At the October 2, 1985 special Spring Advisory Council Meeting, Clifford Henry, Howard Hanna and Erick Krumm introduced a motion which called for more communication and cooperation among the research cooperatives supported by forest industry. The motion was presented to other cooperatives as well, and apparently, was approved by all. As a result of this motion, the two following activities have transpired.

1986 marks the first year that School of Forest Resources and Conservation research cooperatives are planning to hold integrated annual advisory council meetings. The meetings will be held in Gainesville from 1:30 P.M. on Monday, April 21 through noon on Wednesday, April 23. Please mark your calendar and plan to attend. Originally planned for the new Lake Mize conference facility on the Austin Cary Forest, the meetings will now be held in the auditorium of the Doyle Conner Building at 1911 SW 34th Street. You may wish to keep this location in mind when making your motel reservations. Details will be mailed to you as they are finalized.

CFGRP Director, Tim White, recently screened and selected 15 Florida slash pine clones that are proposed for growth and yield studies to be conducted by the University of Georgia, School of Forest Resources Plantation Management Cooperative. The clones were selected for top rust and growth performance data in open-pollinated progeny tests. In making the recommendation, Tim stressed to the Georgia Coop the importance of collecting the seed of these clones from well-rogued or preferably 1.5 generation orchards so that the male side also represents superior material.

Even though the proposed Seed Certification Standards have not been officially adopted by the State of Florida, the process is sufficiently underway to allow the initial field inspections to be conducted this year. Mitch Flinchum accompanied representatives of the Division of Inspection to check isolation requirements of seed orchards and seed production areas for IP, Rayonier, St. Joe, and Champion for possible certification of the 1987 crop. This coming year Mitch will be holding workshops for field inspectors with the certification bureau as well as furnishing instructions to industrial cooperators on how to apply for certified status.
WHERE ARE YOUR SEED PROCESSED?

While all of our cooperators may not be currently interested in applying for certified seed status, it is important that as the program evolves we make plans that will accommodate all. In your next correspondence with our staff please give us the following information:

1) Where your seed are processed, and

2) Which laboratory conducts the germination analyses.

Your cooperation will be appreciated.

CONTINUED SLASH PINE BREEDING

Recent meetings in Gainesville with our staff and DOF, OI, and St.Joe resulted in ambitious 1986 slash pine breeding plans. Collectively, these cooperators will complete approximately 15 more diallels and factorials as part of their second generation breeding program. Let's just hope we don't have any unseasonably cold weather.

DATA DEADLINE

Don't forget! Test measurement data are due in Gainesville by April 1. Data received after the April 1 deadline will not be used in calculating the 1986 clonal evaluations.

LONGLEAF TESTS RE-PLANTED

According to our information, Champion, St. Joe, DOF, Gilman, and OI are planning to re-establish the 1985 longleaf tests that failed due to adverse weather. During the 2nd or 3rd week in March a concerted effort will be made to sow seeds from approximately 150 families at Gilman's nursery.

Other cooperators wishing to take part in the operation should contact Harm Kok.

FLORIDA LOBLLOLLY PROGENY TESTS

CCA, St. Joe, Champion, Gilman, Scott and BPL are planning additional tests to evaluate our Florida loblolly selections. Seedlots are being prepared for each of these companies for nursery sowing this year. These tests will complete the open-pollinated testing of these selections.

RUST-FREE POLLEN COLLECTION

The Gainesville staff is continuing to collect pollen of the rust-free selections located in the UF clone bank for future cooperative-wide breeding. While collecting the pollen over the past few years, Harm conducted his own study regarding the effects of limb girdling on production of catkins. Leaving 44 limbs girdled for two years, Harm found that girdled limbs had more catkins after one year than the ungirdled checks. After two years, the number of male clusters on the girdled limbs averaged more than three times the number on the ungirdled checks.
A new protocol procedure is needed for setting up communications between a version 5.5 polycorder and the NERDC computer in Gainesville. If you have a version 5.5 polycorder and are interested in receiving a copy of the new communications protocol, please contact Greg Powell.

Dumping or downloading data from a polycorder takes a much larger battery power drain than data entry in the field. One cooperator found this out the hard way by losing about 200 records from the end of a data set that was being downloaded. Safeguards against such accidents include the following:

1) Change the back-up battery at least once each year, and

2) If the polycorder shows low battery when the mode changes, be sure to charge battery before trying to transmit or download data.

