

**KRISHI VIGYAN KENDRA BARH, PATNA**  
**24<sup>th</sup> Extension Council Report, 2022-23**  
**October- 2022 to March- 2023**

**1. Staff Position (Only S.S & H and S.M.S)**

| S. N. | Name                 | Post                    | Specialization      | Date of joining | Mobile No. |
|-------|----------------------|-------------------------|---------------------|-----------------|------------|
| 1.    | Dr. Kumari Sharda    | Senior Scientist & Head | Home Science        | 07.05.2012      | 7549476543 |
| 2.    | Dr. Mrinal Verma     | SMS,                    | Agril. Engineering  | 25.07.2007      | 9431266300 |
| 3.    | Dr. Bishnu Deo Singh | SMS                     | Extension Education | 20.12.2007      | 9430806435 |
| 4.    | Sri Rajeev Kumar     | SMS                     | Soil Science        | 12.04.2012      | 9835133147 |

**2. A. Achievement of training program for Farmer (ON/OFF)**

| S. No. | Discipline         | Course no. | No. of Beneficiaries |            |            |           |            |            |
|--------|--------------------|------------|----------------------|------------|------------|-----------|------------|------------|
|        |                    |            | Others               |            | SC/ST      |           | Total      |            |
|        |                    |            | M                    | F          | M          | F         | M          | F          |
| i      | Home Science       | 02         | 38                   | 42         | 04         | 06        | 42         | 48         |
| ii     | Agril. Engineering | 09         | 298                  | 49         | 24         | 06        | 322        | 55         |
| iii    | Extension Edu.     | 08         | 38                   | 72         | 13         | 26        | 51         | 98         |
| iV     | Soil Science       | 16         | 216                  | 50         | 65         | 18        | 281        | 68         |
|        | <b>Total</b>       | <b>35</b>  | <b>590</b>           | <b>213</b> | <b>106</b> | <b>56</b> | <b>696</b> | <b>269</b> |

**B. Training Program for Rural Youth (ON/OFF)**

| S. No. | Discipline         | Course no. | No. of Beneficiaries |           |           |           |            |           |
|--------|--------------------|------------|----------------------|-----------|-----------|-----------|------------|-----------|
|        |                    |            | Others               |           | SC/ST     |           | Total      |           |
|        |                    |            | M                    | F         | M         | F         | M          | F         |
| i      | Home Science       | 02         | 37                   | 06        | 13        | 02        | 50         | 08        |
|        | Extension Edu.     | 05         | 53                   | 09        | 12        | 04        | 65         | 13        |
|        | Agril. Engineering | 01         | 21                   | 03        | 0         | 0         | 21         | 03        |
|        | Soil Science       | 01         | 20                   | 07        | 02        | 0         | 22         | 07        |
|        | <b>Total</b>       | <b>09</b>  | <b>131</b>           | <b>25</b> | <b>27</b> | <b>06</b> | <b>158</b> | <b>31</b> |

**C. Training Program for Extension Functionaries (ON/OFF)**

| S. No. | Discipline         | Course no. | No. of Beneficiaries |           |           |           |           |           |
|--------|--------------------|------------|----------------------|-----------|-----------|-----------|-----------|-----------|
|        |                    |            | Others               |           | SC/ST     |           | Total     |           |
|        |                    |            | M                    | F         | M         | F         | M         | F         |
| I      | Home Science       | 02         | 0                    | 12        | 0         | 04        | 0         | 16        |
| ii     | Agril. Engineering | 01         | 17                   | 04        | 0         | 0         | 17        | 04        |
| iii    | Extension Edu.     | 02         | 02                   | 25        | 02        | 07        | 04        | 32        |
|        | Soil Science       | 01         | 12                   | 03        | 0         | 0         | 12        | 03        |
|        | <b>Total</b>       | <b>06</b>  | <b>31</b>            | <b>44</b> | <b>02</b> | <b>11</b> | <b>33</b> | <b>55</b> |

**D. Sponsored training program (ON/OFF)**

| S. No. | Discipline   | Course no. | No. of Beneficiaries |    |       |    |       |   |
|--------|--------------|------------|----------------------|----|-------|----|-------|---|
|        |              |            | Others               |    | SC/ST |    | Total |   |
|        |              |            | M                    | F  | M     | F  | M     | F |
| i      | Home Science | 02         | 37                   | 12 | 17    | 07 |       |   |

|            |                    |           |            |            |            |            |             |            |
|------------|--------------------|-----------|------------|------------|------------|------------|-------------|------------|
| <b>ii</b>  | Agril. Engineering | 03        | 212        | 0          | 26         | 0          | 238         | 0          |
| <b>iii</b> | Extension Edu.     | 13        | 586        | 165        | 126        | 97         | 972         | 282        |
| <b>iv</b>  | Soil Science       | 02        | 73         | 13         | 24         | 0          | 97          | 13         |
|            | <b>Total</b>       | <b>20</b> | <b>908</b> | <b>190</b> | <b>193</b> | <b>104</b> | <b>1307</b> | <b>295</b> |

\* Sponsored by ATMA, Patna, State Department of Agriculture, BAMETI, Patna, Jal Shakti Abhiyan

#### **E. Special Program.**

| <b>S. No</b> | <b>Name of Programme</b>                                            | <b>Date of Programme</b> | <b>Place of Programme</b> | <b>No. of Participant</b> | <b>Visit of VIPs.</b>                           |
|--------------|---------------------------------------------------------------------|--------------------------|---------------------------|---------------------------|-------------------------------------------------|
| 1            | Swachhta Hi Sewa Hai                                                | 01.10.2022               | KVK, Barh                 | 35                        | -                                               |
| 2            | Mahila Kisan Diwas                                                  | 15.10.2022               | KVK, Barh                 | 84                        | -                                               |
| 3            | PM Kisan Samman Sammela                                             | 17.10.2022               | KVK, Barh                 | 233                       |                                                 |
| 4            | Jal Shakati Abhiyan cum Crop Residue Management Awareness Programme | 19.11.2022               | Kanchanpur, Bihta         | 63                        | -                                               |
| 5            | TB Challenges                                                       | 03.12.2022               | KVK, Barh                 | 37                        | -                                               |
| 6            | World Soil Day                                                      | 05.12.2022               | KVK, Barh                 | 71                        | Sri, Vijay Shankar, Jila Parishad, Member, Barh |
| 7            | Kisan Diwas                                                         | 23.12.2022               | KVK, Barh                 | 59                        | -                                               |
| 8            | International Women Day                                             | 08.03.2023               | KVK, Barh                 | 57                        | -                                               |

