

Farmers' Practices for Weedicide-free Farming

Samatbhai Jada, Saurashtra, Gujarat

Area: 19 Acres **Experience:** 14 years **Crops:** Cotton, Bajra, Groundnut, Mungbean, Sesame, Wheat, Cumin,

☐ Cotton:

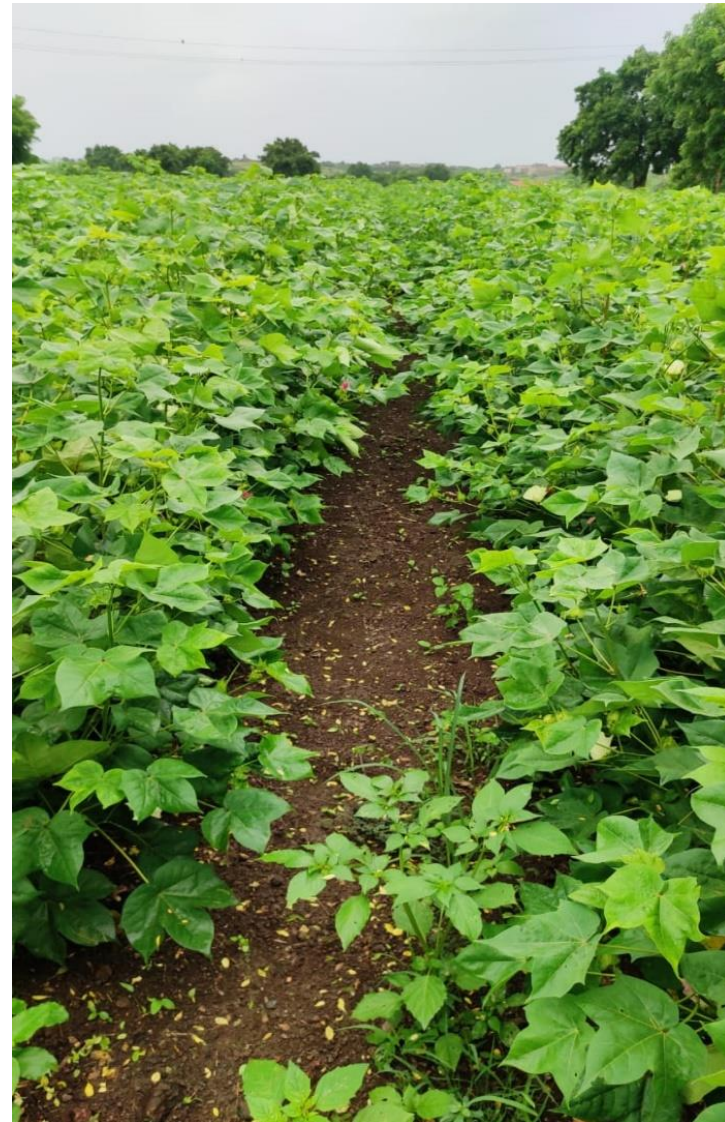
- ☐ Cotton does not need any weedicide as it is distantly planted (5 ft X 2 ft) and weeding is easy and cost effective.
 - ✓ **Upto 2 ft height of the crop:** Harrowing between the rows, hand harrowing between the plants in a row.
 - ✓ **From 2 to 4 ft height of the crop:** Harrowing between rows, soil cover with bunding between the plants in a row using Kenny.
 - ✓ **After 4 ft height:** Interculturing
- ☐ **For crops in which seeds are broad casted (not line sown) and takes 7-8 days for Germination (like Cumin and Onion):** Baby Weeding: Shallow (Only 0.5 inch deep) harrowing after 4 days of sowing, allow a day for drying the soil and before first irrigation. Means irrigate the crop after one day of shallow harrowing.
- ☐ **For crops which germinate like a shoot (eg. Garlic):** Dry mulching like with wheat or paddy husk.
- ☐ **For all line sown crops:** Harrowing, Interculturing and Manual weeding

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**Weed-free
Groundnut
and Cotton**



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Hand Tools
Khurpi and Hand Harrow



Bullock Driven
Harrow



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Bullock Driven Kenny

to create bunds in the row of standing cotton crop so that soil can cover the weeds between two cotton plants

