

## 2. OBJECTIVES

The objectives of this study were to:

- Characterize sorghums that are widely grown in Zimbabwe in terms of levels of phenolic compounds and kernel properties;
- Determine the effect of various chemical treatments of polyphenol-rich sorghums on their malting and malt quality;
- Determine the effect of various chemical treatments of polyphenol-rich sorghums on their milling and flour quality;
- Determine the effect of various chemical treatments of polyphenol-rich sorghums on their starch properties; and
- Determine the physicochemical properties of starch isolated from sorghum varieties of different polyphenol content and kernel characteristics.