#### **3. (A) Front Line Demonstration, 2022-23**

| <b>Crop</b>  | <b>Variety</b> | <b>No./Area (ha)</b> | <b>Season</b> | <b>Village &amp; Block</b> | <b>Beneficiary</b> |           |              |
|--------------|----------------|----------------------|---------------|----------------------------|--------------------|-----------|--------------|
|              |                |                      |               |                            | <b>SC</b>          | <b>ST</b> | <b>Other</b> |
| Barly        |                | 02                   | Rabi          | Ranabigha, Agwanpur        | 0                  | 0         | 07           |
| Onion        |                | 2.5                  | Rabi          | Majhla Bigha, Pandarak     | 03                 | 0         | 10           |
| Napier Grass |                | 12                   |               |                            | 07                 | 0         | 35           |

**(B) Performance of the demonstration under Cluster Front Line Demonstration, 2022-23**

[illegible]

#### 4. SCSP, Programme

| Crop             | Variety              | No./Area (ha) | Village & Block                              | Beneficiary SC |
|------------------|----------------------|---------------|----------------------------------------------|----------------|
| Chicks           | Banraja & Gram Priya | 1000          | Mishrichak, Lalitpur, Ranabigha              | 50             |
|                  | Sonali               | 850           | Mishrichak                                   | 43             |
| Storage Bin      |                      | 100           | Lodipur, Danapur, Patna sadar                | 100            |
| Pashu Chocolate  |                      | 46            | Barh, Pandarak, Bakhtiyarpur, Mokama, Belchi | 23             |
| Memana Chocolate |                      | 24            | Barh, Pandarak                               | 12             |
| Mineral Mixture  |                      | 24            | Barh, Pandarak, Athmalgola, Mokama, Belchi   | 23             |
| Sewing Machine   |                      | 65            | Barh, Pandarak, Athmalgola, Belchi           | 65             |

#### 5. Natural Farming

##### (A) Training & Awareness Programme

| Sl. No. | Type of Programme   | Date       | Place/ Village          | No. of Beneficiaries |        | Total |
|---------|---------------------|------------|-------------------------|----------------------|--------|-------|
|         |                     |            |                         | Male                 | Female |       |
| 1       | Awareness Programme | 27.03.2023 | Manjhla Bigha, Pandarak | 116                  | 01     | 117   |
| 2       | Awareness Programme | 28.03.2023 | KVK, Barh               | 07                   | 45     | 52    |
| 3       | Awareness Programme | 21.04.2023 | Pandarak                | 17                   | 07     | 27    |

##### (B) Demonstrations

| Sl. No. | Crop     | Variety | Area (acre) | Date of sowing | Remarks (if any) |
|---------|----------|---------|-------------|----------------|------------------|
| 1       | Chickpea | PG-186  | 2.0         | 26.11.2022     | 16.03.2023       |

#### 6. Millets Report

##### Reporting of the activities undertaken during the celebration of International Year of Millets 2023

| Sr. No. | Name of the Institute/ University/ AICRP/ KVK | Activity (Field day/ Kisan Mela/ Training/ Seminars/ Symposium/ Awareness programmes and other activities) | No. of stakeholders (Farmers/ Govt. officials/ Students/ Industry representatives) | Name of event where millet meals/ products served with no. of participants |
|---------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1.      | KVK, Barh, Patna                              | Awareness programme on millets                                                                             | 145                                                                                | 2                                                                          |
| 2.      |                                               |                                                                                                            |                                                                                    |                                                                            |

## 7. Community Radio Station (91.2 FM)

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Name of CR:                           | Community Radio Station, Barh, Patna |
| Frequency:                            | 91.2 Mhz                             |
| Establishment Date:                   | 31 <sup>st</sup> May 2011            |
| Total hours of transmission in a day: | 07 hrs                               |
| Coverage Area:                        | 20 km Ariel distance                 |

### (B) प्रसारित होने वाले कार्यक्रम :-

| क्र. सं. | संचालित कार्यक्रम           | प्रसारण अवधि (मिनट) | प्रसारण समय |
|----------|-----------------------------|---------------------|-------------|
| 1        | कोविड-19                    | 60                  | सुबह        |
| 2        | कुपोषण                      | 60                  |             |
| 3        | कृषक मंच                    | 45                  |             |
| 4        | लोकरंग                      | 15                  |             |
| 5        | स्वास्थ्य बाण               | 30                  |             |
| 6        | कोविड-19                    | 60                  | दोपहर       |
| 7        | कुपोषण                      | 60                  | संध्या      |
| 8        | कृषक मंच                    | 30                  |             |
| 9        | स्वास्थ्य चर्चा / महिला जगत | 15                  |             |
| 10       | लोकरंग                      | 15                  |             |
| 11       | स्वास्थ्य बाण               | 30                  |             |

## 8. Resource Generation

| S.No.        | Name of the programme     | Purpose of the programme | Amount             |
|--------------|---------------------------|--------------------------|--------------------|
| 1            | Rawe Programme            | Rawe Student Fee         | 60,000.00          |
| 2            | Bank Interest             | Bank Interest            | 1,77,391.00        |
| 3            | Kisan Ghar/ Training Hall | Training Programme       | 67,175.00          |
| 4            | CRS Smart New Delhi       | TB Challenges            | 1,67,580.00        |
| <b>Total</b> |                           |                          | <b>4,75,146.00</b> |

## 9. Revenue Generation

| S.No.        | Name of Head         | Income(Rs.)         |
|--------------|----------------------|---------------------|
| 1.           | Seed                 | 22,13,652.00        |
| 2.           | Straw                | 44,000.00           |
| 3.           | Other Farm Produce   | 39,786.00           |
| 4.           | Soil Test            | 1,35,300.00         |
| 5.           | Saplings             | 5,000.00            |
| 6.           | Mango Garden Auction | 2,55,000.00         |
| 7.           | Krishak Sandesh      | 1,05,000.00         |
| 8.           | Mushroom Spown       | 26,750.00           |
| <b>Total</b> |                      | <b>28,24,488.00</b> |

