

FLD
2017-18

FLDs (Discipline-Wise Summary)

| Discipline | Crop / Enterprise | Number of technology/ Social Concept Demonstrated | No. of demonstrations | | % of achievement | Reasons for shortfall, if any |
|--------------|-------------------|---|-----------------------|-------------|------------------|--|
| | | | Target | Achievement | | |
| Agronomy | CFLD on pulses | 3 | 150 | 52 | 34.66 | Due to late season because of rain, the targeted area could not be achieved. |
| | CFLD on mustard | 1 | 75 | 52 | 69.33 | Due to flood at seedling stage 4 clusters were failed. |
| | Wheat | 1 | 5 | 5 | 100 | NA |
| | Maize | 1 | 5 | 5 | 100 | NA |
| Horticulture | Tomato | 1 | 5 | 5 | 100 | NA |
| | Chilli | 1 | 5 | 5 | 100 | NA |

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| Discipline | Crop / Enterprise | Number of technology/ Social Concept Demonstrated | No. of demonstrations | | % of achievement | Reasons for shortfall, if any |
|------------------|---------------------------------|--|-----------------------|-------------|------------------|-------------------------------|
| | | | Target | Achievement | | |
| Plant Protection | Chilli | 1 | 8 | 8 | 100 | |
| | Brinjal | 1 | 8 | 8 | 100 | |
| PBG | Spring Rice var. RC-maniphou 12 | 1 | 10 | 10 | 100 | |
| | Kharif rice var.CAU-R1 | 1 | 10 | 10 | 100 | |
| Animal Science | Poultry | 1 | 10 | 10 | 100 | |
| | Pig | 1 | 10 | 10 | 100 | |
| Home Sc. | Energy saving tool | 1 | 3 | 3 | 100 | |
| | Women friendly tools | 1 | 5 | 5 | 100 | |
| Total | | | 504 | 278 | | |

FLD: Agronomy

| Crop Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase / change in avg. yield over local | Gross Cost (Rs/Ha)/ (Rs./ unit) | Gross Return (Rs/Ha) / (Rs./ unit) | Net Return (Rs/Ha) / (Rs./ Unit) | B:C Ratio (GR/GC) |
|-------------------------|-------------------------|-----------------------------|------|----|----------------------|--|---------------------------------|------------------------------------|----------------------------------|--------------------|
| | | H | L | A | (Qt/Ha) | % | | | | |
| Wheat (HD-2923) | Broadcasting | 15.9 | 13.4 | 15 | 13 | 13.3 | 28,000 | 45,000 | 17,000 | 1.6 |
| Maize (HQPM-1) (Spring) | Line sowing | Continuing | | | | | | | | |



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|---------------------------|-------------------------|-----------------------------|-----|------|----------------------|--|---------------------------------|------------------------------------|----------------------------------|--------------------|
| | | H | L | A | (Qt/Ha) | % | | | | |
| Blackgram (PU-31) | Broadcasting | 3.6 | 2.0 | 2.8 | 2.6 | 7.1 | 13000 | 16800 | 3800 | 1.29 |
| Field pea (Aman) | Line sowing | 7.2 | 3.9 | 4.28 | 4.10 | 9.01 | 32000 | 41000 | 8000 | 1.28 |
| Rice bean(local improved) | Broadcasting | 2.5 | 1.9 | 2.3 | 1.9 | 17.39 | 11,500 | 13300 | 1800 | 1.15 |
| Mustard (NRCHB-101) | Zero tillage | 7.4 | 5.2 | 6.8 | 5.4 | 20.5 | 25,000 | 47,600 | 22,600 | 2.01 |

FLD: Horticulture

| Crop Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase / change in avg. yield over local | Gross Cost (Rs/Ha)/ (Rs./ unit) | Gross Return (Rs/Ha) / (Rs./ unit) | Net Return (Rs/Ha) / (Rs./ Unit) | B:C Ratio (GR/GC) |
|-----------------|--|-----------------------------|-----|-----|----------------------|--|---------------------------------|------------------------------------|----------------------------------|--------------------|
| | | H | L | A | (Qt/ Ha) | % | | | | |
| Tomato | Demonstration of Arka Samrat Spacing 60cmx 45 cm , Fertilizer (NPK, kg/ha) 100:50:50, full doses of P & K as basal, half doses of N after 15 days another half dose at 35 days of transplanting. | 270 | 255 | 263 | 250 | 4.9 | 94,966 | 3,94,50 | 2,99,534 | 4.2 |



FLD: Horticulture

| Crop Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase / change in avg. yield over local | Gross Cost (Rs/Ha)/ (Rs./ unit) | Gross Return (Rs/Ha) / (Rs./ unit) | Net Return (Rs/Ha) / (Rs./ Unit) | B:C Ratio (GR/GC) |
|-----------------|--|-----------------------------|----|----|----------------------|--|---------------------------------|------------------------------------|----------------------------------|--------------------|
| | | H | L | A | (Qt/Ha) | % | | | | |
| Chilli | Demonstration of chilli Arka Meghna Spacing-60 x 45 cm,NPK : 120:50:50 full doses of P & K as basal, half doses of N after 15 days another half dose at 35 days of transplanting | 74 | 71 | 72 | 68 | 5.6 | 91,610 | 2,88,00 | 1,96,390 | 3.14 |



