Minutes of the Breeding Strategy Committee Meeting 9/26/91

Summary

A Breeding Strategy Committee Meeting was held at the Austin Cary Forest in Gainesville, September 26, 1991. At the meeting UF Staff presented a framework of the breeding strategy for review and discussion. A document was distributed which outlined the general points of the strategy.

Discussion

There was agreement that the basic strategies presented were sound, and the strategies were accepted by the Committee. A number of items were discussed, and some areas in need of further study and refinement were identified. Those most commonly mentioned were:

1. Composition of the pollen mix for Polymix Progeny Tests - How many pollen parents? One pollen mix or several? The committee did decide that pollen representative of the 2nd generation average should be used in the pollen mix.

2. Full-sib Block Plantings - Full-sib blocks for within family selection should be replicated at least to protect against catastrophic loss. In addition, we should consider more rigorous testing for full-sib family field performance and SCA effects. Forward selections made in the full-sib blocks should be grafted before the non-selected trees are thinned out for the breeding/clone bank function. Should inbred and selfed selection blocks be larger than outcross selection blocks?

3. Genotype x Environment Interaction - Should progeny testing, particularly of the elite, be directed to different soils/cultural treatments to try and capture additional gain from GxE interaction?

Minutes of Executive Committee Meeting 9/25/91

Budget Shortfall

An Executive Committee Meeting was held in Gainesville on September 25, 1991. Prior to the meeting, the Executive Committee discussed the anticipated budget shortfall with other members of the Advisory Council. In accordance with their wishes, CFGRP will attempt to reduce expenditures while continuing to conduct and complete planned activities.
**Pollen Collection**

Because breeding will likely start in spring, 1993, the CFGRP will collect pollen from key clones in spring, 1992. Each cooperator will collect pollen from 2-3 average clones for use in the pollen mix. Pollen will be sent to Gainesville for testing and mixing. Details on which clones to collect pollen from will be forthcoming. The pollen collected in 1992 will come from backwards selections located in 1.0 or 1.5 production seed orchards.

**Hybrid Study**

Each cooperator in the hybrid study should conduct conelet survival counts of the hybrid crosses in November, 1991. If survival is low, the Executive Committee recommends additional pollinations of the same clones in 1992.

**General Information**

**1992 Advisory Council Meeting**

The 1992 Advisory Council Meeting will tentatively be held April 20-21 at the Austin Cary Forest in Gainesville. The meeting will focus on 1) completed research, and 2) final breeding strategies. For those folks who missed the Breeding Strategy Committee Meeting, there will be a review of the basic strategies from 9:00 am to 12 noon on Monday, April 20. The official Advisory Council Meeting will begin at 1:00 pm, and modifications and/or additions to the strategies which arose from the Breeding Strategy Committee Meeting will be discussed.