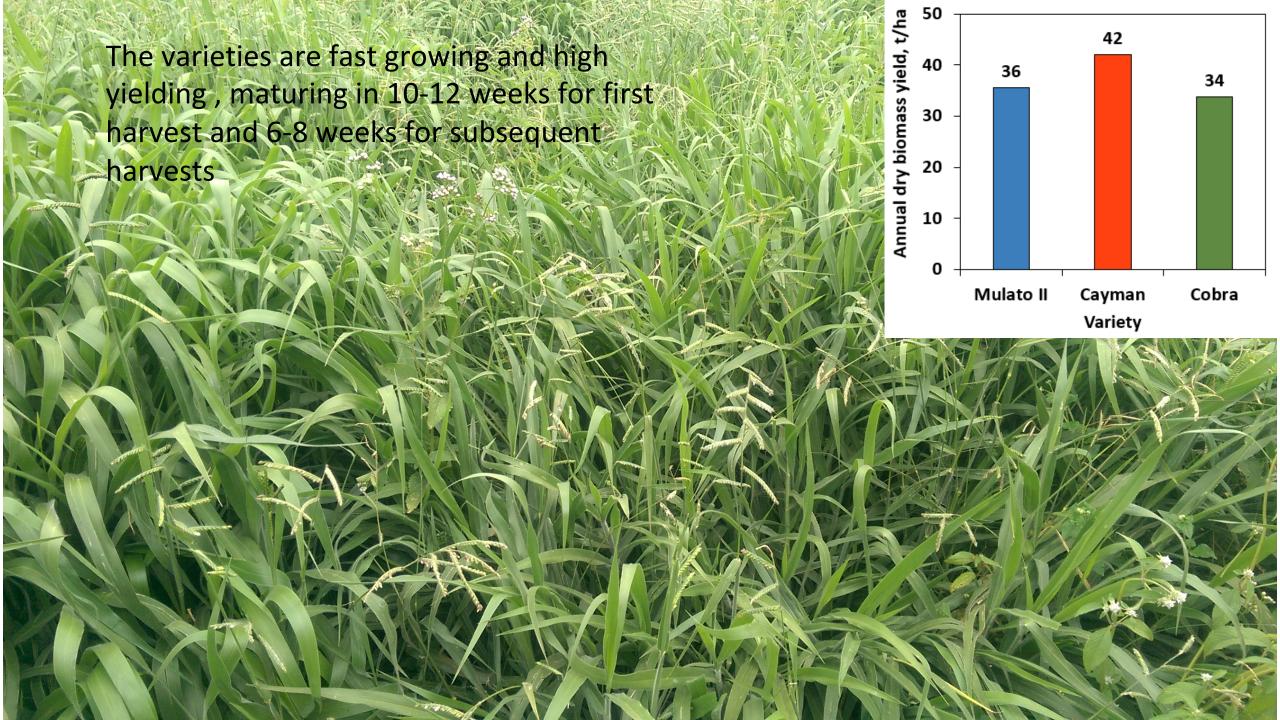
High performance forage plants for feed secure dairy and livestock production systems in Sub-Saharan Africa



We commercially deliver in the eastern, central and southern Africa regions seed of unique forage grass and legume varieties including Brachiaria hybrid grasses (Mulato II, Cayman and Cobra). The hybrids which have clear adaptation and nutritional quality advantages with potential improve to livestock and dairy production in the tropics and sub tropical environments have been developed out of an innovative hybridization of multiple apomictic species in the *Brachiaria* genus (Recently renamed *Urochloa*). Our grass and legume varieties have the potential to transform African livestock and dairy production systems that is currently under threat especially from drought and lack of more productive and drought tolerant forage species that are better adapted to the drier conditions which are intensifying with climate