FLD: Plant protection

| Crop / Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | Increase in yield | Avg. Cost of Cultivn. (Rs/Ha) | Avg. Gross Return (Rs/Ha) | Avg. Net Return (Rs/Ha) | B:C Ratio |
|-------------------|--|-----------------------------|-----|-----|----------------------|-------------------|-------------------------------|---------------------------|-------------------------|-----------|
| | | H | L | A | (Qt /Ha) | % | | | | |
| Chilli | Management of fruit borer, fruit rots & die back using Flubendamide & Trilyclazole | 58 | 52 | 54 | 51.3 | 2.7 | 48000 | 246400 | 198400 | 5.1:1 |
| Brinjal | Shoot & fruit borer management with cypermethrin 25 EC @ 0.0075conc | 260 | 230 | 241 | 235 | 2.5 | 82000 | 282000 | 200000 | 3.44 |

FLD: PBG

| Crop / Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | Increase in yield | Gross Cost (Rs/Ha)/(Rs/Unit) | Gross Return (Rs/Ha)/(Rs./Unit) | Net Return (Rs/Ha) | B:C Ratio |
|-------------------|---|-----------------------------|----|----|----------------------|-------------------|------------------------------|---------------------------------|--------------------|-----------|
| | | H | L | A | (Qt /Ha) | % | | | | |
| Rice | Seed Prodn. Of rice CAUR-1 (Cultivated under SRI) Seed rate- 5kg/ha Spacing-25 x 25 cm Seedlings/hill- single Weeding- 2conoweeding + 1 handweeding | 65 | 58 | 63 | 49 | 22 | 59000 | 163800 | 104800 | 2.77 |



FLD: PBG

| Crop / Enterprise | Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | Increase in yield | Gross Cost (Rs/Ha)/(Rs/Unit) | Gross Return (Rs/Ha)/(Rs./Unit) | Net Return (Rs/Ha) | B:C Ratio |
|-------------------|--|-----------------------------|----|----|----------------------|-------------------|------------------------------|---------------------------------|--------------------|-----------|
| | | H | L | A | (Qt /Ha) | % | | | | |
| Rice | Seed Prodn. Of Spring rice RCM-12 (Cultivated under SRI) Seed rate-5kg/ha Spacing-25 x 25 cm Seedlings/hill-single Weeding-2conoweeding + 1 hand weeding | 48 | 47 | 47 | 40 | 15 | 42000 | 126900 | 122700 | 3.02 |



Livestock: Production performance of Kamrupa, a dual purpose bird under local feeding condition (local feed with kitchen waste)

| Enterprise | Breed | No. Of farmers | No. Of animals/ poultry birds etc. | Performance parameters/ indicators | Results on parameters in relation to technology demonstrated | | % Change | Remarks |
|------------|---------|----------------|------------------------------------|--|--|--|----------------------------------|--|
| | | | | | Demo | Local | | |
| 1. Poultry | Kamrupa | 10 | 200 | Technology i. Growth performance 0 wks(gm) ii. Body Wt. at 24 wks(gm) iii. Survivability iv. Age at 1 st lay(Days) v. Hatchability% | 39 2200 91% 161 88 | 39 1900 82% 169 72 | 13.6 9.89 8.7 18.18 | Kamrupa birds can be easily reared with locally available feeds profitably |



Livestock: Effect of brewery waste on growth performance of grower pig (3:1)

| Enterprise | Breed | No. of farmers | No. of animals | Performance parameters / indicators | Results on parameters in relation to technology demonstrated | | % Change | Remarks |
|------------|-------------|----------------|----------------|-------------------------------------|--|-------|----------|--|
| | | | | | Demo | Local | | |
| Piggery | Cross breed | 10 | 30 | Body wt. at 2 mths(kg) | 5.8 | 6 | 19.1 | Brewery waste can replaced 25% of feed |
| | | | | Body wt. at 8 mths(kg) | 64 | 58 | 9.4 | |



FLD: Home Science

| Crop / Enterprise | Technology demonstrated | No of farmer/ farm women | No of units/ Item etc | Performance parameters/ indicators | Data parameters in relation to technology demonstrated | | % change (gain in days) |
|--------------------|--|--------------------------|-----------------------|--|--|---|--------------------------|
| | | | | | Demo | Local | |
| Energy saving tool | Solar cabinet dryer Dimension (cm): Length-120, Breadth-90, Height-90 Tray size: Small-110cmx40cm Large-110cm x 80cm | 3 | 3 | Duration of drying 1)Traditional open sun drying method 2) Solar dryer | 1) King chilli- 2days 2) Bitter guard- 3days 3) Amla- 3days 4) Ginger- 2 days | 1)King chilli- 7days 2) Bitter guard- 6days 3) Amla- 7days 4) Ginger- 5 days | 71% 50% 57% 60% |
| Remarks | Since duration of drying is less it saves labour cost and of production.Shelf life also increase as the moisture content of the products are minimised to the maximum level. | | | | | | |



FLD: Home Science

| Crop / Enterprise | Technology demonstrated | No of farmer/ farm women | No of units/ Item etc | Performance parameters/ indicators |
|--|--|--------------------------|---|--|
| Women friendly tools | Revolving stools with stand height-30cm, width-40 cm, upper diameter-27, lower diameter-23 | 5 | 5 | 1) Psychological perception 2) Body comfort |
| Data parameters in relation to technology demonstrated(data for 30 days 2 times/day) | | | % change | Remarks |
| Demo | Local | | | |
| No. of safe milking days- 60 | No. of safe milking days-41 | 31.7 | It increase the body comfort & decrease stress & strain of milkman. | |

