

# ACTION PLAN

APRIL 2013 - MARCH 2014



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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

## TRAINING PROGRAMMES

### Farmers trainings

#### Crop Production (Plant Breeding & Genetics)

S. No.	Topic	Date	Venue	Clientele	Course outline	Participants
1.	Scientific Cultivation of Paddy	29 May	Dingla	farmers	<ul style="list-style-type: none"> <li>• High yielding var. of paddy.</li> <li>• Nursery sowing techniques.</li> <li>• Recommended dose of fertilizers.</li> <li>• Application of weedicides.</li> </ul>	20
2.	Scientific Cultivation of Maize	29 April	Chandak	farmers	<ul style="list-style-type: none"> <li>• High yielding varieties of Maize.</li> <li>• Application of Inorganic &amp; Organic fertilizers.</li> <li>• Seed rat etc.</li> </ul>	20
3.	Scientific cultivation for Kharif fodder crops (Sorghum)	12 July	Bandichan	Farmer	<ul style="list-style-type: none"> <li>• Agronomic practices.</li> <li>• Seed rate.</li> <li>• Different fodder varieties.</li> </ul>	20
4.	Perennial grasses cultivation in hills	15 July	Dara	Farmer	<ul style="list-style-type: none"> <li>• Selection of perennial grasses.</li> <li>• Methods of propagation.</li> <li>• Types.</li> <li>• Disease.</li> </ul>	20
5.	High yielding varieties of oilseeds	13 Aug.	Digwar	farmers	<ul style="list-style-type: none"> <li>• Oilseed crops for Poonch.</li> <li>• High oil content varieties.</li> <li>• Mgmt. of Diseases.</li> <li>• Seed rate etc.</li> </ul>	20
6.	Pulses Production in Poonch	05Sept.	Banpat	farmers	<ul style="list-style-type: none"> <li>• Rabi Pulses for Poonch.</li> <li>• High yielding &amp; disease resistant varieties .</li> <li>• Mgmt. of weeds in pulses etc.</li> </ul>	20
7.	Seed Production of fodder crops	09 Oct.	Madari	Farmer	<ul style="list-style-type: none"> <li>• Agronomic practices.</li> <li>• Seed rate.</li> <li>• Different fodder varieties.</li> </ul>	20
8.	Seed Production of pulses	12 Nov.	Khari	Farmer	<ul style="list-style-type: none"> <li>• Requirement for seed production.</li> <li>• Precaution for seed production.</li> <li>• Technical knowhow.</li> </ul>	20
9.	High Yielding varieties of Peas	11 Dec.	Kuniyan	Farmer	<ul style="list-style-type: none"> <li>• Seed rate.</li> <li>• Powdery mildew resistant varieties.</li> <li>• Genetically modified varieties.</li> <li>• Vegetable pea &amp; field pea etc.</li> </ul>	20
10.	Crop Diversification	08 Jan. 2014	Loran	Farmer	<ul style="list-style-type: none"> <li>• Importance of crop diversification.</li> <li>• Need of crop diversification.</li> <li>• Economic of crop diversification.</li> <li>• Better Mgmt. of diversified crops.</li> </ul>	20

## Horticulture

<b>S. No</b>	<b>Topic</b>	<b>Date</b>	<b>Venue</b>	<b>Clientele</b>	<b>Course outline</b>	<b>Participants</b>
1.	Scientific cultivation of Gladiolus	16 April	Bandichian	Farmers	- Time of sowing. - Seed treatment. - Proper spacing.	20
2.	Disease free nursery raising technique in vegetables	11 Sept.	Magnar	farmers	- Preparation of raised bed. - Seed treatment. - Line sowing.	20
3.	Scientific cultivation of Vegetables	18 Sept	Mendhar	Farmers	- Preparation of beds and laying of nursery. - Scientific cultivation.	20
4.	Pruning and training of Fruit plants	19 Dec	Mandi	farmers	- Selection of right time . - Scientific way of pruning. - Canopy management.	20
5.	Role of horticulture in diversification	07 Jan. 2014	Sawjian	farmers	- Adoption of horticulture based cropping system. - Value addition. - Source of income generation.	20

