

## Supplementary Tables

**Table S1.** Treatment description.

S/N	Factor	Levels
1	Factor A: Water Stress	Non-water stress (NS, well-watered) moderate water stress (MS), and near terminal water stress (TS)
2	Factor B: Maize cultivars	WE3128, WE5323, and ZM1523
3	Factor C: Soil types	Loamy sandy soil (LS) from Molelwane and Sandy clay loam soil (SCL) from Tlapeng
4	Factor D: Soil amendments	Poultry manure (PM), mineral fertilizer (MF) and mixed PM+MF (50:50)