Technology developed and recommended

Sr. No	Recommendations
1	**Nutrient management through organic sources in wheat (GW 1) under Bhal region** The farmers of Bhal and Coastal Agro-climatic Zone growing durum wheat organically are recommended to apply about 600 kg castor cake/ha (75% RDN) before *kharif* season and seed treatment of bio NPK liquid biofertilizer (5 ml/kg seed) for obtaining higher yield and net return.
2	**Effect of nitrogen levels and seed rate on growth and yield of durum wheat (GADW-3) under *Bhal* region (2022)** The farmers of *Bhal* and Coastal Agro- climatic Zone VIII growing durum wheat (GADW 3) are recommended to use 90 kg seed /ha and apply 60 kg nitrogen in three split, 12 kg N as basal and 24 kg N/ha at 21 DAS with first irrigation and 24 kg N/ha at 45 DAS with second irrigation to get higher yield and net return. In addition, 25 kg P2 O5 /ha is to be applied as basal.
3	**Effect of paired row sowing on yield and fibre quality of *desi* cotton under rainfed condition** The farmers of North-West Agro-climatic Zone and *Bhal* & Coastal Agro-climatic Zone growing rainfed *desi* cotton are recommended to sow cotton in paired row of 30-180-30 cm and plant to plant distance 30 cm apart to get higher seed cotton yield and net return.
4	**Standardization of crop geometry and its effect on yield and fibre quality of desi cotton under rainfed conditions (2018)** The farmers of Bhal and Coastal Agro-climatic Zone growing rainfed desi cotton are recommended to sow cotton variety Gujarat Cotton 21 at 60 x 30 cm spacing to get higher seed cotton yield.
5	**Sustaining the yield of un-irrigated durum wheat in *Bhal* region through PGRs and chemicals (2018)** The farmers of *Bhal* and Coastal Agro- climatic Zone –VIII growing rainfed wheat are advised to apply first spray of Thiourea @ 500 ppm (5gm/ 10 litre water) at tillering stage (35-40 DAS) and second spray at ear emergence stage (60-65 DAS) to get maximum grain yield and net return
6	**Seed soaking and foliar spray of stress mitigating chemicals for ameliorating moisture stress in conserved moisture condition in Chickpea (2017)** The farmers of *Bhal* & Coastal Agro-climatic Zone –VIII growing rainfed chickpea are advised to seed soaking with Thiourea @ 500 ppm (0.5 gm /lit. per kg seed) for one hour before sowing and apply two spray of Thiourea @ 1000 ppm (1.0 gm /lit.) at vegetative stage (30-35 Days after sowing) and at flowering stage (40-45 Days after sowing) to get maximum seed yield and net return.