

MONSANTO



EVERY SEED MATTERS!
EVERY ACTION MATTERS!
EVERY ONE OF YOU MATTERS!

COTTON
SEED PRODUCTION

DOs
 DONTs

SOWING STAGE



Right Spacing



**Normal Method
(2400 plants/acre)**



**Single Plant per
Hill (Thinning)**

Recommended Spacing (in feet)		
Soil Type	Female	Male
Black	5X4	5X2
Red & loamy	5X3	5X2
Sandy	5X2.5	5X2
Red Sandy (Tamilnadu method)	2.75 x 1.75	2.75 x 1.5



**Tamilnadu method
(4500 plants/acre)**



**More Plants per
Hill**

- Spacing vary with hybrid and soil type
- More population to improve productivity
- Single plant per hill improves productivity and quality

VEGETATIVE STAGE



Poor Weed Control



Drip Irrigation



Fertilizer application



Good weed control



Furrow irrigation



Fertilizer application

- Keep your field weed free from initial stages
- Drip irrigation saves the crop under water stress
- Efficient use of fertilizer if it is covered with soil

FLOWERING STAGE



**Improper
Emasculation**



**Morning
emasculatation**



**Improper Disposal
of anthers**



Self Bolls



**Good
Emasculation**



Open flowers



Male Roguing



Only Crossed Bolls

Selfing (leads to genetic impurity) is caused by

- Improper removal of anthers (Emasculation)
- Morning emasculatation
- Retaining open flowers and self bolls
- Improper disposal of anthers
- Offtypes in male plants rows

NUTRIENT DEFICIENCY



Magnesium deficiency



Zinc deficiency



Phosphorous deficiency

Type of nutrient	Dosage per liter of water (in gms)	Dosage per acre (in gms)	Spray schedule
Zinc Sulphate	3	250	45 DAS
Agromin max	5	1000	60 DAS
19:19:19 + micro nutrient	5 + 5	1000 + 1000	75 DAS
Multi K + Agromin max	2.5 + 5	500 + 1000	90 DAS
Multi K	2.5	500	105 DAS
19:19:19	5	1000	120 DAS
Agripro/13:0:45	5	1000	140 DAS
Mg SO ₄ / Boron/Any other micro nutrient	Based on symptoms/requirement		

Micro nutrient spray schedule

- Timely Spray
- Quality of Nutrients
- Preventive spray helps to correct deficiency

POST FLOWERING STAGE



Nipping



Weeds



**Red Cotton Bug on
bursting boll**



Red Cotton Bug



Damaged Boll

- Time of Spray
- Method of spray
- Integrated Pest control

- Nipping helps in boll development and improves seed weight
- Weeds after pollination drastically effect the yield
- Red cotton bug damage cause discolouration inside the boll

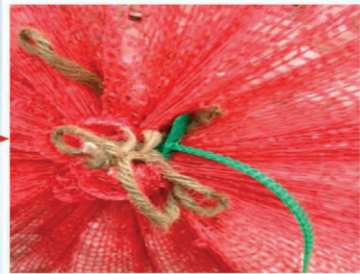
HARVESTING STAGE



Damaged boll



Segregation of rain damage



Storage in lino bags



Right stage of picking



Sorting of Kapas



Kapas drying

- Rain damage effect germinability of seed
- Separation of tight locules and proper drying improve germination

HUMAN RIGHTS



No Child labour



Open wells without fencing



Pesticide handling



Improper disposal of empty pesticide containers



Open wells with fence



Electrical Safety



Well maintained electrical panel board

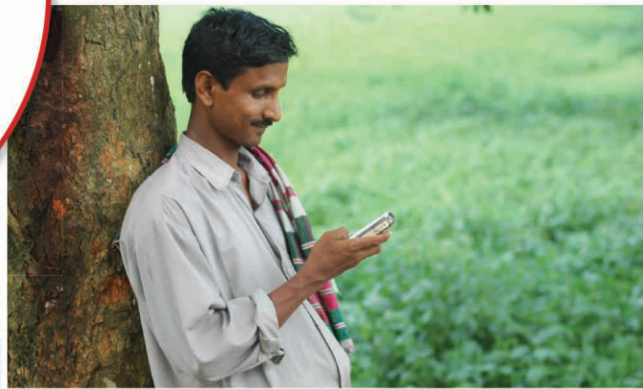


Anti-venom program

Stage-wise Voice Messages

- Agronomy
- Input Management
- Quality
- Outbreak of pests
- Child labour and farm safety

Weather Alerts



QUALITY IS OUR DESTINY
PRODUCTIVITY IS OUR PRIORITY
WE BELIEVE IN UNITY
LET US WORK TOGETHER!

LET US WISH AND AIM FOR -
SUCCESS IN PRODUCTIVITY
EXCELLENCE IN QUALITY
EFFICIENCY IN DELIVERY
DRIVING TEAM SPIRIT