## Plant Protection

<b>S. No.</b>	<b>Title of Training</b>	<b>Date</b>	<b>Venue</b>	<b>Clientel e</b>	<b>Course outline</b>	<b>Partic ipants</b>
1	Insect Pest Management in Apple	20 June 16 July 19 July	Bandi Chechian Sib Sabjian	farmers	- Identification of major pests ETL of pests. - Physical, Mechanical & Cultural methods.	20
2	Integrated Pest management in Maize & Rajmash under mixed cropping	May 23 July 30 July	Madari Gali Pindi Chandi Marh	farmers	- Identification of the pest. - Seed treatment. - Spray schedule.	20
3	Integrated Pest Management in Vegetable Crops	16 May 27 Aug. 13 Sept	Chandak Ucchad Adi	farmers	- Harmful effects in vegetables - Time of application. - Use of pesticides having led residual effect.	20
4	Insect pest & disease management in Paddy nursery	22 July 31 July	Draba Seri Khwaja	farmers	- Identification of major pests ETL of pests. - Physical, Mechanical & Cultural methods.	20
5	Selection of Pesticides for successful management of Pests & Diseases	19 August 06 March 2014	Buffliaz Adi	farmers	- Concept of Insecticides, fungicides, nematicides & weedicides. - Selection of right chemical.	20
7.	Wilt Management in chillies	27 June	KVK	farmers	- Seed Treatment. - Method of planting seedling, treat or drenching.	20
8.	Disease Management in Maize	30 June 29 July	Doakri	farmers	- Seed treatment. - Use of pesticides.	20
9.	Disease Management in Rajmash	29 July	Loran	farmers	- Seed treatment. - Management strategies of different diseases.	20
10.	Insect Pest Management in Wheat Crop	06 Dec 11 Feb 2014 19 Feb.2014	Mendher Balkot Kamsar	farmers	- Seed treatment. - Use of pesticides.	20

## Extension Education

<b>S. No.</b>	<b>Topic</b>	<b>Date</b>	<b>Venue</b>	<b>Clientele</b>	<b>Course outline</b>	<b>Partic ipants</b>
1	Income generating units for rural youths	09 Aug.	Surankot	Farmers	- Subsidiary enterprises. - Managing different enterprises.	20
2.	Seed treatment in commercial farming	26 June	Banwat	Farmers	- Seed treatment chemicals. - Seed treatment in vegetables. - Seed treatment in cereals.	20
3	Loan /credit facilities for agriculture.	12 Sept.	Balakot	Farmers	- Sources of agriculture Credit. - Facilities/Schemes like KCC etc.	20
4	Central Sponsored schemes for Sheep & Goat for upliftment of Scheduled Tribes.	25 Sept.	Buffliaz	Farmers	- Improved breeds. - Loan facilities. - Wool Quality. - Mutton products.	20
5	Marketing strategies for Kharif crops	11 Oct.	Digwar	Farmers	- Seeking Market information ./intelligence . - Concept of Future Trading. - How to trade in commodity futures.	20
6	Availing crop insurance against natural calamities	23 Oct	Bandi Chichian	Farmers	-Types of crop insurance. -How to avail crop insurance. -Formalities in availing insurance.	20

