

TRANSFER OF TECHNOLOGIES (YEAR: 2017-18)

FRONTLINE DEMONSTRATION:

| Sr. No | Crop/ Enterprise | Thematic Area* | Technology demonstrated | Details of popularization methods suggested to the Extension system | Horizontal spread of technology | | |
|--------|-----------------------|----------------------------------|--|--|---------------------------------|-------------------|--------------|
| | | | | | No. of villages | No. of farmers | Area (ha) |
| 1. | Paddy | Introduction of new varieties | Improved varieties | FLD, Training, Field Days, Farmers meeting, Exposure visit to KVK farm, Mass media | 15 | 150 | 15 |
| 2. | Finger millet | Introduction of new varieties | Improved varieties | | 5 | 50 | 7 |
| 3. | Green gram | Introduction of new varieties | Improved varieties | | 8 | 80 | 12 |
| 4. | Water melon | Plastic mulch | Weed control and Water saving | | 7 | 95 | 65 |
| 5. | Mango | IPM | Methyl eugenol trap | | 5 | 45 | 16 |
| 6. | Poultry | Introduction of new variety | Popularization of RIR improved poultry birds for backyard farming | | 10 | 12 | 12 |
| 7. | Farm Mechanization | Drudgery reduction | Twin wheel hoe | | 10 | 50 | 25 |

ON FARM TRIAL

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed |
|---------------------|----------------------|--|--|------------------|--|
| Gram | Rain fed | Low yield of <i>Rabi</i> gram crop | Seed bed preparation for <i>Rabi</i> gram | 30 | T ₁ : Broadcasting T ₂ : 30 cm x 10 cm |
| Green gram | Rain fed | Low yield of green gram crop in summer | Spacing management in summer green gram | 30 | T ₁ : Broadcasting T ₂ : 30 cm x 10 cm |
| Okra | Irrigated | Low yield of okra in <i>Rabi</i> and to popularize new variety | Varietal evaluation of okra during <i>Rabi</i> season in the Dangs | 06 | T ₁ : Local variety (Farmers practices) T ₂ : GAO-5 variety (Improved variety) |
| Watermelon | Irrigated | Low yield of watermelon and high evaporation rate of soil moisture | Mulching in watermelon | 06 | T ₁ : No mulching T ₂ : Paddy Straw T ₃ : Plastic mulch (30 micro, silver-black color) |
| Okra | Irrigated | Sucking pest problem | Control of sucking pest in okra | 05 | T ₁ : Farmer's practices T ₂ : Dimethoate-30 % EC @ 10 ml/10 lit. of water as per ETL T ₃ : Acetamiprid-20% S.P. @ 10 g/10 lit. of water as per ETL |
| Finger millet | Rainfed | Low yield of Finger millet | Control of blast disease of Finger millet in the Dangs | 06 | T ₁ : Farmers practice T ₂ : Spray of Pseudomonas sp.@60ml/10litre of water |

| | | | | | |
|-------------------|----|---|--|----|----|
| Cross bred cattle | -- | Lack of knowledge about bypass fat feeding technology. Low milk yield | Effect of bypass fat feeding on milk production in crossbred cattle. | 25 | -- |
| Cross bred cattle | -- | Less body growth Parasitic infestation | Effect of concurrent use of mineral mixture and deworming on growth rate of calves | 30 | -- |