**10. Revolving Fund**

| Year    | Opening balance as on 1 <sup>st</sup> April | Income during the year | Expenditure during the year | Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash) |
|---------|---------------------------------------------|------------------------|-----------------------------|----------------------------------------------------------------------------|
| 2022-23 | 5591536.05                                  | 3260163.00             | 1874493.0                   | 6977206.05                                                                 |

**11. Awardee Frames**

| Sl. No. | Name of the Award | Name of the Farmer | Year | Conferring Authority | Amount      | Purpose                        |
|---------|-------------------|--------------------|------|----------------------|-------------|--------------------------------|
| 1       | Best Farmer Award | Sri Satendra Kumar | 2021 | BAU, Sabour          | Certificate | Best Farmer of Patna District. |
| 2       | Best Farmer Award | Sri Ramesh Ranjan  | 2022 | BAU, Sabour          | Certificate | Best Farmer of Patna District. |

**12. One District One Crop**

| Title of Training               | No. of Training | Duration | Venue OFF/On Campus | No. of Participants |   |   |
|---------------------------------|-----------------|----------|---------------------|---------------------|---|---|
|                                 |                 |          |                     | M                   | F | T |
| Scientific cultivation of onion | 01              | 04       | ON                  | 40                  |   |   |

### 13. A. Climate Resilient Agriculture Programme

#### Progress report of Rabi Season -2022-23

| Crop     | Variety   | Name of the technology demonstrated | No. of Farmers | Area (acre) | Yield (q/ha) |        | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|----------|-----------|-------------------------------------|----------------|-------------|--------------|--------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|          |           |                                     |                |             | Demo         | Check  |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
| Wheat    | DBW187    | ZTD                                 | 357            | 357         | 42.71        | 34.05  | 25.83      | 30659.94                             | 95756.90     | 65096.96   | 2.12   | 31859.94                     | 80347.02     | 48487.08   | 1.52   |
| Wheat    | S. Nirjal | ZTD                                 | 126            | 126         | 37.04        | 32.23  | 15.19      | 30684.13                             | 86704.60     | 56020.48   | 1.83   | 31884.13                     | 76489.09     | 44604.96   | 1.40   |
| Chickpea | PG 186    | ZTD                                 | 58             | 58          | 16.33        | 13.17  | 24.28      | 27619.83                             | 92820.69     | 65200.86   | 2.36   | 28619.83                     | 75457.76     | 46837.93   | 1.64   |
| Lentil   | IPL 316   | ZTD                                 | 28             | 28          | 12.89        | 10.16  | 27.12      | 26560.71                             | 73871.43     | 47310.71   | 1.79   | 26500.00                     | 58864.29     | 32364.29   | 1.22   |
| Mustard  | RH-725    | ZTD                                 | 74             | 74          | 19.81        | 16.04  | 23.53      | 26895.95                             | 110944.59    | 84048.65   | 3.13   | 28395.95                     | 90222.97     | 61827.03   | 2.18   |
| Lathyrus | Ratan     | ZTD                                 | 18             | 18          | 22.46        | 18.46  | 21.85      | 26138.89                             | 80621.67     | 54482.78   | 2.08   | 27138.89                     | 61075.56     | 33936.67   | 1.25   |
| Maize    | Acharya   | RBP                                 | 10             | 10          | 92.36        | 74.16  | 24.57      | 38360.00                             | 170866.00    | 132506.00  | 3.46   | 39860.00                     | 137196.00    | 97336.00   | 2.44   |
| Potato   | K Pukhraj | RBP                                 | 26             | 26          | 246.58       | 216.58 | 13.95      | 84857.69                             | 295892.31    | 211034.62  | 2.49   | 86857.69                     | 259892.31    | 173034.62  | 1.99   |

**B. CRA Long Term Experiment Plot (2022-23)**

| <b>Plot No.</b> | <b>Rabi season Status (2022-23)</b> | <b>Technological Intervention</b> | <b>Status</b> |
|-----------------|-------------------------------------|-----------------------------------|---------------|
| 1               | Potato (RB)                         | Raised bed                        | Harvested     |
| 2               | Potato (RB)                         | Raised bed                        | Harvested     |
| 3               | Lentil (ZTD)                        | ZTD                               | Harvested     |
| 4               | Wheat (ZTD)                         | ZTD                               | Harvested     |
| 5               | Mustard (Line Sowing)               | Line Sowing                       | Harvested     |
| 6               | Chickpea (ZTD)                      | ZTD                               | Harvested     |
| 7               | Lathyrus (ZTD)                      | ZTD                               | Harvested     |
| 8               | Pea (ZTD)                           | ZTD                               | Harvested     |
| 9               | Wheat (ZTD)                         | ZTD                               | Harvested     |
| 10              | Wheat (Broadcasting)                | Control                           | Harvested     |

#### 14. ON Farm Trial, 2022-23

| S.L | Topic                                                                                | Problem diagnosed                                           | Treatment                                                                                                                                                                                                                                                                                        | Area (ha) | Village & Block         | Beneficiary | Remarks        |
|-----|--------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------|-------------|----------------|
| 01  | Assessment of shelf life of Mushroom Pickle using different types of vinegar.        | Lesser shelf life of Mushroom pickle without use of vinegar | <b>FP-</b> Local people are using synthetic vinegar.<br><b>TO- I-</b> Preparation of Mushroom Pickle using apple cider<br><b>TO-II-</b> Preparation of Mushroom Pickle using jamun vinegar                                                                                                       | -         | Ranabigha Agwanpur Barh | 30          | Result Awaited |
| 02  | Assessment of low-cost Mulching in Vegetable Crop Production                         |                                                             | <b>FP-</b> No mulch<br><b>TO- I-</b> Banana leaf mulch<br><b>TO- II-</b> Crop Residue mulch                                                                                                                                                                                                      |           | Anantpur, Narayanpur    | 07          | Result Awaited |
| 03  | Assessment of Happy seeder for wheat sowing under crop residue management            |                                                             | <b>FP-</b> Broadcasting (in tilled condition)<br><b>TO-I-</b> Sowing of wheat by Happy Seeder incorporating the crop residue<br><b>TO- II-</b> Removal of crop residue and sowing by Zero Till drill                                                                                             |           | Hiramanpur, Painal      | 07          | Result Awaited |
| 04  | Assessing the Extension Education Methods for Awareness and use of Soil Health Card. | Farmers awareness about benefits of Soil Health Card        | <b>FP</b> – Without Extension Education Methods.<br><b>TO- I</b> – Farmers having SHC with training literature.<br><b>TO-II</b> - Farmers having SHC with customized social media advisory.<br><b>TO-III</b> - Farmers having SHC with training literature and customized social media advisory. | -         | Agwanpur, Barh          | 60          | Result Awaited |

