USING IMPROVED SWEETPOTATO VARIETIES TO CLOSE YIELD GAPS: AN AGRONOMIC APPROACH

• To narrow yield gaps and attain potential yields, this study determined the impact in yield of the ten improved sweetpotato varieties against 4 local checks (GXE) over three seasons (2016-2018) in farmers’ plots and under low input agricultural practices.

• The study design was randomized complete block design (RCBD) with three replications.

• Highly Interactive Data Analysis Platform (HIDAP) was used to compute coefficient of variations (CV), stability analysis for GXE interaction and addictive main effects multiplicative interaction (AMMI).

• Root yield of the improved varieties was significant (P<0.05), a 2 fold increase in yield when compared the national average of 5 t/ha. Farmers selected the most preferred varieties

• When basic management practices are applied to the improved sweetpotato varieties, they can address the future demands for foods and nutrition in the country.