

PROGRESS REPORT

(APRIL –SEPT. 2019)

NAME OF KVK: KRISHIVIGYAN KENDRA, DATAGANJ (BADAUN-II)

I. Frontline Demonstrations

| i) Crop | | Area (ha) | No. of demonstrations |
|---------------|------------------|--------------|-----------------------|
| Cereal | | | |
| Paddy | Plant Protection | 4.00 | 10 |
| Sugarcane | Plant Protection | 4.00 | 10 |
| Paddy | Soil Science | 4.00 | 10 |
| Total | | 12.00 | 30 |

II. ON FARM TRIAL

| i) Crop | | Area (ha) | No. of demonstrations |
|---------------|------------------|-------------|-----------------------|
| Cereal | | | |
| Paddy | Plant Protection | 1.00 | 05 |
| Paddy | Soil Science | 1.00 | 05 |
| Total | | 2.00 | 10 |

III. Training

| Area of training | No. of courses | Farmers training | | | Rural youths | | | Extension functionaries | | |
|------------------|----------------|------------------|----------|------------|--------------|----------|-----------|-------------------------|---|-----------|
| | | M | F | Total | M | F | Total | M | F | Total |
| Plant protection | 11 | 120 | - | 120 | 20 | - | 20 | 30 | - | 30 |
| Soil Science | 15 | 180 | - | 180 | 30 | - | 30 | 30 | - | 30 |
| Total | 26 | 300 | - | 300 | 50 | - | 50 | 60 | | 60 |

IV. Extension activities conducted and participated by KVK

| Activities | No. of programmes | No. of farmers | No. of Extension personnel |
|-------------------|-------------------|----------------|----------------------------|
| Advisory services | 430 | 430 | 95 |
| Diagnostic visits | 35 | 135 | 08 |
| Field day | 02 | 38 | |
| Group discussions | | | |
| Kisangosthi | 02 | 250 | |
| Film Show | | | |
| Self-help groups | | | |
| Kisanmela | 04 | 876 | |

| | | | |
|--|-----|------|--|
| Exhibition | 01 | Mass | |
| Scientists' visit to farmers field | 26 | 202 | |
| Farmers visit to KVK plant/animal health camps | 255 | 255 | |
| Farm science club | | | |
| Ex-trainees sammelan | | | |
| Farmers' seminar/workshop | | | |
| Method demonstrations | | | |
| Special day celebration | 02 | 87 | |
| Exposure visits | | | |
| Others | | | |

V. Scientific advisory committee meetings conducted

| No. of SAC | Date of SAC | No. of line-department participation |
|------------|-------------|--------------------------------------|
| 01 | 05.03.2019 | 05 |

| | | | |
|--|----|-----|----------|
| District Level Farmers Awareness Programme | 01 | 125 | 11.10.19 |
|--|----|-----|----------|

VI. Result of OFT of Plant Protection crop- Paddy cultivar-PUSA-1

| Technology | No. of Results | Yield (q/ha) | % increase in yield | Effect of stem borer | Net profit (Rs./ha) | B:C Ratio |
|------------|-------------------------|--------------|---------------------|----------------------|---------------------|-----------|
| T1 (Local) | 01 (On 5 farmers field) | 42.15 | - | 12-15 | 59988 | 2.51 |
| T2 | | 46.20 | 9.60 | 08-10 | 68880 | 2.67 |
| T3 | | 52.40 | 24.31 | 0-8 | 79732 | 2.86 |

Treatment 1 : Monocrotophos 36 SL @1 lit/ha

Treatment 2 : Fipronil 0.3 % @ 25 kg/ha

Treatment 3 : Cartap hydrochloride 4G@ 18 kg/ha

VII. Result of FLD of Plant Protection crop- Paddy cultivar-PUSA-1

| Technology | No. of Results | Yield (q/ha) | % increase in yield | Effect of blast disease | Net profit (Rs./ha) | B:C Ratio |
|------------|--------------------------|--------------|---------------------|-------------------------|---------------------|-----------|
| T1 (Local) | 01 (On 10 farmers field) | 45.09 | - | 12-15 | 56988 | 2.51 |
| T2 | | 55.67 | 23.46 | 06-08 | 66880 | 2.67 |

Treatment 1 : Carbendazim 50WP @ 500g/ha

Treatment 2 : Tricyclazole @ 300 g/ha

VIII. FLD of Kharif- 2019

Effect of foliar application of Micronutrients on paddy

(3.3.1) Result of FLD of Soil Science crop- Paddy cultivar- PUSA-1509

| Treatments | Yield (q/ha) | Cost (RS./ha) | Incom (RS./ha) | Benefit (RS./ha) | B:C Ratios |
|------------|--------------|---------------|----------------|------------------|------------|
| Demo* | 46.95 | 28125 | 85214 | 57089 | 2.29 |
| Local** | 34.50 | 25787 | 62618 | 36830 | 1.80 |

