

TECHNICAL PROTOCOL UNDER MKSP

Name of PIA: HARSHA TRUST

Mention Agro-climate, soil condition, Cropping pattern, major crops of the Intervened area		
Agro Climatic Zones		
Major Crops	Khariff: Paddy and Ragi	
Major Agricultural Season	Main season is Khariff	
Pattern of Agriculture	Rainfed	Area under cultivation are mostly rainfed
Major Agricultural Activities	Practices: Traditionl Practices like sowing paddy grains or transplanting in 30 days seedling. Seed sowing is done for Ragi and Maize.	Training module developed (yes)
	Vegetable Cultivation: seed treatment is not practice, No proper spacing is maintain, No intercultural operation	
1	Pre Cultivation	
	Crop selection	Based on Agro-climatic zone, soil, availability of water etc.
	Seed selection	Indigenous or hybrid based on the availability and seed testing.
	Seed rate	different crops have different seed rate
	Seed Treatment	Seed treatment is done to avoid seed borne diseases, should be done where seed borne diseases are prevalent and to enhance germination percentage. In case of transplanted crop it can also be seedling treatment
2	Cultivation	
	spacing	Depends on the crop, variety, soil and availability of water
	sowing/ Transplanting	Broadcasting, line sowing by dibbler, seed drill, drum seeder or transplanting by conventional method or improved
	Intercultural operations	Weed management (manually/ mechanically/ organic way) earthing up for root crops, soil loosening, many cultural practices for crop management
3	Water conservation and water management	
	Methods of water conservation	Mulching, some special structure etc.

	Methods of irrigation	border strip method, check basin, furrow, drip etc	
	Plan of irrigation	It depends on the critical stages of different crops	
4	Soil fertility Mgmt. /Soil health enrichment and crop nutrient management		
	Bio fertilizer /Organic Manure/	Use of Compost is only to maintain soil health. Use of Gladicidia for soil fertility.	
	Methods of application/Practices	Mixing with soil while Plouging.	
	Duration/ Scheduling of application	One time application	
	Methods of enhancement of soil biomass	mulching, green manuring, adding of organic biomass in the soil, plantation of tree in the bunds (which add biomass to soil)	
5	Insect/Pest/ Management		
	Insect/ Pest control methods/ practices (E.G. If NPM, please specify particular method of control under NPM)	Biological:Handi Khata	
	Insect/ Pest control substances(biopesticide/ others etc)	poochimarandu (herbal solution), effective microorganismsfermented plant extract (em-fpe), agricultural formulationsor herbal pesticides, chilli-garlic-ginger extract, beejamruthapanchagavya	
6	Disease Management		
	Disease control methods/ Practices	Growing resistant varieties/Seed treatment/ Border crops/Crop rotation/yellow and white plates to control sucking pests/Mixed cropping	
	Disease control substance (bio fungicide/others)	Cow dung asetofida extract/Sontipalakasayam/Maredupathramkas hayam	
7	Harvesting		
	Methods of harvesting		
8	If the PIA have any post harvest technology regarding storage of food grains, Seeds, value addition, please specify Pulses: Mixing of neem leaf with seed prevents the attack of insect.		