

ACTION PLAN 2010-11



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Directorate of Extension Education

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Introduction

Krishi Vigyan Kendra Poonch has been Sanctioned by ICAR vide their communication No.2 (54)/2003-AE.II, Dated 30th March, 2007

Area under KVK, Poonch

Total land allotted (at Poonch): 3.2 ha

THRUST AREAS

- Balanced use of fertilizer in Rice and Maize
- Standardization of vegetable production techniques
- Training on budding and grafting in fruit plants
- Weed management

1 ON-FARM TRIALS (OFT's)

A. CROP PRODUCTION

- a) Evaluation of wheat varieties under rainfed and irrigated conditions
- b) Evaluation of maize hybrids over composites
- c) Weed Management in maize

B. PLANT PROTECTION

- a) Management of *Phytophthora* blight in tomato.
- b) Management of Chili wilt.
- c) Management of Anar butterfly in wild pomegranate.

C. HORTICULTURE

- a) Performance of different varieties/hybrids in cauliflower
- b) Effect of Integrated Nutrient Management on the production of knoll-khol
- c) Effect of fertilizer doses on the yield of cabbage
- d) Effect of spacing on yield of tomato (var. Shivalik)
- e) Effect of fungicides against purple blotch in Onion.
- f) Economy of spraying micro-nutrients on Plum.

D. AGROFORESTRY

- a) Effect of NPK doses on yield of plum (var. Chukendari) in an Agroforestry system.

TECHNICAL PROGRAMME FOR OFTs

- i. Evaluation of wheat varieties under rainfed and irrigated conditions**
 - Treatment 1: Farmers practice
 - Treatment 2: PBW 527
 - Treatment 3: PBW 343
- ii. Evaluation of maize hybrids over composites**
 - Treatment 1: Farmers practice
 - Treatment 2: KH612
 - Treatment 3: KH517
- iii. Weed management in Maize**
 - Treatment 1: Farmers practice (Manual)
 - Treatment 2: Atrazine
 - Treatment 3:
- iv. Management of *Phytophthora* blight in tomato**
 - Treatment 1: Farmer's practice
 - Treatment 2: Planting on ridges
 - Treatment 3: Ridomil MZ (0.25%)
- v. Management of Chili wilt**
 - Treatment 1: Farmer's practice (Flat bed + No chemical)
 - Treatment 2: Raised bed + Bavistin
 - Treatment 3: Raised bed + Dithane M-45
- vi. Management of Anar Butterfly in Wild Pomegranate**
 - Treatment 1: Farmer's practice
 - Treatment 2: Bagging of Fruits
 - Treatment 3: Spraying with Endosulphan (0.07%)
- vii. Performance of different varieties/hybrids in cauliflower**
 - Treatment 1: Farmer's practice (Snow Ball)
 - Treatment 2: Snow Crown
 - Treatment 3: Swati
- viii. Effect of Integrated Nutrient Management on the production of Knol-Khol**
 - Treatment 1: Farmer's practice (un balanced nutrition)
 - Treatment 2: FYM @ 20t /ha
 - Treatment 3: FYM @ 10 t/ha + ½ NPK

Treatment 4: Vermicompost @ 10t/ha

Treatment 5: Vermicompost @ 2.5 t/ha + ½ NPK

ix. Effect of fertilizer doses on the yield of cabbage

Treatment 1: Farmer's practice

Treatment 2: 120:60:60 (Recommended)

Treatment 3: 140:80:60

x. Effect of spacing on yield of tomato (Var. Shivalik)

Treatment 1: Farmer's practice

Treatment 2: 60 cm x 45 cm (recommended)

Treatment 3: 60 cm x 60 cm

xi. Effect of fungicides against purple blotch in Onion

Treatment 1: Farmer's practice

Treatment 2: Dithane M-45

Treatment 2: Bavistin

Treatment 2: Ridomil

xii. Economy of spraying micro nutrients on plum

Treatment 1: Farmer's practice

Treatment 2: Zinc sulphate (0.5%) + Boric acid (0.1%)

Treatment 3: Multiplex (0.25%)

xiii. Effect of NPK doses on yield of plum in an Agroforestry system

Treatment 1: Farmer's practice

Treatment 2: 10 kg FYM + 1 kg N + 750 gm P + 850 gm K (per plant)

Treatment 3: 900 gm N + 900 gm P + 1000 gm K (per plant)

