

CANADIAN TREE IMPROVEMENT ASSOCIATION ABSTRACTS  
FROM THE FIFTEENTH MEETING

BREEDING STRATEGY

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ABSTRACT.--The development of breeding strategy is of paramount importance before breeding is begun in any given species. The purpose of improvement, degree and pattern of variation, and species biology are primary factors to be considered. The choice of the breeding method is another aspect to be taken into account, and selection, hybridization and mutation breeding are discussed here. Selection is well adapted to the characteristics of many species and is most commonly applied. The potential of hybridization has not been fully realized but must usually be combined with some form of selection. The use of special research environments, such as growth chambers, greenhouses and nurseries can give useful partial answers and direction to tree improvement in species where little basic information is available.

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