

TRAPEZOIDAL BUNDS FOR FOOD SECURITY IN SEMI ARID KENYA AND UGANDA

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Trapezoidal bunds enclose areas for cultivation by a trapezoidal shaped embankment that harvest water from larger catchment areas for improving soil moisture conditions. The volumes of water harvested should be sufficient to sustain a crop in most years.



Figure 2: Trapezoidal bund, Wayu, Galole, Kenya October, 2008



Figure 3: Trapezoidal bund in Wayu after first rain (November, 2008)

1. Catchment/cultivated ratio:

The Catchment/Cultivated Ratio is the key design factor that determines the physical dimensions of the entire system.

2. Tips on contour for overflow

3. Row cropping

