KARI Mtama-1
Colour: White
Yield: 17 bags (90 kg) per acre
Days to flowering: 58-65
Maturity: 3.5-4 months

Seredo
Colour: Chalky white
Yield: 14 bags (90 kg) per acre
Days to flowering: 45-52
Maturity: 3 months

Gadam
Colour: Chalky white
Yield: 14 bags (90 kg) per acre
Days to flowering: 45-52
Maturity: 3 months

Serena
Colour: Brown
Yield: 9-10 bags (90 kg) per acre
Days to flowering: 65-77
Maturity: 3-4 months

Areas suitable for cultivation
Planting
- **Seed rate:** 3-4 kg per acre
- **Spacing sole crop:** dry areas 90×20 cm, wet areas: 60×20 cm
- **Spacing intercrop:** 120×20 cm (single alternate row of sorghum to row of cowpea - 60 cm, sorghum to sorghum - 120 cm). The space between plants can be achieved through thinning.

Soil fertility
- 50 kg per acre DAP or 20:20:0, 17:17:17, 23:23:0 at planting
- 50 kg per acre CAN topdressing at 5-6th leaf stage

Weeding
- 1st weeding: 1-2nd week after germination
- 2nd weeding: when weeds are visible

Thinning
- 2nd week after germination when soil is moist
- Thin to a spacing of 20 cm between plants

Pests
The major pests in arid and semi-arid lands are shoot fly, stem borers, aphids and bollworms

**Dead hearts caused by shoot fly damage**

**Stem borer larvae**

**Aphid**

**African bollworm**

**Control:** Spray with insecticides during the 1st week after germination and late vegetative stage.

Disease
The most important disease is Covered Kernel Smut (CKS).

**Control**
Plant certified seed, uproot and burn infected plants, crop rotation.

**Covered kernel smut**