2.1 FARMERS' TRAINING

2.1.1 Crop Production

S. No.	Topic	Course content	Date & Duration	Location
1.	Cultivation of improved wheat varieties for rainfed and irrigated conditions	Improved varieties and their yield, Disease resistance Adaptability	September (One Day)	Salotri Peara
2.	Replacement of old varieties of oil seeds with high yielding varieties	High yielding varieties Disease & insect resistance Zero –Zero varieties Local germplasm and their management	June (One Day)	Challas Islamabad
3.	Scientific cultivation of maize hybrids recommended for mid hills of J&K	Hybrids for mid hills Seed treatment Merits of hybrids Adaptability & yielding potential of hybrids	April (One Day)	Mandi Ajote
4.	Scientific Cultivation of Paddy	Nursery raising techniques Weed management Balance use of Inorganic fertilizers Disease management	May (One Day)	Kheri Dalera
5.	Yield enhancement of pulses under rainfed and irrigated conditions	Importance of pulses Enhancement of area under pulses Improved varieties Insect pest resistance Disease management	October (One Day)	Magnar Alla Peer
6.	Estimation of cost & return on farm crops	Factors of production Calculation of Fixed & variable cost Calculation of imputed cost Calculation of net return, BC ratio	April (One Day)	Mandi Magnar Digwar
7.	Availing crop insurance against natural calamities	Types of crop insurance How to avail crop insurance Formalities in availing insurance	May (One Day)	Gulpur Dalera Chandak

2.1.2 Horticulture

S. No.	Topic	Course content	Date & Duration	Location
1.	Training and pruning in fruit plants	Objective of training & Pruning Training & pruning system Method of fruit thinning	December (One Day)	Mandi Dalera
2.	After care and maintenance of young fruit plants	Time of fert. Application Protection from cold Weeding & Hoeing Plant protection measure	December (One Day)	Mawndi Nangali
3.	Scientific cultivation of turmeric	Selection of varieties Raising technique Curing	April (One Day)	Digwar Nangali Magnad
4.	Nursery raising techniques of different vegetable crops in winter season	Selection of Sowing time Use of low cost poly house Technique of raising seedlings	December (One Day)	Jhallas Chandak Digwar
5.	Cultivation of marigold	Raising of nursery Selection of varieties Aftercare of plants	August (One Day)	Chandak Magnad

6.	Marketing of Plum & Pear	Grading and standardization Packing & Packaging Price determination Identification of market	June (One Day)	Mandi Surankote Islamabad
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2.1.3 Plant Protection

S. No.	Topic	Course content	Date & Duration	Location
1.	Rodent Pest Management in rice based cropping system	Nature of damage Habitat Management Physical Methods Chemical Control	May, (One Day)	Surankote Seri-Khawaja
2.	Implementation of Indigenous Technical knowledge in pest management	Citation of indigenous techniques prevailing in the area Compatibility with scientific techniques Standardization for effective management	March (One Day) March,2011	Mendhar Darra- Dullian Buffliaz
3.	Management of Anar Butterfly in wild Pomegranate	Identification of the pest Right time for the management Physical methods Chemical Methods	April (One Day)	Mankote Bhera Jhallas Chajala
4.	Seed treatment method in paddy for seed borne diseases	Identification of seed borne diseases Selection of right chemical for treatment Doses for treatment	May (One Day)	Lassana Kassalian
5.	Seed treatment for effective management for diseases in vegetables	Identification of seed borne diseases Selection of right chemical for treatment Doses for treatment	February, 2010 &2011 (One Day) September,2010	Chandak Jugaal

2.1.4 Agroforestry

S. No.	Topic	Course content	Date & Duration	Location
1.	Integrated commercial farming through Horti-agroforestry crops	Important horticultural crops to be taken under Agroforestry Layout, planting techniques and time of planting. Crops to be undertaken under Agroforestry.	April (One Day)	Digwar Mankot
2.	Tree crop combination for planting on farmers field	Crops & trees to be undertaken Stem Pruning in trees Concept of root pruning	June (One Day)	Magnad Chandak
3.	Agro-forestry as a sustainable enterprise	Concept of sustainability Crops & trees to be undertaken	August (One Day)	Dingla Loran
4.	Multipurpose trees: role and importance	Role Concept of MPT's Importance of MPT's MPT's for Poonch, time and techniques of planting	November (One Day)	Rajpura Digwar