|    |                                                                                                                     |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                    |    |                |
|----|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|----|----------------|
| 06 | Integration of fertilizer in different form on yield of lentil.                                                     | Injudicious use of chemical fertilizer                                  | <b>FP:</b> Seed Treatment + RDF<br><b>TO- I-</b> 50% of RDF +WS 18:18:18 @5 gm./l water (Single spray at pre flowering stage)<br><b>TO- II-</b> Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /l water (Single spray at pre flowering stage)<br>(RDF, concerned SAU/ICAR recommendation)<br>Observation to be recorded:<br>Plot size (10x10 m <sup>2</sup> )/ in each tech option line sowing, soil data before and after (Ph, EC, OC, NPK,), Grain Yield, No. of Plant/m,1000 grain wt., No of pod /plant, strover yield and Economics |  | Sherpur, Mokama    | 07 | Result Awaited |
| 07 | Evaluation of phosphate management through different sources for enhancing productivity of Arhar in Patna district. | Poor nutrient management Practices leads to low yield and profitability | <b>FP-</b> No fertilizer application in Arhar crop.<br><b>TO- I:-</b> RDF i.e use of N @ 20 kg/ha,P <sub>2</sub> O <sub>5</sub> @ 40 kg/ ha (basal)and K <sub>2</sub> O @ 20 kg/ ha (basal)(Through DAP and MOP)<br><b>TO- II:-</b> Seed treatment with Rhizobium and PSB, 40 KgP <sub>2</sub> O <sub>5</sub> /haP <sub>2</sub> O <sub>5</sub> through SSP and 20 Kg K <sub>2</sub> O/ha through MOP.<br>(In all technological option seed treatment will be done as per standard Practice, Pheromone trap will be used @10 trap/ha)                           |  | Simri Bakhtiyarpur | 07 | Result Awaited |

**6. Soil sample analyzed.**

| Details              | No. of Samples | No. of Farmers | No. of villages |
|----------------------|----------------|----------------|-----------------|
| Soil sample analysis | 435            | 435            | 19              |

**7. Other extension activities**

| Activities & sub activities          | No. | No. of Beneficiaries |
|--------------------------------------|-----|----------------------|
| Scientist visit to farmers field     | 23  | 247                  |
| Farmer's visit to KVK                | 871 | 871                  |
| Diagnostic Visit                     | 06  | 38                   |
| Newspaper coverage                   | 07  | Mass                 |
| Radio talk                           | 03  | Mass                 |
| Field Day                            | 02  | 72                   |
| Kisan Goshthi                        | 01  | 37                   |
| Advisory services/ Helpline services | 98  | 98                   |
| Publication of Krishak Samachar      | 02  | 1000                 |
| Exposure Visit                       | 04  | 68                   |

**8. Seed material produced at KVK, farm**

| S.N. | Crop   | Variety                     | Area(ha) | Class | Production (q) | Remarks |
|------|--------|-----------------------------|----------|-------|----------------|---------|
| 1    | Paddy  | S. Harshit                  | 3.3      | C/S   | 145.20         |         |
| 2    |        | S. Sampanna                 | 1.2      | C/S   | 74.10          |         |
| 3    | Lentil | IPL-316                     | 3.7      | C/S   | 64.80          |         |
| 4    | Gram   | S. Chana 1                  | 2.0      | C/S   | 15.10          |         |
| 5    | Wheat  | DBW-187                     | 5.0      | T/L   | 196.80         |         |
| 6    | Rai    | RH-725                      | 1.6      | T/L   | 30.60          |         |
| 7    | Potato | UC Map, Badi aalu & Pukhraj | 0.075    | T/L   | 14.25          |         |

**9. Special Initiatives/Innovation**

- ✓ Awareness program on Tuberculosis eradication and COVID-19 & The TB Challenge is being broadcasted by Community Radio Station, Barh
- ✓ Promotion of Nutri- Cereals (Millets) through Awareness, Training & Demonstrations
- ✓ Promotion of Moringa in daily diet and popularization of among Angawadi Women's
- ✓ Introduction of Soyabean production in CRA village.

## 12. Training program to be organized (January 2023 to December 2023)

### Home Science

| Thematic Area               | Title of Training                                  | Qr. No.              | Duration | Venue OFF/ On | Participants/Trainees |   |    |   |       |    |       |    |    |
|-----------------------------|----------------------------------------------------|----------------------|----------|---------------|-----------------------|---|----|---|-------|----|-------|----|----|
|                             |                                                    |                      |          |               | SC                    |   | ST |   | Other |    | Total |    |    |
|                             |                                                    |                      |          |               | M                     | F | M  | F | M     | F  | M     | F  | T  |
| Practicing Farmer           |                                                    |                      |          |               |                       |   |    |   |       |    |       |    |    |
| Importance of nutri garden. | Millets in the food of pregnant & lactating women. | 1 <sup>st</sup> Qtr. | 02       | OFF           | 0                     | 5 | 0  | 0 | 0     | 15 | 0     | 20 | 20 |
| Rural Youth                 |                                                    |                      |          |               |                       |   |    |   |       |    |       |    |    |
| Value addition              | Value addition of Mushroom                         | 1 <sup>st</sup> Qtr. | 01       | ON/ OFF       | 5                     | 0 | 0  | 0 | 15    | 0  | 20    | 0  | 20 |
| Value addition              | Value addition of Mango.                           | 2 <sup>nd</sup> Qtr. | 01       | ON/ OFF       | 5                     | 0 | 0  | 0 | 15    | 0  | 20    | 0  | 20 |