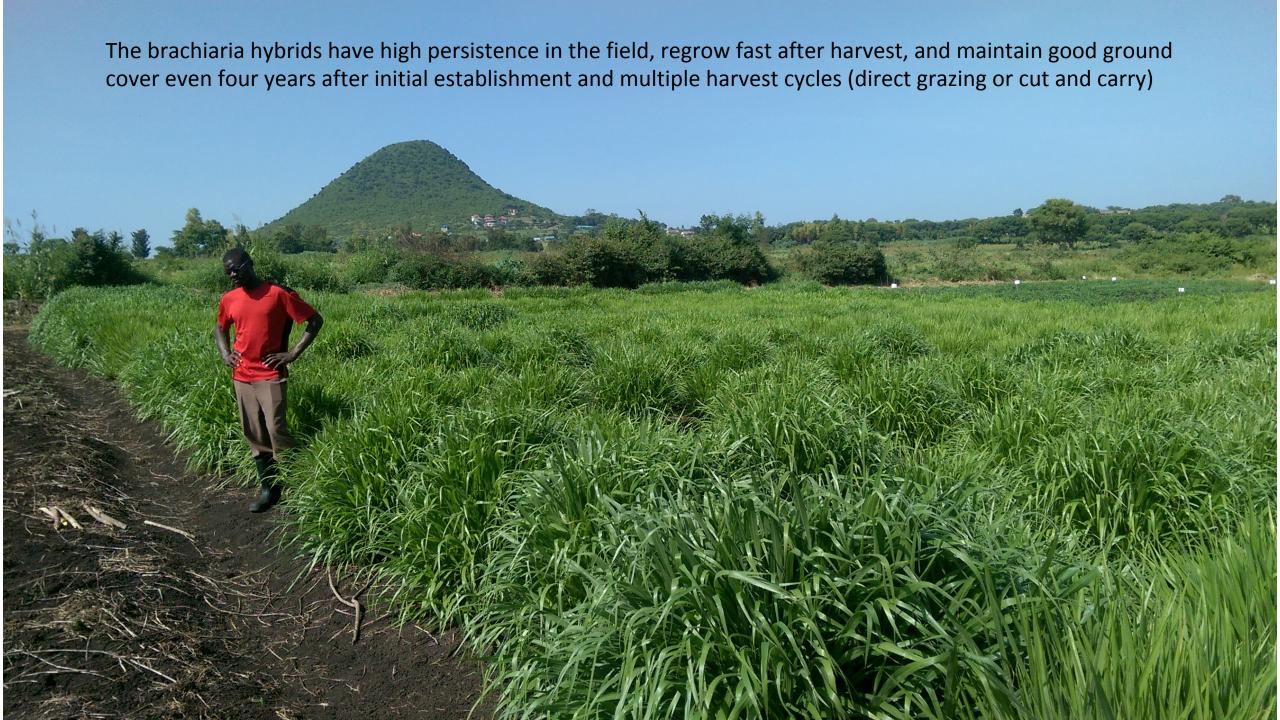


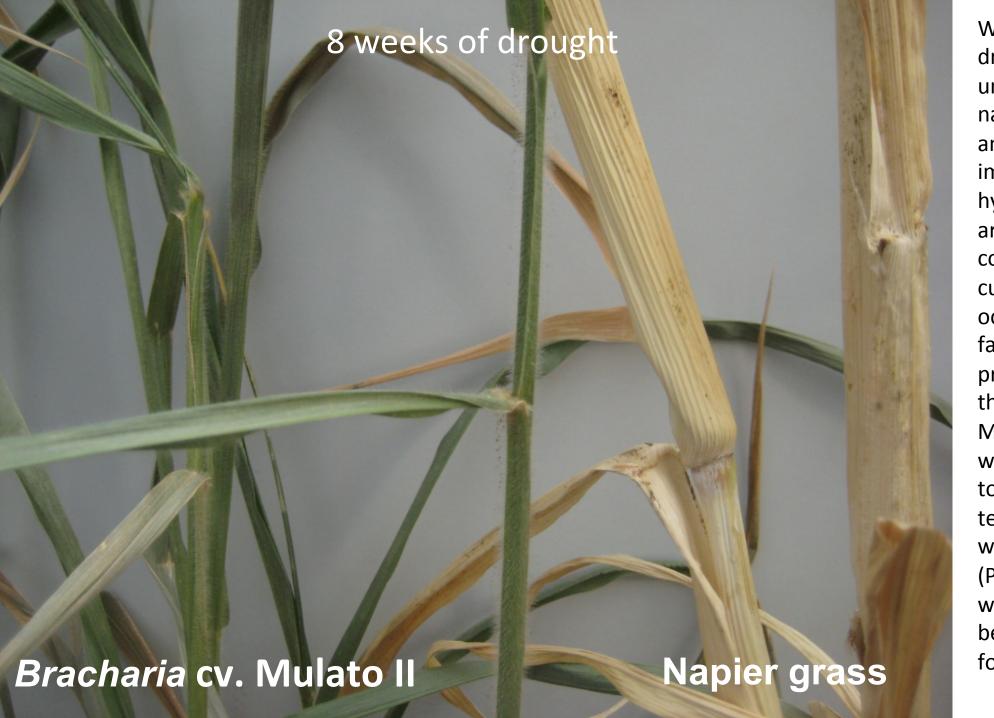






The high yielding hybrids are also suitable for cut and carry systems and are able to regrow fast and maintain good ground cover over many harvesting cycles. The forage biomass can be fed directly to livestock but also preserves well in the form of hay with good quality for baling or could be could be ensiled.





We have conducted drought tolerance trials under controlled and natural field conditions and showed that improved brachiaria hybrids such as Mulato II are more drought tolerant compared than other cultivated and naturally occurring species that farmers in Kenya have previously relied on. In the current picture the Mulato II clearly withstood eight weeks of total drought in a high temperature greenhouse while napier grass (Pennisetum purpureum) was completely dry before the end of the fourth week



The hybrids are well adapted to low fertility and acidic soils.

We have carried out trials in a variety of soils in Kenya ans supplier seed to farmers in different areas and soils and got positive feedback on the performance of the varieties





The hybrids are soft, have high palatability, digestibility with crude protein content of up to 18% making them suitable for beef and dairy production for large and small ruminants whether under controlled grazing or open field