## Animal Sciences

S.No.	Topic	Month	Location	Course outline	Duration	Participants
1.	Income generation through backyard poultry	22 Aug.	Balakot	<ul style="list-style-type: none"> <li>- Importance of backyard poultry.</li> <li>- Different breeds etc.</li> </ul>	One day	20
2	Clean milk production	27 Aug.	Mendhar	<ul style="list-style-type: none"> <li>- Importance of clean milk production.</li> <li>- Clean milk production techniques.</li> <li>- Transportation techniques of milk.</li> </ul>	One day	20
3	Deworming in farm animals	06 Sept	Surankot	<ul style="list-style-type: none"> <li>- Various types of endoparasites.</li> <li>- Natural and economic loss by endoparasites.</li> <li>- Management.</li> </ul>	One day	20
4	Infertility in farm animals	17 Sept.	On Campus	<ul style="list-style-type: none"> <li>- Awareness on infertility.</li> <li>- Prevention of infertility.</li> <li>- Treatment of infertility.</li> </ul>	One day	20
5	Income generation through Sheep & Goat rearing	31 Sept.	Buffliaz	<ul style="list-style-type: none"> <li>- Importance of meat in human diet.</li> <li>- Different breeds of Goat &amp; Sheep.</li> </ul>	One day	20
6	Fish Production Technology	08 Oct.	On-farm	<ul style="list-style-type: none"> <li>- Importance of fish production.</li> <li>- Category of fishes etc.</li> </ul>	One day	20
7	Improved breeds of Goat and Sheep for quality meat production.	15 Oct.	Chandimarh	<ul style="list-style-type: none"> <li>- Improved breeds of Goat &amp; Sheep.</li> <li>- Importance of meat in human diet.</li> </ul>	One day	20
8	Common metabolic diseases in Dairy animals and their management.	23 Oct.	Magnar	<ul style="list-style-type: none"> <li>- Various types of common metabolic diseases in dairy animals.</li> <li>- Prevention of common diseases.</li> </ul>	One day	20
9	Feed and fodder management in milch animals.	16 Nov.	Khadi	<ul style="list-style-type: none"> <li>- Importance of balance ration.</li> <li>- Balance ration for milch animals.</li> </ul>	One day	20

## 2. Vocational Trainings

S.No.	Topic	Month	Venue	Clientele	Course outline	Duration	Participants
1.	Quality Seed Production of Wheat crop	2 days Feb 19-20, 2014	On-farm	Rural youths	<ul style="list-style-type: none"> <li>- Quality of seed/breeder seed, foundation seed etc.</li> <li>- Class of seed.</li> <li>- Precaution to be taken for quality seed production.</li> <li>- Quality parameter in wheat crop.</li> <li>- TL seeds.</li> </ul>	2 days	20
2.	Value added products of vegetables, fruits, mushroom etc.	3,4,5 Sept.	On-farm	Rural youths	<ul style="list-style-type: none"> <li>- Nutrient and therapeutic value of different fruits .</li> <li>- Role of vitamin C in diet.</li> </ul>	3 days	20
3.	Mushroom cultivation techniques	18,19,20 Sept.	On – farm	Rural youths	<ul style="list-style-type: none"> <li>- Cultivation of different mushroom.</li> <li>- Importance of mushroom in human diet.</li> <li>- Management of diseases.</li> <li>- Film show.</li> </ul>	3 days	20
4.	Composite fish culture	21-27 Oct.	On-farm	Rural youths	<ul style="list-style-type: none"> <li>- Nutrients value of fishes.</li> <li>- Different types of fishes.</li> <li>- Management</li> </ul>	07 days	20
5.	Bee Keeping	24,25,26 July	On-farm	Rural youths	<ul style="list-style-type: none"> <li>- Types of Honey bee.</li> <li>- Domestic able bee under Poonch condition.</li> <li>- Honey bee flora in Poonch.</li> <li>- Parts of Hive.</li> <li>- Management in apiary.</li> </ul>	3 days	20
6.	Poultry farm management	11-12 Sept.	On-farm		<ul style="list-style-type: none"> <li>- Poultry feeding.</li> <li>- Common diseases.</li> <li>- Care and management.</li> </ul>	2 days	20