### Agricultural Engineering

| Thematic Area                       | Title of Training                                               | Qr. No.              | Duration | Venue OFF/ On | Participants/Trainees |   |    |   |       |   |       |   |    |
|-------------------------------------|-----------------------------------------------------------------|----------------------|----------|---------------|-----------------------|---|----|---|-------|---|-------|---|----|
|                                     |                                                                 |                      |          |               | SC                    |   | ST |   | Other |   | Total |   |    |
|                                     |                                                                 |                      |          |               | M                     | F | M  | F | M     | F | M     | F | T  |
| Practicing Farmer                   |                                                                 |                      |          |               |                       |   |    |   |       |   |       |   |    |
| Use of plastic in farming practices | Use of Drone for spraying nutrients and liquid inputs in field. | I st Qtr.            | 2        | ON/ OFF       | 2                     | 0 | 0  | 0 | 23    | 0 | 25    | 0 | 25 |
| Farm Machinery                      | Advantages of Laser Land Leveler                                | -Do-                 | 2        | ON/ OFF       | 5                     | 0 | 0  | 0 | 25    | 0 | 30    | 0 | 30 |
| Farm Machinery                      | Different type of crop harvesting machines                      | -Do-                 | 2        | ON/ OFF       | 5                     | 0 | 0  | 0 | 15    | 0 | 20    | 0 | 20 |
| Other                               | Advantages of summer ploughing                                  | II nd Qtr.           | 2        | ON/ OFF       | 3                     | 0 | 0  | 0 | 17    | 0 | 20    | 0 | 20 |
| Other                               | Land preparation for growing millets.                           | -Do-                 | 2        | ON/ OFF       | 3                     | 0 | 0  | 0 | 17    | 0 | 20    | 0 | 20 |
| Rural Youth                         |                                                                 |                      |          |               |                       |   |    |   |       |   |       |   |    |
| RCT                                 | Agricultural Mechanization and advantages of Farm Machinery     | 1 <sup>st</sup> Qtr. | 5        | ON/ OFF       | 3                     | 0 | 0  | 0 | 17    | 0 | 20    | 0 | 20 |

|                                           |                                                    |                         |   |        |   |   |   |   |    |   |    |   |    |
|-------------------------------------------|----------------------------------------------------|-------------------------|---|--------|---|---|---|---|----|---|----|---|----|
| Repair and maintenance of farm implements | Repair and maintenance of different farm machinery | 2 <sup>nd</sup> Qtr.    | 5 | ON/OFF | 3 | 0 | 0 | 0 | 17 | 0 | 20 | 0 | 20 |
| <b>Extension Functionaries</b>            |                                                    |                         |   |        |   |   |   |   |    |   |    |   |    |
| Micro Irrigation                          | Adoption of Baler for Crop Residue Management      | 1 <sup>st</sup> Quarter | 1 | ON/OFF | 0 | 0 | 0 | 0 | 15 | 0 | 15 | 0 | 15 |

### Extension Education

| Thematic Area                                  | Title of Training                                          | Qrt. No.                | Duration | Venue  | Participants/Trainees |   |    |   |       |   |       |   |    |
|------------------------------------------------|------------------------------------------------------------|-------------------------|----------|--------|-----------------------|---|----|---|-------|---|-------|---|----|
|                                                |                                                            |                         |          |        | SC                    |   | ST |   | Other |   | Total |   |    |
|                                                |                                                            |                         |          |        | M                     | F | M  | F | M     | F | M     | F | T  |
| Practicing Farmer                              |                                                            |                         |          |        |                       |   |    |   |       |   |       |   |    |
| Group dynamics                                 | Need and importance of farmers club/SHG                    | 1 <sup>st</sup> Quarter | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Formation and management of SHGs               | Formation and management of SHG                            | -do-                    | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Leadership Development                         | Importance of leadership in the development of Agriculture | -do-                    | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Mobilization of social capital                 | Effective utilization of social & natural resources.       | -do-                    | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Entrepreneurial development of Farmers / youth | Development of entrepreneurial skill among Farmers         | -do-                    | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Group dynamics                                 | Need and importance of farmers club/SHG                    | 2 <sup>nd</sup> Quarter | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |
| Formation and management of SHGs               | Formation and management of SHG                            | -do-                    | 2        | ON/OFF | 3                     | 0 | 2  | 0 | 10    | 5 | 15    | 5 | 20 |

|                                                  |                                                            |                         |   |            |   |   |   |   |    |   |    |   |    |
|--------------------------------------------------|------------------------------------------------------------|-------------------------|---|------------|---|---|---|---|----|---|----|---|----|
| Leadership Develop ment                          | Importance of leadership in the development of Agriculture | -do-                    | 2 | ON/<br>OFF | 3 | 0 | 2 | 0 | 10 | 5 | 15 | 5 | 20 |
| Mobilization of social capital                   | Effective utilization of social & natural resources.       | -do-                    | 2 | ON/<br>OFF | 3 | 0 | 2 | 0 | 10 | 5 | 15 | 5 | 20 |
| Entrepreneuri al develop ment of Farmers / youth | Development of entrepreneuria l skill among Farmers        | -do-                    | 2 | ON/<br>OFF | 3 | 0 | 2 | 0 | 10 | 5 | 15 | 5 | 20 |
| <b>Rural youth</b>                               |                                                            |                         |   |            |   |   |   |   |    |   |    |   |    |
| Vermin culture                                   | Vermin composting                                          | 1 <sup>st</sup> Quarter | 3 | ON/<br>OFF | 3 | 0 | 2 | 0 | 15 | 5 | 20 | 5 | 25 |
| Entrepreneurs hip                                | Role of Entrepreneur in Agriculture                        | -do-                    | 3 | ON/<br>OFF | 3 | 0 | 2 | 0 | 15 | 5 | 20 | 5 | 26 |
| ICT                                              | Use of ICT in Agriculture                                  | 2 <sup>nd</sup> Quarter | 3 | ON/<br>OFF | 3 | 0 | 2 | 0 | 15 | 5 | 20 | 5 | 27 |
| Integrated farming System                        | Goatry                                                     | -do-                    | 3 | ON/<br>OFF | 3 | 0 | 2 | 0 | 15 | 5 | 20 | 5 | 25 |
| <b>Extension Functionaries</b>                   |                                                            |                         |   |            |   |   |   |   |    |   |    |   |    |
| Formation and manage ment of SHGs                | Need and Importance of SHG / Farmers club                  | 1 <sup>st</sup> Quarter | 2 | ON         | 5 | 0 | 0 | 0 | 15 | 0 | 20 | 0 | 20 |
| Group dynamics                                   | Significance of Group Farming                              | 1 <sup>st</sup> Quarter | 2 | OFF        | 5 | 0 | 0 | 0 | 15 | 0 | 20 | 0 | 20 |
| Market led Extension                             | Use of ICT Tools for market access.                        | 2 <sup>nd</sup> Quarter | 2 | OFF        | 5 | 0 | 0 | 0 | 15 | 0 | 20 | 0 | 20 |
| Leadership Develop ment                          | Role & Importance of Leaders in managing Groups            | 2 <sup>nd</sup> Quarter | 2 | ON         | 5 | 0 | 0 | 0 | 15 | 0 | 20 | 0 | 20 |