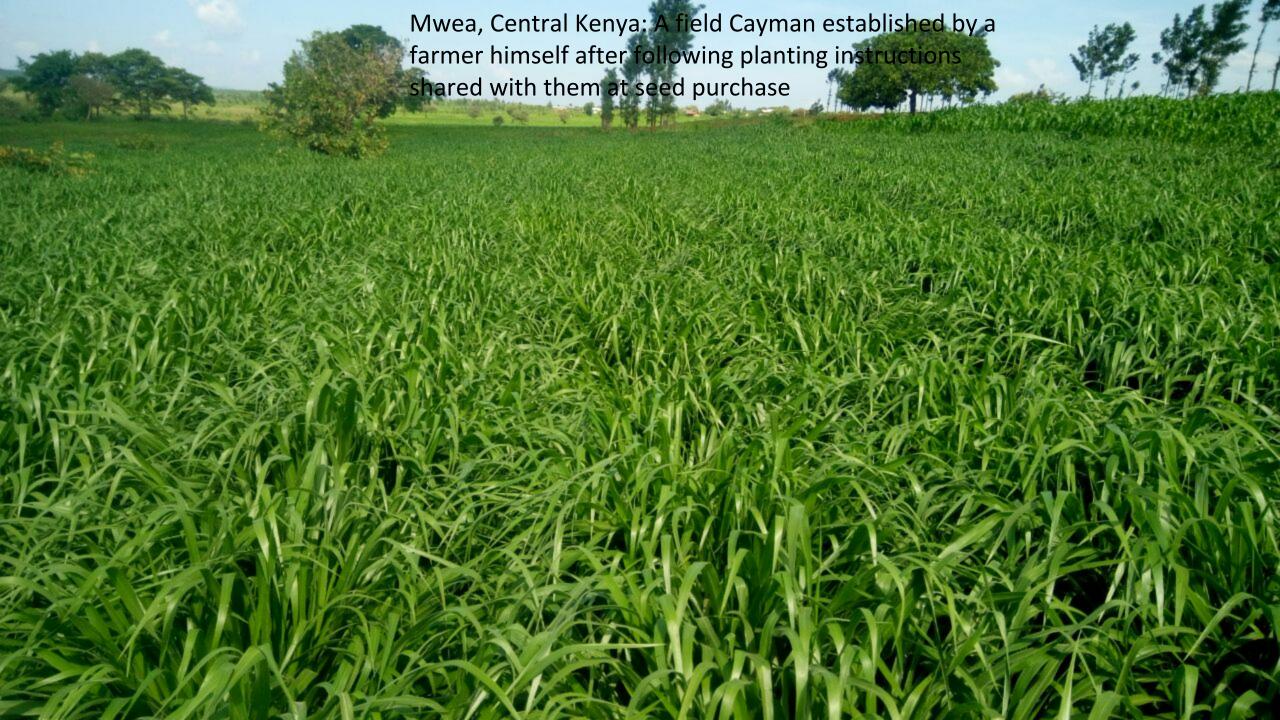








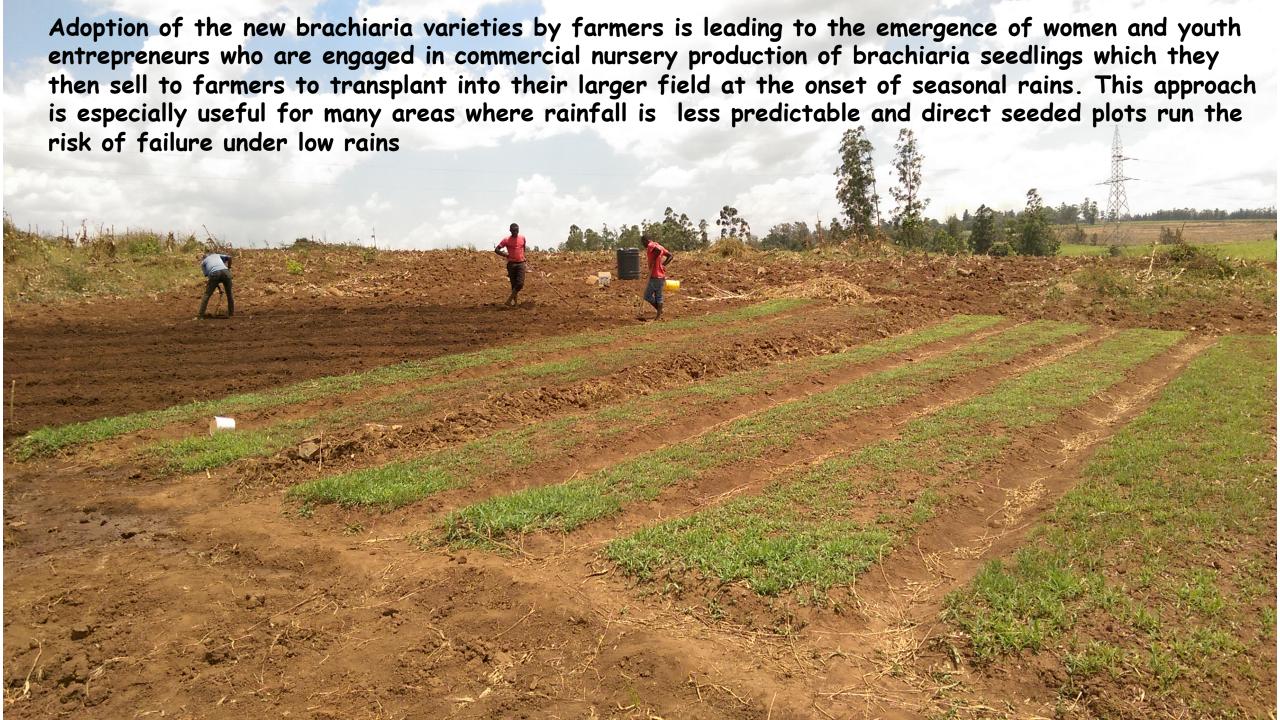








Further integration with other organic manure sources such as farmyard/animal manure would ensure higher and sustainable yield increases for both the cereal and brachiaria forage grass mixtures that farmers grow. With the brachiaria significantly contributing to manure production at the farms









Multiple sites with potential for brachiaria seed production identified. Further work on seed quality optimization underway.













