ABSTRACT

The National Agriculture Technology project (RNPS-9) mainly emphasized on developing suitable Agri-horti and Agro-forestry system in Kharif sorghum area decreasing region for overall sustainability of production system. In the experiment custard apple orchards of three different age group (1-2 yrs, 5-7 yrs and 10 yrs and above) were selected for growing intercrops like cowpea, sorghum, horse gram, stylo hamata and cenchrus ciliars along with the application of recommended dose of fertilizer and farm yard manure, which maintained the nutritional requirement of custard apple orchard. The intercrops raised suppressed the weed growth, added more biomass, maintained soil fertility and gave surplus income to growers.

Key words : Generation mean, Gene action, Okra