### 3. IN-SERVICE TRAININGS

S.No.	Topic	Month	Venue	Clientele	Course outline	Durati on	Partic ipants
1	Management of Stored Grains Pests	21 June.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Identification of stored grain insect pests.</li> <li>- Different storage structures.</li> <li>- Causes of stored grain losses.</li> <li>- Management strategies.</li> </ul>	1 Day	15
2	Plant disease management in Kharif crops	20 June	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Different diseases in Kharif crops.</li> <li>- Losses caused by diseases.</li> <li>- Management strategies.</li> </ul>	1 Day	15
3	Role of Plant Breeding in increasing food grain production.	15 July	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Improved varieties of cereals.</li> <li>- Hybrid varieties of cereals.</li> <li>- Pre &amp; Post green revolution varieties.</li> <li>- Quality Parameters of good varieties of cereals/pulses.</li> </ul>	1 Day	15
4	Genetically Modified crops(GMP) & their scope in India	27 Aug.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Genetically Modified crops in India.</li> <li>- Important varieties of Genetically Modified crops.</li> <li>- Scope of Genetically Modified crops in India.</li> <li>- Future of Genetically Modified crops.</li> <li>- Merits of Genetically Modified crops and their demerits.</li> </ul>	1 Day	15
5	Integrated Pest Management in Horticulture Crops	08 Aug.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Different insect pests of horticultural crops in Poonch.</li> <li>- Concepts of Integrated Pest Management.</li> <li>- Management of insect pests using IPM modular.</li> </ul>	1 Day	15
6	Plant disease management in vegetables	23Aug.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Different diseases in vegetables.</li> <li>- Losses caused by diseases.</li> <li>- Management strategies.</li> </ul>	1 Day	15
7	Eco-friendly pest management	10 Oct.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Effect of Pesticides or ecosystem.</li> <li>- Concept of eco-friendly pest management.</li> <li>- Selection of pesticides for eco-friendly insect pest management.</li> </ul>	1 Day	15
8	Use of Plant Products in Insect Pest Management	05 Nov.	On-Campus	Extension functionaries	<ul style="list-style-type: none"> <li>- Types of insecticides.</li> <li>- Role of Plant Products in IPM.</li> <li>- Mode of Action.</li> </ul>	1 day	15

## ON-FARM TRIALS (OFT's)

### A. CROP PRODUCTION

a) Evaluation of Paddy varieties

Treatment I : K-343

Treatment III : Paddy 6129

b) Effect of seed rate on the productivity of High Yielding varieties of wheat.

Treatment I : Seed rate @ 40 kg/ha

Treatment II : Seed rate @ 48 kg/ha

Treatment III : Seed Rate @ 52kg /kg

### B. PLANT PROTECTION

a) Management of San Jose scale in Apple

Treatment I : Farmers Practice (No chemical)

Treatment II : Horticulture oil + Quinalphos

Treatment III : Horticulture oil + Chlorpyriphos

b) Insect Pest Management in Cucumber

Treatment I : Farmers Practice (Endosulphan)

Treatment II : Monocrotophos

Treatment III : Quinalphos

c) **Management of Smuts in Maize**

Treatment 1: No seed treatment

Treatment 2: Seed treatment with Captan

### Front Line Demonstrations to be laid in (2012-13)

Crops	Area (ha)	Field Days
<b>A) Cereals</b>		
a) Maize	10.00	03
b) Paddy	6.00	02
c) Wheat	10.00	03
<b>B) Oil Seeds</b>		
a) Mustard	01.00	01
b) Gobhi Sarson	01.00	02

<b>C) Pulses</b>		
a) Rajmash	03.00	02
D) Fodder (Oats)	02.00	01
E) Chicks (Backyard Poultry)	1000	-
<b>Grand Total</b>	<b>32.00</b>	<b>14</b>

## **OTHER EXTENSION ACTIVITIES**

- Kisan Ghosties 02
- SAC meeting 02
- Field Days Need based
- Base line survey of the district for identifying the thrust areas
- Awareness Programmes/Campaigns 05
- Agri-clinic/Veterinary camps 02
- Radio/TV talks Need Based