## Soil Science

| Thematic area                        | Title of Training                                                          | Q No,                   | Dura tion | Venue | Participants |   |    |   |       |   |       |   |    |
|--------------------------------------|----------------------------------------------------------------------------|-------------------------|-----------|-------|--------------|---|----|---|-------|---|-------|---|----|
|                                      |                                                                            |                         |           |       | SC           |   | ST |   | Other |   | Total |   |    |
|                                      |                                                                            |                         |           |       | M            | F | M  | F | M     | F | M     | F | T  |
| Practicing Farmer                    |                                                                            |                         |           |       |              |   |    |   |       |   |       |   |    |
| Soil health and fertility management | Importance of balanced fertilizer application in onion production          | 1 <sup>st</sup> Quarter | 2         | OFF   | 4            | 1 | 0  | 0 | 18    | 2 | 22    | 3 | 25 |
| Soil and water testing               | Importance of soil and water testing for better crop production of millets | -Do-                    | 2         | OFF   | 4            | 1 | 0  | 0 | 18    | 2 | 22    | 3 | 25 |
| Integrated nutrient management       | Integrated nutrient management in paddy                                    | -Do-                    | 2         | OFF   | 4            | 1 | 0  | 0 | 18    | 2 | 22    | 3 | 25 |
| Production and use of organic input  | Vermi compost production techniques                                        | -Do-                    | 2         | ON    | 4            | 1 | 0  | 0 | 18    | 2 | 22    | 3 | 25 |
| Micronutrien t deficiency in crop    | Importance of secondary and micronutrien t in crop production              | -Do-                    | 2         | OFF   | 4            | 1 | 0  | 0 | 18    | 2 | 22    | 3 | 25 |
| Soil and water testing               | Importance of soil and water testing for better crop production            | -Do-                    | 2         | OFF   | 5            | 0 | 0  | 0 | 18    | 2 | 23    | 2 | 25 |
| Soil fertility management            | Nutrient management in maize                                               | 2 <sup>nd</sup> Quarter | 2         | OFF   | 5            | 0 | 0  | 0 | 18    | 2 | 23    | 2 | 25 |
| Soil and water conservation          | Importance of BGA application in water conservation in paddy               | -Do-                    | 2         | OFF   | 5            | 0 | 0  | 0 | 18    | 2 | 23    | 2 | 25 |

|                                      |                                                                    |                         |   |     |   |   |   |   |    |   |    |   |    |
|--------------------------------------|--------------------------------------------------------------------|-------------------------|---|-----|---|---|---|---|----|---|----|---|----|
| Integrated nutrient management       | Integrated nutrient management in paddy                            | -Do-                    | 2 | OFF | 5 | 0 | 0 | 0 | 18 | 2 | 23 | 2 | 25 |
| Nutrient use efficiency              | Importance of PSB application in enhancing P use efficiency        | -Do-                    | 2 | OFF | 4 | 1 | 0 | 0 | 18 | 2 | 22 | 3 | 25 |
| Management of problematic soil       | Reclamation of ussar land                                          | -Do-                    | 2 | OFF | 5 | 0 | 0 | 0 | 18 | 2 | 23 | 2 | 25 |
| Micronutrient deficiency in crop     | Role and deficiency symptoms of zinc in paddy                      | -Do-                    | 2 | OFF | 5 | 0 | 0 | 0 | 18 | 2 | 23 | 2 | 25 |
| <b>Rural Youth</b>                   |                                                                    |                         |   |     |   |   |   |   |    |   |    |   |    |
| Soil health and fertility management | Practical hand on soil testing using soil testing kit              | 1 <sup>st</sup> quarter | 3 | ON  | 5 | 0 | 0 | 0 | 16 | 4 | 21 | 4 | 25 |
| Production and use of organic inputs | Blue green algae production technique                              | -Do-                    | 3 | ON  | 5 | 0 | 0 | 0 | 16 | 4 | 21 | 4 | 25 |
| Production and use of organic inputs | Vermi compost production and their marketing                       | 2 <sup>nd</sup> quarter | 3 | ON  | 5 | 0 | 0 | 0 | 16 | 4 | 21 | 4 | 25 |
| Production and use of organic inputs | Blue green algae production technique                              | -Do-                    | 3 | ON  | 5 | 0 | 0 | 0 | 16 | 4 | 21 | 4 | 25 |
| <b>Extension functionaries</b>       |                                                                    |                         |   |     |   |   |   |   |    |   |    |   |    |
| Soil health and fertility management | Fertilizer recommendation for rice through crop manager ( web app) | 1 <sup>st</sup> quarter | 1 | OFF | 2 | 0 | 0 | 0 | 16 | 2 | 18 | 2 | 20 |
| Integrated nutrient management       | Integrated nutrient management in Paddy                            | -Do-                    | 1 | OFF | 2 | 0 | 0 | 0 | 16 | 2 | 18 | 2 | 20 |

|                                   |                                                                   |                         |   |     |   |   |   |   |    |   |    |   |    |
|-----------------------------------|-------------------------------------------------------------------|-------------------------|---|-----|---|---|---|---|----|---|----|---|----|
| Micronutrient deficiency in crops | Fertilizer recommendation for rice through crop manager (web app) | 2 <sup>nd</sup> quarter | 1 | ON  | 2 | 0 | 0 | 0 | 16 | 2 | 18 | 2 | 20 |
| Integrated nutrient management    | Role of green manuring in soil fertility management               | -Do-                    | 1 | OFF | 2 | 0 | 0 | 0 | 16 | 2 | 18 | 2 | 20 |

