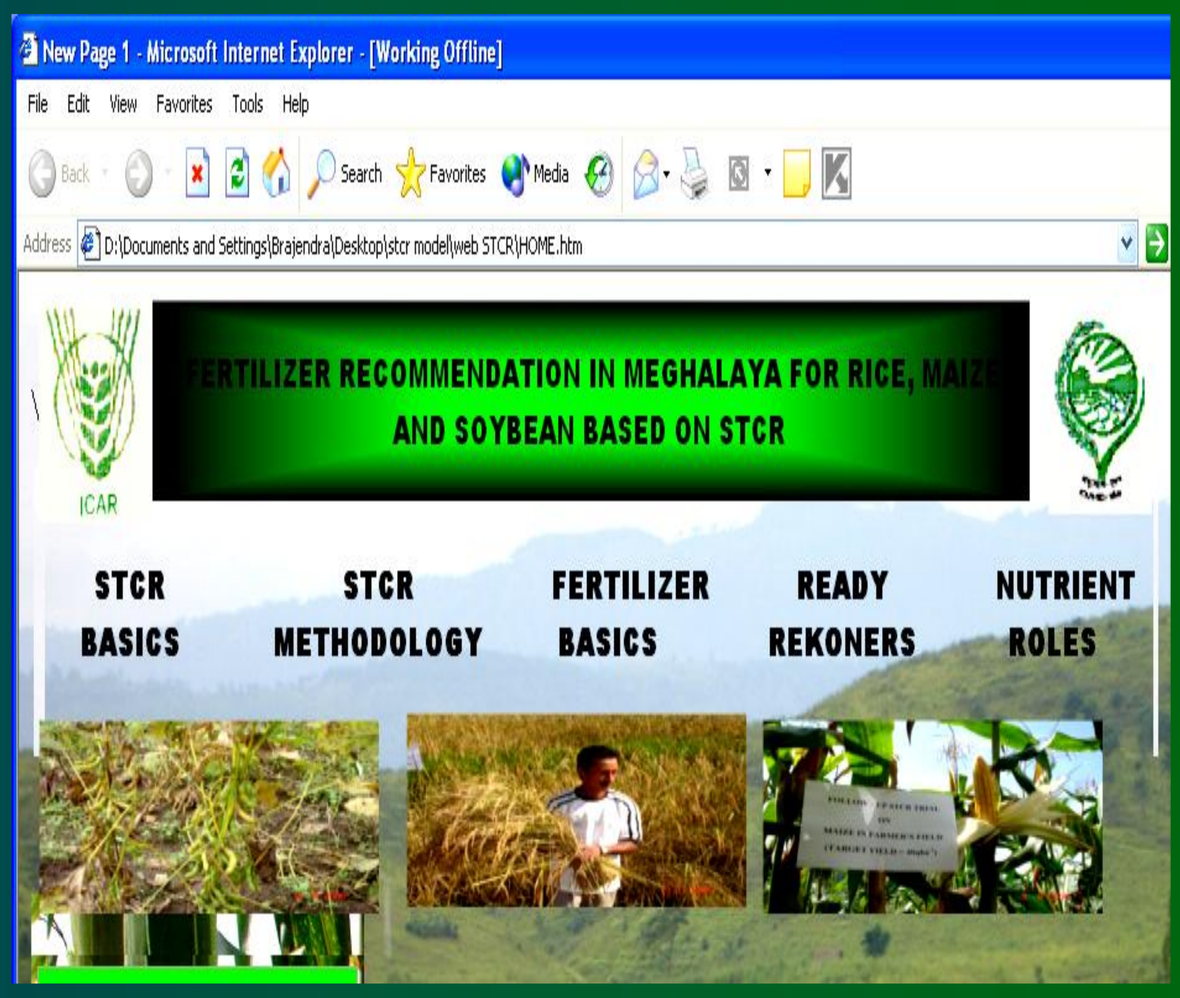
Fertilizer Recommendation and Dissemination Technology in Meghalaya Based on STCR

Background

- India shined with green revolution largely supported by outcomes of AICRP on STCR in the sixties and beyond.
- However, the sparks did not reach the majestic hills and valleys of northeastern region.
- The often cited reason is one of the lowest fertilizer use and efficiency.
- The contemporary widespread call for evergreen revolution in India can be achieved by reaching to those unreached,hungry and thirsty soils of northeastern India.

