

ASEXUAL PROPAGATION OF GUAVA NURSERY PLANTS

ASEXUAL PROPAGATION

Asexual propagation is a method of multiplication of plants without passing through the seed cycle and producing a clone identical to the parent plant.

BENEFITS OF ASEXUAL PROPAGATION

- ❖ True to type plants
- ❖ Preservation of unique characters of a variety
- ❖ Early bearing
- ❖ Simple, rapid, less labour intensive and economical technology
- ❖ Disease free production of large number of uniform plants in short period of time

PROCEDURE FOR PREPARATION NURSERY PLANTS BY CUTTING

- ❖ Prepare bed with Soil + Silt + Compost (2:2:1)
- ❖ Select healthy and disease free mother plants
- ❖ Collect soft wood cuttings of 10-12 cm in length having 4-5 functional buds
- ❖ Dip basal end cut of the cuttings in 4000 ppm solution of IBA
- ❖ Plant the cuttings in prepared beds at a distance of 5x5 cm under small tunnel of polythene
- ❖ Maintain 80-85% humidity and 25-28°C temperature for 60 days
- ❖ After root development, shift the cuttings in polythene bags filled with Soil + Silt + Compost (2:1:1)
- ❖ Keep rooted plants in polythene bags under large tunnel for hardening
- ❖ After 6 to 8 months, plants are ready for transplantation

HORTICULTURAL RESEARCH INSTITUTE

Ayub Agricultural Research Institute
Faisalabad – Pakistan
Tel: +92 41 9201690
directorhri.aari@gmail.com

