Development of a sensory lexicon for describing boiled sweetpotato in Ghana

A sensory lexicon is a set of standardized vocabularies developed by train panelist for description of products.

From a breeding perspective, sensory lexicons provide an unbiased tool to measure quality traits.

However, it is often difficult to establish a credible panel and lexicon due to time, money and methodologies.

Therefore, simple and efficient methodologies are needed.

- **Objective**

  1) Establish a train panel to be used to evaluate sweetpotato roots in Ghana, 2) develop lexicon for boiled roots and 3) validate panel and lexicon using standardized procedures.

- **Key Achievements**

  - Successfully recruited validated sensory panel capable of describing sweetpotato materials in Ghana
  - Successfully generated validated lexicon for the description of Ghanaian sweetpotatoes (including: 5 descriptors for appearance, 6 descriptors for texture, 10 descriptors for aroma, 3 descriptors for mouthfeel and 5 basic taste descriptors)
  - Successfully used descriptors to describe some sweetpotato materials from our germplasm