

Seed production recommendations for managing MLND

1. Rotation into fields that have not been in maize for at least one season in addition to deep tillage of seed production fields
2. Planting maize borders treated with granular systemic insecticides surrounding the seed field
3. Seed treatment with systemic insecticide
4. Spraying with appropriate insecticide to control thrips especially prior to roguing
5. Training staff to recognize early infection (breaking of pigment)
6. Aggressive roguing and destruction of plants as soon as virus symptoms are observed (do not leave rogued plants in the field as a host for insects)
7. Regular testing of symptomatic and asymptomatic plants
8. Not harvesting from symptomatic plants
9. Determining the infection level in seed lots produced
10. Implementing a very low threshold infection level above which seed lots will be discarded
11. Not transferring seed to non-endemic areas at all
12. Dry seed to less than 15% moisture
13. Eliminate grasses and other weeds that can serve as virus reservoirs
14. Successive plantings planted upwind
15. Enhanced diagnostic capacity

Source: Recommendations from Workshop on MLN Diagnostics and Management in Africa, Nairobi, Kenya, May 12 – 14, 2015. CIMMYT/AGRA/BMGF