Proposed Project Timeline

Proposed Project Time	Timing/Duration of Activity																							
Project Objective:			Timing/Duration of Activity																					
The development goal of this project is to enable resource-poor farmers to			(Quarterly)																					
achieve food security without compromising the sustainability of the			2024																					
	environment by adopting the knowledge generated from the testing and			2024									2025											
calibration of crop simulation models.																								
· ·	Responsible	Indicator, including means		1	(Q2	(Q3		Q4	ļ.		Q1			Q2			Q3			Q4		
	Party	of verification	1 2	3	45	6	7	89	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
				Ш			Ш																	
Objective 1: To improve land pr			p pro	duct	ion	syst	ems.					ı		<u> </u>	ı					ı		<u> </u>		
	ETU-SL,	 Project records. 		Ш																				
	community	 Household surveys. 																						
\mathcal{C}	stakeholders and	 Number of varieties 																						
varieties and hybrids with		introduced and tested																						
	beneficiaries																							
from the subregion and																								
test for registration and																								
release.																								
1.2 Facilitate farmer adoption	ETU-SL	 Number of farmers 																						
of appropriate climate		adopting the practices.																						
smart agricultural																								
practices, soil fertility																								
management, and NRM																								
practices.																								
1.3 Testing and	ETU-SL and	 Number of pearl millet 					П																	
	target	varieties tested and																						
	beneficiaries	demonstrated																						
and downy mildew		 Photos and videos of field 																						
resistant pearl millet		trials conducted																						
varieties in different																								
agro-ecologies of Sierra																								
Leone.																								
	ETU-SL	 Number of improved crop 					т																	
breeder seeds of parents		varieties available to seed																						
of released maize hybrids		companies and other seed																						
and varieties to national		producing entities for				T																		
seed companies and other		multiplication.				T																		
seed production entities																								
to increase certified seed																								
production for marketing																								
production for marketing										1														

in the country.							
1.5 Train smallholder farmers and extension agents on appropriate climate smart crop production and management practices. 1.6 Sensitize and train farmers in monitoring,	ETU-SL	 Number of farmers trained Number of farmers applying the practices. Photos and videos of events Number of awareness meetings conducted 					
surveillance and scouting for the identification, early warning and appropriate control measures for the Fall Army Worm (FAW) and other pests.		 Number of farmers sensitized and trained Number of farmers applying the knowledge. Photos and videos of events 					
		M and NuMaSS predictions on croppin ension agents, researchers, and policy					
	es of furthers, em					i, i chioima i	
level, respectively		, , ,	P-W	,	·		
level, respectively 2.1 .Collect historical and current weather data from strategic locations in target communities to use in model calibration, validation and application.		O Type of weather data collected O Predictions on cropping systems and nutrient diagnosis and recommendations under Sierra Leone condition.					
2.1 .Collect historical and current weather data from strategic locations in target communities to use in model calibration, validation and application. 2.2 .Train farmers in interpreting weather forecasts and using these in deciding on optimal planting and weeding times.	SLeMet ETU-SL	collected O Predictions on cropping systems and nutrient diagnosis and recommendations under Sierra Leone condition. O Number of farmers trained O Photos and videos of training sessions O Number of farmers applying the knowledge.					
2.1 .Collect historical and current weather data from strategic locations in target communities to use in model calibration, validation and application. 2.2 .Train farmers in interpreting weather forecasts and using these in deciding on optimal planting and weeding	SLeMet	collected O Predictions on cropping systems and nutrient diagnosis and recommendations under Sierra Leone condition. O Number of farmers trained O Photos and videos of training sessions O Number of farmers					

collect data for model calibration and evaluation.	beneficiaries	O Number of models tested and validated.																				
Objective 3: To produce crop	and soil simulation	on models to guide quality de	cisio	n m	akiı	ng ai	nd p	olicy	plan	ning	in cl	imate	sma	rt a	gric	ultu	re.					
3.1 .Calibrate, validate models and run simulations to predict performance of crop varieties under changing management practices	ETU-SL	 Number of models tested and validated. 																				
3.2 .Produce simulation maps	ETU-SL	 Number of maps and 																				
and graphs		graphs produced																				
Objective 4: To train farmers		rop and nutrient predictions	and	wea	the	r for	recas	sts, aı	nd us	ing t	hese	in de	cidir	ıg oı	ı tin	nely	agr	ono	mic	prac	etice	es
such as optimal planting and													_									
4.1. Interpret crop and nutrient simulation results to guide quality decision making and policy planning in climate smart agriculture.	ETU-SL	 Predictions on cropping systems and nutrient diagnosis and recommendations under Sierra Leone condition. 																				
4.2 Assess the level of adoption of the generated knowledge over time	ETU-SL, farmers, extension agents, researchers, and policy planners.	 M&E reports Number of questionnaires administered 																				
Objective 5: To enhance the o	apacity of the Un	iversity.					•															
5.1 Strengthen the capacity of the Agronomy Department of the Faculty of Development Agriculture and Natural Resources Management	ETU-SL and project sponsor.	 Number of staff and technicians trained. Number of workshops, seminars and conferences organized. 																				
5.2 Develop a web database and publish study findings in reputable domains/platforms.	ETU-SL	 Website address Type of data held on website Number of publications. 																				