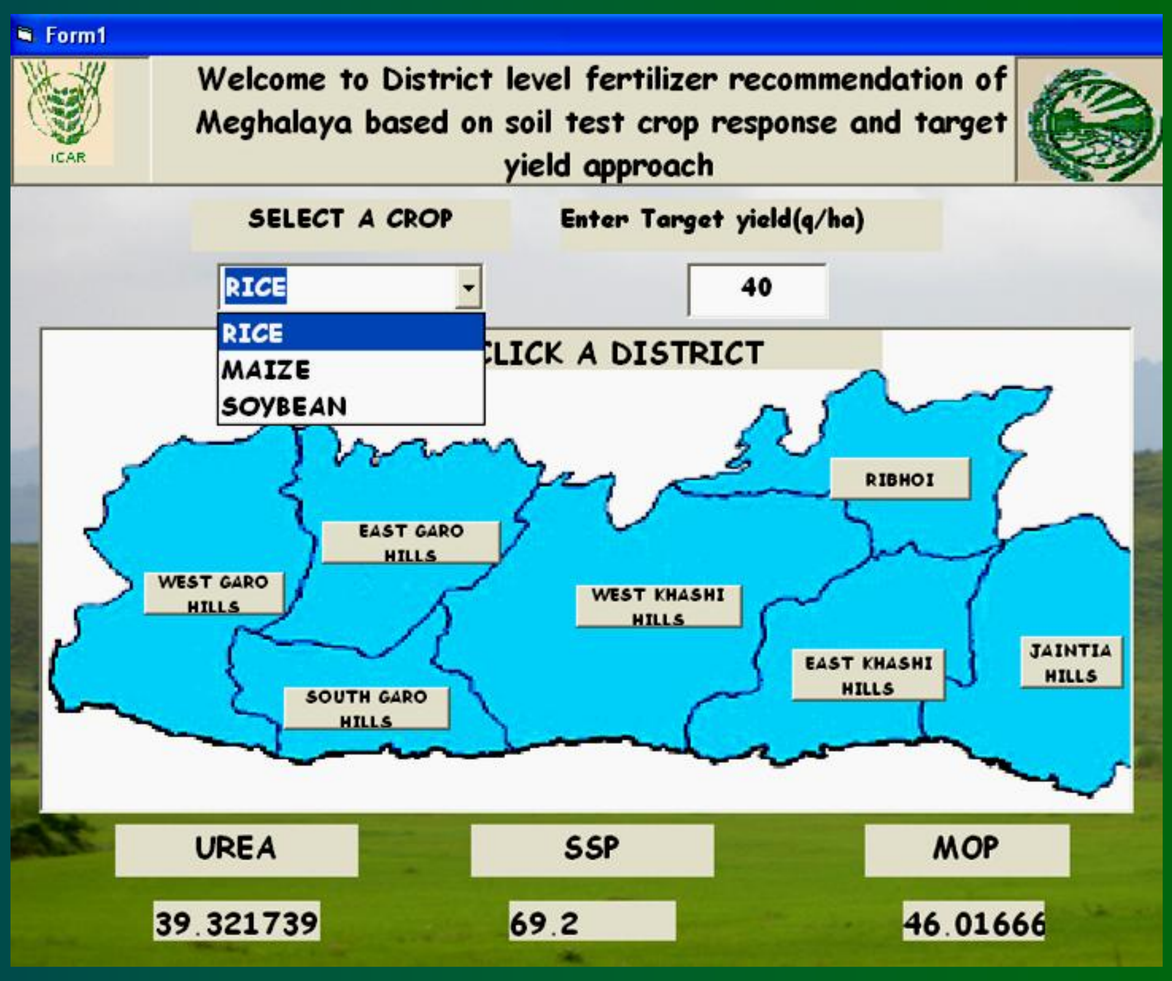


Objectives

- To develop district wise fertilizer recommendation schedules for major crops in Meghalaya essentially based on STCR principles.
- To develop user friendly interactive computer programme for rapid and remote access of informations related to fertilizer use.

Programme Features

- Various menus and sub menus on mouse click will enable an user to acquaint with place/site specific soil test database.
- Several Informations regarding fertilizer amount, stages of fertilizer use, types of fertilizer and their use efficiency can be accessed through user friendly menus and submenus
- The nutrient requirement of different species and cultivars can be calculated by considering their target yield and soil test values of the field/plots.



Rice		P&K Full dose			For N Split		
Requirement of nutrients for Rice	N	P	K	Basal	Tillering	Panicle initiat	
	80	60	40	40	20	20	
Urea (kg/ha)	176			88	44	44	
Ammonium Chloride (kg/ha)	246.4			123.2	61.6	61.6	
Ammonium Sulphate (kg/ha)	400			200	100	100	
Ammonium Sulphate nitrate (kg/ha)	264			132	66	66	
monium nitrate(kg/	235.2			117.6	58.8	58.8	
odium nitrate(kg/h	500			250	125	125	
ydrous ammonia(kg.	96			48	24	24	
rea ammonium nitrate(kg/h	249.6			124.8	62.4	62.4	
lcium ammonium nitrate(kg/l	246.4			123.2	61.6	61.6	
SSP (kg/ha)	0	375					
TSP (kg/ha)	0	124.8					
ROCK PHOSPAHTE(kg/ha)	0	428.4					
Basic slag(kg/ha)	0	199.8					
MOP (kg/ha)		0	66.4				
SULPHATE OF POTAS(kg/ha)	0	0	80				
Potassium nitrate (kg/ha)	0	0	90.8				

Conclusion

- The computer programme is easy to use and desired informations can be navigated at one platform
- Can prove to be highly useful tool for primary and secondary stakeholders viz. DAO's, BDO's and VDO's including all the soil test laboratories of Meghalaya.
- The hungry and thirsty soils of Meghalaya can boost farm production by their well informed farmers as it is not technology alone but informations which is leading us ahead.