### 1. Frontline demonstration to be conducted\* 2023 (Kharif)

| Sl. No | Season | Crop        | Variety          | Area in ha. | No. of Demonstration |
|--------|--------|-------------|------------------|-------------|----------------------|
| 1      | Kharif | Paddy       | R. Sweta         | 10          | 25                   |
| 2      |        | Pros millet | Local            | 01          | 05                   |
| 3      |        | Ragi        | A-404            | 01          | 40                   |
| 4      |        | Turmeric    | R. Sonia         | 01          | 40                   |
| 5      |        | Fodder crop | Napier / Berseem | 02          | 40                   |
| 6      |        | Mushroom    | Puwal Mushroom   | 10          | 10                   |

### 11. On Farm Trail 2023

#### OFT: 01 (Home Science)

|   |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title of On Farm Trial</b>                          | Assessment of shelf life of mushroom pickle using different types of vinegar.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2 | <b>Problem diagnosed</b>                               | As there in bulk production of mushroom in this area but the farmers are not preparing mushroom pickles, which leads wastage of mushroom.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3 | <b>Details of Technologies selected for Assessment</b> | <b>Farmers Practice-</b><br>Local people consume different recipe of fresh mushroom<br><b>Tech Option I-</b> Preparation of mushroom pickle using synthetic vinegar.<br><b>Technology Option II-</b> Preparation of mushroom pickle with apple cider.<br><b>Technology Option II-</b> Preparation of mushroom pickle with Jamun Sirka.<br><b>Formulation - Ingredients</b> Mushroom- 1.0kg, Salt-80 gm., Oil- 300 gm., Asafetida- 02 gm, Cumin- 10 gm., Vinegar- 320 ml. (Apple & Jamun), Green Chilly- 50 gm, Ginger- 50 gm., Turmeric- 15 gm, Chilly powder- 15 gm, Fenugreek- 10 gm, Fennel – 20 gm, Mustard powder- 20 gm. |
| 4 | <b>Source of Technology</b>                            | DMR, Solan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5 | <b>Performance Indicator</b>                           | Test, texture, colour and overall acceptability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6 | <b>Replication</b>                                     | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 7 | <b>Production system and thematic</b>                  | Value addition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|   |                                        |  |
|---|----------------------------------------|--|
|   | <b>area</b>                            |  |
| 8 | <b>Constraints identified</b>          |  |
| 9 | <b>Process of Farmer Participation</b> |  |

**OFT: 02 (Agricultural Engineering)**

|   |                                                        |                                                                                                                                 |
|---|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title of On Farm Trial</b>                          | <b>Assessment of low-cost Mulching in Vegetable Crop Production</b>                                                             |
| 2 | <b>Thematic Area</b>                                   | Post-Harvest Management                                                                                                         |
| 3 | <b>Details of Technologies selected for Assessment</b> | <b>Farmers Practice-</b> No mulch<br><b>Tech Option I-</b> Banana leaf mulch<br><b>Technology Option II-</b> Crop Residue mulch |
| 4 | <b>Source of Technology</b>                            | -                                                                                                                               |
| 5 | <b>Performance Indicator</b>                           | Soil Moisture Content % no of weeds/m <sup>2</sup> , BC ratio                                                                   |
| 6 | <b>Replication</b>                                     | 07                                                                                                                              |
| 7 | <b>Production system and thematic area</b>             |                                                                                                                                 |
| 8 | <b>Constraints identified</b>                          |                                                                                                                                 |
| 9 | <b>Process of Farmer Participation</b>                 | Result Awaited                                                                                                                  |

**OFT: 03 (Agricultural Engineering)**

|   |                                                        |                                                                                                                                                                                                                                           |
|---|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title of On Farm Trial</b>                          | Assessment of Happy seeder for wheat sowing under crop residue management                                                                                                                                                                 |
| 2 | <b>Problem diagnosed</b>                               | Residue burning in the field after harvest of rice                                                                                                                                                                                        |
| 3 | <b>Details of Technologies selected for Assessment</b> | <b>Farmers Practice-</b> Broadcasting of wheat in the field<br><b>Tech Option I-</b> Sowing of wheat by Happy Seeder incorporating the crop residue<br><b>Technology Option II-</b> Removal of crop residue and sowing by Zero Till drill |
| 4 | <b>Source of Technology</b>                            | PAU Ludhiana, BAU Sabour                                                                                                                                                                                                                  |
| 5 | <b>Performance Indicator</b>                           | Soil status , no of plant/ m <sup>2</sup> , no of irrigation, yield and BC Ratio                                                                                                                                                          |
| 6 | <b>Replication</b>                                     | 07                                                                                                                                                                                                                                        |
| 7 | <b>Production system and thematic area</b>             | Rice- Wheat                                                                                                                                                                                                                               |
| 8 | <b>Constraints identified</b>                          | Lesser time window for timely sowing of wheat                                                                                                                                                                                             |
| 9 | <b>Process of Farmer Participation</b>                 |                                                                                                                                                                                                                                           |

