crop</li> <li>• Various methods of compost preparation</li> <li>• Spawning, casing, care and maintenance</li> </ul>	5 Day	October/ November	On Campus

#### 5.5: ANIMAL SCIENCE

##### 5.5.1 Proposed training programmes for Farm women



S. No.	Topic
1.	De-worming and vaccination in Farm animals
2.	Improvement of nutritive value of low quality roughages
3.	Management of parasitic diseases in animals

## 5.6 Crop Production

### 5.6.1 Proposed training programmes for Farm women

S. No.	Topic	Content	Duration	Month	Venue
1.	Integrated Crop management in Rice	<ul style="list-style-type: none"> <li>• Raising of nursery and aftercare</li> <li>• Nutrient &amp; Weed Management</li> <li>• Water Management</li> <li>• IPM in Paddy</li> </ul>	1 day	May	Off-Campus
2.	Maize production technology	<ul style="list-style-type: none"> <li>• Nutrient Management</li> <li>• Weed Management</li> <li>• IPM in Maize</li> </ul>	1 day	June	Off-Campus
3.	Production Technology for pulses and oil seeds	<ul style="list-style-type: none"> <li>• Nutritional importance</li> <li>• Weed Management</li> <li>• INM and IPM</li> </ul>	1 day	Oct	Off-Campus
4.	Wheat Production Technology	<ul style="list-style-type: none"> <li>• Resource Conservation Technology(RCTs) in Wheat</li> <li>• Weed Management</li> <li>• Irrigation Scheduling</li> <li>• INM and IPM</li> </ul>	1 day	Nov	Off-Campus