2.1.5 Extension Education

S. No.	Topic	Course content	Date & Duration	Location
1.	Water harvesting techniques	Methods of water harvesting Concept of watershed Participatory approach	March (One Day)	Magnad Khari
2.	Income generating units for women in agriculture	Subsidiary enterprises Managing different enterprises	May (One Day)	Jhallas Salhotri
3.	Importance of seed treatment in commercial farming	Importance of seed treatment Methods of seed treatment	June (One Day)	Chandak Perra
4.	Leadership development in rural youth	Type of leaders How to increase leadership skills Role of leaders in rural development	August (One Day)	Khanetar Lassana
5	Co-operative Marketing for profitable agriculture	Formation of co-operatives Working of co-operatives. Benefits of cooperatives	October (One Day)	Surankot Ari
6	Organic farming of vegetables	Importance of organic farming Methods of production in organic farming	November (One Day)	Kunayian Gundi
7	Importance of Soil testing	Collection of soil samples Sources of soil testing Importance of soil testing.	December (One Day)	Aslamabad Nangali
8	Role of women in saving water at domestic level	Importance water in human life Methods of water saving Use of waste water	March (One Day)	Gulpur

2.1.6 Livestock Management

S. No.	Topic	Course content	Date & Duration
1.	Training on Dairy Management	Nutritional Management Sanitation Health & Care	April & August (2 Days)
2.	Training on Sheep Husbandry	Nutritional Management Sanitation Health & Care	May & October (2 days)

2.2. VOCATIONAL TRAININGS

S. No.	Topic	Location	Duration	No. of Participants
1.	Post harvest processing of tomato	On farm	1 Week	15
2.	Fabric Embroidery	On farm	1 Month	15
3.	Fruit Preservation	On farm	1 Week	15
4.	Mushroom Cultivation	On farm	1 Week	15
5.	Cutting and Tailoring	On farm	1 Week	15
6.	Maintaining Backyard Poultry	Off Campus	1 Week	15
7.	Bee Keeping	On Farm	1 Week	15
8.	Rearing of Chicks	Off Campus	1 Week	15

2.3. IN-SERVICE TRAININGS

S. No.	Topic	Date	Location	Duration	No. of Participants
1.	Role of Bio-technology in crop improvement	06-01-2010	On - Campus	1 day	15
2.	Climate change and agriculture: Impacts, adaptation and mitigation	17-02-2010	On - Campus	1 day	15
3.	Extension teaching methods for effective dissemination of agriculture technologies	17-03-2010	On - Campus	1 day	15
4.	Agroforestry for integrated land use	07-04-2010	On - Campus	1 day	15
5.	Motivation technique for effective transfer of technology	11-05-2010	On - Campus	1 day	15
6.	Prospect of Agriculture Insurance for small and marginal farmers	08-06-2010	On - Campus	1 day	15
7.	Importance of low glucosinolates and erucic acid in oil seeds	07-07-2010	On - Campus	1 day	15
8.	Eco-friendly pest management in vegetables	10-08-2010	On - Campus	1 day	15
9.	Role of bio-fertilizers in vegetable production	08-09-2010	On - Campus	1 day	15
10.	Carbon sequestration : A vision	06-10-2010	On - Campus	1 day	15

11.	Capacity building of extension personnel's in data collection techniques	09-11-2010	On - Campus	1 day	15
12.	Integration of organic farming systems for sustainable agriculture	08-12-2010	On - Campus	1 day	15
13.	Livestock Production Management	07-01-2011	On - Campus	1 day	15
14.	Off-season vegetable production techniques	24-02-2011	On - Campus	1 day	15
15.	Pesticide application techniques- Management criteria	22-03-2011	On - Campus	1 day	15

3. FLD'S TO BE LAID IN 2010-11 (PROPOSED)

Crops	Area (ha)
A) Cereals	
a) Maize	5.0
b) Rice	5.0
c) Wheat	3.0
B) Oil Seeds	
a) Mustard	2.0
b) Gobhi-Sarson	2.0
c) Toria	2.0
C) Pulses	
a) Lentil	2.0
b) Chickpea	2.0
Grand Total	35.0

4. FLD'S TO BE LAID IN 2010-11 FOR OILSEEDS AND PULSES (PROPOSED)

S. No.	Crop	Area (in ha)
A	OILSEEDS	
1.	Gobhi sarson	5.0
2.	Mustard	5.0
3.	Sesamum	1.0
Total		11.0
B	PULSES	
1.	Moong	2.0
2.	Mash	2.0
3.	Rajmash	1.0
4.	Lentil	2.0
5.	Chickpea	1.0
Total		8.0
GRAND TOTAL		19.00

5. OTHER EXTENSION ACTIVITIES

- Kissan Ghosties 08
- SAC meeting 2009 2
- Field Days Need based
- ZERAC Meeting 2009 1
- Base line survey of the district for identifying the thrust areas
- Study the need assessment of Bee Keepers & mushroom cultivators of the district
- **Awareness Programmes on mushroom cultivation and bee keeping**
- **Agri Clinical Camps: 05**
- **Veterinary Clinical Camps: 05**
- Radio/TV talks