**OFT: 04 (Extension Education)**

|   |                              |                                                                                                                                                                                                                                                                                                 |
|---|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title</b>                 | Assessing the Awareness level of Soil Health Card (SHC) in Paddy Cultivation                                                                                                                                                                                                                    |
| 2 | <b>Problem diagnosed</b>     | Farmers awareness about benefits of Soil Health Card                                                                                                                                                                                                                                            |
| 3 | <b>Details of Technology</b> | <b>Farmers Practice</b> – Farmers having no SHC and not applying recommended dose of fertilizers.<br><b>Tech Option I</b> - Recommendation of fertilizer application through training/ group meeting.<br><b>Tech Option II</b> - Farmers having Soil Health Card and follow the Recommendation. |
| 4 | <b>Source of technology</b>  | BAU, Sabour, Bhagalpur                                                                                                                                                                                                                                                                          |

|   |                                                              |                                                                   |
|---|--------------------------------------------------------------|-------------------------------------------------------------------|
| 5 | <b>No. of Farmers</b>                                        | 36                                                                |
| 6 | <b>Production system and Thematic Area</b>                   | Capacity Building                                                 |
| 7 | <b>Constraints identified and Feedback of research</b>       |                                                                   |
| 8 | <b>Performance of Technology Performance Indicator</b>       | i. Level of Awareness (%),<br>ii. Yield (qt./ha)<br>iii. BC Ratio |
| 9 | <b>Process of Farmers Participation &amp; their reaction</b> |                                                                   |

**OFT: 05 (Extension Education)**

|   |                                                             |                                                                                                                                                                                                                                                                         |
|---|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title</b>                                                | Effectiveness of Community Radio Programme on Awareness (knowledge) related to Nutritional and health wellbeing of Radio Listener                                                                                                                                       |
| 2 | <b>Problem diagnosed</b>                                    | Poor awareness related to Nutrition and health being among Radio Listener                                                                                                                                                                                               |
| 3 | <b>Details of Technology</b>                                | <b>Tech Option I</b> - Nutrition and health Awareness of Farmers not connected with C.R.<br><b>Tech Option II</b> - Nutrition and health Awareness of Farmers connected with C.R.<br><b>Tech Option III</b> - Nutrition and health Awareness of Farmers through SD Card |
| 4 | <b>Source of technology</b>                                 | C.R. Compendium                                                                                                                                                                                                                                                         |
| 5 | <b>No. of Farmers</b>                                       | 36 Radio listener & Non Listener                                                                                                                                                                                                                                        |
| 6 | <b>Production system and Thematic Area</b>                  | Capacity Building                                                                                                                                                                                                                                                       |
| 7 | <b>Performance of Technology with performance indicator</b> | i. Awareness level towards Nutrition,<br>ii. Awareness level in health wellbeing,<br>iii. Consumption pattern in food habit.                                                                                                                                            |
| 8 | <b>Final Recommendation for Micro level Situation</b>       |                                                                                                                                                                                                                                                                         |
| 9 | <b>Process of Farmers Participation and their reaction</b>  |                                                                                                                                                                                                                                                                         |

**OFT: 07 (Soil science)**

|   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Title</b>                | Evaluation of different nutrient management options in Maize for higher productivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2 | <b>Problem diagnosed</b>    | Limited availability of straight fertilizer leads to yield and income loss to farmers in maize production                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3 | <b>Technological option</b> | Farmers Practice- 150:40:25:: N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O Kg/ha<br>Technological Option I:- Recommended dose of fertilizer i.e 100:60:40 Kg N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O/ha<br>Technological Option II:- Nutrient application through foliar spray as per following schedule<br>a. Foliar spray of Nano urea @500 ml/acre and Nano DAP@250ml/acre at 10 days after sowing<br>b. Foliar spray of Nano urea@500ml/are and Nano DAP@250ml/acre at 30 days after sowing<br>c. Foliar spray of Nano urea@500ml/acre along |

|   |                                                                  |                                                                                                                                      |
|---|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|   |                                                                  | with NPK 19:19:19 and NPK::0:0:50@<br>1.25Kg/acre at just before flowering                                                           |
| 4 | <b>Source of Technology</b>                                      | BAU, Sabour                                                                                                                          |
| 5 | <b>Replication</b>                                               | 07                                                                                                                                   |
| 6 | <b>Production system and thematic area:</b>                      | Maize- Wheat production system                                                                                                       |
| 7 | <b>Performance of the technology with performance indicators</b> | Plant height(cm), No. of cob/plant, No. of grain/cob, yield q/ha and pre and post soil nutrient status                               |
| 8 | <b>Constraints identified</b>                                    | Seed, herbicide (Atrazine), pesticide( Profenophos), fertilizer(urea, DAP and Potash), Nano urea, Nano DAP, NPK 19:19:19, NPK 0:0:50 |
| 9 | <b>Process of Farmer Participation</b>                           |                                                                                                                                      |

## 12. Extension Activities

| Nature of Extension Activity           | No. of activities | Total |        |       |
|----------------------------------------|-------------------|-------|--------|-------|
|                                        |                   | Male  | Female | Total |
| Field Day                              | 16                | 220   | 110    | 330   |
| Kisan Mela                             | 4                 | 100   | 50     | 150   |
| Kisan Ghosthi                          | 11                | 100   | 50     | 150   |
| Method Demonstrations                  | 10                | 50    | 10     | 60    |
| Group meetings                         | 8                 | 200   | 100    | 300   |
| Lectures delivered as resource persons | 5                 | 100   | 50     | 150   |
| Advisory Services                      | 150               | 200   | 100    | 300   |
| Scientific visit to farmers field      | 40                | 80    | 40     | 120   |
| Diagnostic visits                      | 300               | 200   | 50     | 250   |
| Exposure visits                        | 2                 | 100   | 25     | 125   |
| Soil health Camp                       | 2                 | 400   | 100    | 500   |
| Soil test campaigns                    | 2                 | 300   | 100    | 400   |
| Farmers visit to KVK                   | 500               | 800   | 300    | 1100  |
| Swatchta Hi Sewa                       | 15                | 450   | 154    | 604   |

## 13. Seed to be produced at KVK, farm 2023 (Kharif)

|                         |   |                                       |
|-------------------------|---|---------------------------------------|
| Total Cultivable Area   | - | 14.0 ha                               |
| Paddy (Seed Production) | - | 3.75 ha                               |
| Long Term Experiment    | - | 1.0 ha                                |
| Natural Farming         | - | 0.4 ha                                |
| Organic Farming         | - | 0.4 ha                                |
| INM                     | - | 0.2 ha                                |
| Fellow                  | - | 8.25 ha (Lack of irrigation facility) |

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