



KCSAP COLLABORATIVE APPLIED RESEARCH GRANTS AWARDED PROPOSALS

SECTION 1: LEAD INSTITUTION AND PRINCIPAL INVESTIGATOR (PI) PARTICULARS			
1.1	LEAD INSTITUTION:	Kenya Agricultural and Livestock Research Organization (KALRO)	
1.2	Principle Investigator:		
	Name: Peter Alaru		
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1.4	E-Mail Address:	peter.alaru@yahoo.com/Peter.Alaru@kalro.org)	
1.5	Collaborators and their affiliate Institutions		
	Evans Ilatsia (KALRO) Ngeno Kiplagat (Egerton University) Magothe Mwaura (Livestock Recording Center) Ochieng Ouko (KALRO) Tobias K’ Oloo (KALRO) Samson Mwangi (KALRO) Leonard Mukhebi (KLBA) Egerton University Livestock Recording Center Kenya Livestock Breeder’s Association		
SECTION 2: PROJECT PARTICULARS			
2.1	PROJECT No. & TITLE:	SS02/3/1 Indigenous Chicken Seed Multiplication and Distribution Among Small Holder Farmers	
2.2	KCSAP Livestock Value Chain (i.e. Dairy, Red Meat, Indigenous Chicken, Apiculture, Aquaculture including Animal Health and Pastures and Fodder:	Livestock	
2.3	Value Chain:	Indigenous Chicken	
2.4	Location (Area)	KALRO	
	Date of Commencement:	Expected Date of Completion:	Total Duration in Months:
			24 months
2.6	Total Cost of the Project (KES):	23,020,380	

3.1	Executive Summary	<p>Indigenous chickens (IC) is a major source of income for the resource limited rural communities in Kenya alongside other developing countries. In addition, IC comes in handy as a source of protein and support to nutrition security. Furthermore, the IC fits into any production system with unique challenges that include harsh environmental conditions, inadequate feed resources and high disease incidences. These, in addition to low genetic potential to produce, lead to depressed and mostly erratic productivity. In this regard, deliberate and structured research efforts have been employed by KALRO; to develop IC breed lines that have enhanced productivity and adaptation to environmental stressors. The subject breed lines have the capacity to boost farmers' resilience to cope with adverse effects of climate change, generate income and guarantee food and nutrition security as envisioned in the Big Four Agenda. It is with this in mind, that this project seeks to multiply and disseminate IC breed lines to small holder farmers in Bomet, Kericho, Laikipia, Uasin Gishu and Nyandarua Counties in a bid to improve their livelihood and resilience.</p> <p>A strategic multiplication network will be established; were KALRO will provide genetic materials to identified and trained multipliers. The multipliers; who will be engaged under a legal framework, will then provide certified genetic materials to farmers for further production and sale. The multipliers will be expected to meet specified biosecurity and production standards to be recruited. By the end of the project, at least 12 strategic multipliers in the identified Counties, each with a capacity to maintain at least 1000 parental hens, will have been identified, trained and recruited.</p>
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