* 2 spray (40 & 55 DAT) of 0.25% ZnSO₄ + 0.25% FeSO₄ + 0.20% Boron

** Farmers Practice (ZnSO₄ @ 15 kg/ha)

(3.4) OFT of Kharif- 2019

Micronutrients Deficiency disease management by foliar application of on paddy (cultivar- PUSA-1509)

| Treatments | Yield (q/ha) | Cost (RS./ha) | Incom (RS./ha) | Benefit (RS./ha) | B:C Ratios |
|------------|--------------|---------------|----------------|------------------|------------|
| T1 | 36.49 | 26460 | 66229 | 39769 | 2.50 |
| T2 | 47.89 | 27443 | 86920 | 59477 | 3.17 |
| % Increase | 31.2 | 3.7 | 31.2 | 49.6 | 26.5 |

T1- Farmers Practice (ZnSO₄ @ 15 kg/ha)

T2-2 spray (40 & 55 DAT) of 0.25% ZnSO₄ + 0.25% FeSO₄ + 0.20% Boron

Details of Training Programme (April to June-2019)

(B) Plant Protection

| S.N. | Title | Date | Period (days) | Type | No. of Trainees |
|------|---|------------|---------------|------|-----------------|
| 1. | Disease & insect management in sugarcane | 25.04.2019 | 01 | PF | 20 |
| 2. | Impact of protective sprays in paddy | 10.05.2019 | 01 | PF | 20 |
| 3. | Significance of seed treatment in Paddy | 20.05.2019 | 01 | PF | 20 |
| 4. | Significance of biological control in sugarcane | 25.05.2019 | 01 | EF | 10 |

(B) Soil Science

| S.N. | Title | Date | Period (days) | Type | No. of Trainees |
|------|--|----------|---------------|------|-----------------|
| 1. | Use and importance of green manuring | 07.04.19 | 01 | PF | 20 |
| 2. | Green manuring | 10.04.19 | 01 | PF | 20 |
| 3. | Soil sampling methods and its importance | 18.04.19 | 01 | PF | 20 |
| 4. | Summer ploughing | 11.05.19 | 01 | PF | 20 |

| | | | | | |
|----|---|------------------|----|----|----|
| 5 | Nutrient management in paddy on basis of soil testing | 26.05.19 | 01 | PF | 20 |
| 6 | Soil health card and importance of its parameter | 20.06.19 | 01 | PF | 20 |
| 7 | Soil Testing | April. 5-9, 2019 | 05 | RY | 10 |
| 8 | NADAP and Vermicomposting | May 24-28, 2019 | 05 | RY | 10 |
| 9 | Management of problematic soil | 5.04.2019 | 01 | EF | 10 |
| 10 | Soil health card and importance of its parameters | 12.06.2019 | 01 | EF | 10 |

(A) Plant Protection (July to September-2019)

| S.N. | Title | Date | Period (days) | Type | No. of Trainees |
|------|--|-------------------|---------------|------|-----------------|
| 1. | Disease & insect management in Paddy | 15.07.2019 | 01 | PF | 20 |
| 2. | Integrated pest management in Paddy | 17.07.2019 | 01 | EF | 10 |
| 3. | Integrated pest management in urd | 20.08.2019 | 01 | PF | 20 |
| 4. | Integrated pest & nutrient management in Mustard | 04.09.2019 | 01 | PF | 20 |
| 5. | Production technology of mushroom | Sept. 10-14, 2019 | 05 | RY | 10 |
| 6. | Bee Keeping and their Management | Sept. 16-20, 2019 | 05 | RY | 10 |
| 7. | Production technology of mushroom | 26.09.2019 | 01 | EF | 10 |

(B) Soil Science

| S.N. | Title | Date | Period (days) | Type | No. of Trainees |
|------|---|-------------------|---------------|------|-----------------|
| 1. | Integrated nutrient management in paddy | July3, 2019 | 01 | PF | 20 |
| 2. | Nutrient mgt. in Mustard | Sept.06, 2019 | 01 | PF | 20 |
| 3. | Increasing nutrient use efficiency in paddy crop | Aug.8, 2019 | 01 | PF | 20 |
| 4. | Soil testing | Sept. 23-27, 2019 | 05 | RY | 10 |
| 5. | Method of application of nutrient to increase nutrient use efficiency | 30.09.2019 | 01 | EF | 10 |