

### **Working Plan of the Sub-Project “Insect Resistance in Orchid”**

This plan was revised at “FNCA 2005 Mutation Breeding Sub-Project Meeting on Insect Resistance in Orchid” on September 5-8, 2005 in Bangkok, Thailand.

# Participating Countries: Indonesia, Japan, Malaysia and Thailand

# Objective Species: Dendrobium (hybrid)

# Working Periods: FY2003 - FY2007

FY 2003	<ul style="list-style-type: none"><li>•Evaluation and identification of breeding materials</li><li>•Exchange of material clones</li><li>•Initiation of tissue culture of clones</li></ul>
FY 2004	<ul style="list-style-type: none"><li>•Irradiation of PLBs (protocorm like bodies)</li><li>•Determination of radiation sensitivity and optimum dose</li><li>•Development of selection techniques(in vitro)</li><li>•Multiplication of irradiated PLBs (three subcultures)</li></ul>
FY 2005	<ul style="list-style-type: none"><li>•Irradiation of PLBs</li><li>•Development of selection techniques(in vitro)(continue)</li><li>•Multiplication of irradiated PLBs (three subcultures)</li><li>•Transfer plantlets to the greenhouse for selection (Mid-term Review)</li></ul>
FY 2006	<ul style="list-style-type: none"><li>•Development of selection techniques (in vivo)</li><li>•Transfer plantlets to the greenhouse for selections of flower color mutant(s)</li><li>•In vitro selection for insect tolerant clones</li></ul>
FY 2007	<ul style="list-style-type: none"><li>•In vivo selection for insect tolerant clones</li><li>•Meristem cloning of flower color mutant(s)</li><li>•Meristem cloning of tolerant mutant(s) (Final Report)</li></ul>