

ABSTRACT

This paper describes an investigation of possible techniques for propagating both mango and cashew by stem cuttings and marcotting.

The problem of fungal attack was reduced by treatment of the cuttings with Miltox either before severing them from the mother tree or by dipping them in a solution containing the fungicide before setting them.

No mango cuttings from mature parent trees rooted in the investigations but some produced abundant callus. Some cuttings were kept alive in a healthy condition for 3 to 7 months under constant mist.

It was not possible to maintain cashew cuttings in a healthy condition for more than a month as compared with cuttings of mango.

Successful rooting results were obtained with marcotting of the mango with Peter and Graham varieties. The average rooting percentage was about 60% for both varieties. Other varieties tried were Nelson, Zabico and Julie. For Julie, the rooting percentage was poor and the roots produced were few and brittle. The role of IBA and NAA was not clear.

Cashew was also successfully rooted by marcotting of young trees especially with the aid of rootone, sorlex and IAA. The average rooting percentage was about 80% when cocoa moss was used as the medium. Attempts to root cuttings from an old cashew tree by this method were unsuccessful.