Harm occasionally sends seedlots to Bent Creek for rust screening and later finds that one or more of the cooperators may have sent the same lot. To prevent this potential overlap and unnecessary expense, please send Harm a list of the seedlots you send to Bent Creek as well as a copy of the results when you receive them.

Our Seed Orchard management Recording System was endorsed at the November 6-7 Contact Persons' Meeting in Mobile, AL. The majority of the cooperators felt that the system is necessary for the individual companies as well as for the coop. Enclosed are the forms that were designed by the Seed Orchard Management Committee. Even though the program is just beginning, and there may be modifications as we try to implement it, would you please put at least one of your orchards on the system now? I realize that you may not have information for all entries, but whatever current or historical records you have, may contribute heavily to the potential of the program. Please send copies of the completed forms to Mitch as soon as you receive your seed yields from the 1985 cone crop.

Recently someone asked me why our seed supply areas are called "orchards" while a group of orange trees are called "groves." Dictionary definitions did not reveal any real differences. Any suggestions???
COOPERATIVE FOREST GENETICS RESEARCH
SEED ORCHARD MANAGEMENT PROGRAM

COOPERATOR: _______________________

ORCHARD SUPERVISOR: _______________________

ORCHARD NAME: _______________________
(INCLUDE SPECIES)

ORCHARD ESTABLISHMENT INFORMATION
DATE(S): _______________________
SITE PREPARATION: _______________________

TYPE (CLONAL OR SEEDLING) ____________
NUMBER OF CLONES OR FAMILIES ___________
TREES PER ACRE ___________

SITE CHARACTERISTICS
SIZE (ACRES) _______________________
PREVIOUS USE _______________________
PREVIOUS VEGETATION _______________________
CURRENT GROUND COVER _______________________

CFRIFF SOIL GROUP (SEE ATTACHED FACT SHEET)

UNIQUE FEATURES:

MANAGEMENT UNIT: _______________________
(IF SUBDIVISION OF ORCHARD)

LOCATION (INCLUDE DIAGRAM IF NECESSARY)

DATE FORM WAS COMPLETED: _________

PAGE 1
<table>
<thead>
<tr>
<th>YEAR</th>
<th>COLLECTION DATES BEGIN - END</th>
<th>TOTAL TREES IN UNIT</th>
<th>BA/AC</th>
<th>AVER. % HARV.</th>
<th>CONE YIELD (BUSHELS)</th>
<th>SEED YIELD (POUNDS)</th>
<th>SEED SIZE</th>
<th>COMMENTS</th>
</tr>
</thead>
</table>

- **ORCHARD NAME**: (Include species)  
- **MANAGEMENT UNIT**: (If subdivision of orchard)  
- **COORDINATOR**:  

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① IF NUMBER OF TREES IN MANAGEMENT UNIT DIFFERS FROM PREVIOUS YEAR, EXPLAIN IN COMMENTS.
② BASAL AREA PER ACRE EXPRESSED IN SQUARE FEET. USE A 10' PRISM, OR = TREES/ACRE x 0.05454 (d64)^2.
③ IF ENTIRE MANAGEMENT UNIT IS NOT HARVESTED, ESTIMATE THE PERCENTAGE OF TOTAL RAMETS THAT WERE COLLECTED AND SPECIFY RATIONALE AND HARVEST DESIGN IN COMMENTS.
④ EXPRESSED IN NUMBER OF SEED PER POUND. IF SEED ARE SIZED, GIVE WEIGHTED AVERAGE.
⑤ THE COMMENTS SECTION IS IMPORTANT. INCLUDE FACTORS THAT YOU FEEL MAY HAVE INFLUENCED YOUR YIELDS, POSITIVELY OR NEGATIVELY, AND ESTIMATE THE IMPACTS.
<table>
<thead>
<tr>
<th>PLANNED TREATMENT AND DATE</th>
<th>DATE APPLIED</th>
<th>COMMENTS(^{(2)})</th>
</tr>
</thead>
</table>

\(^{(2)}\) BE AS DESCRIPTIVE AS POSSIBLE. INCLUDE RATES, ACTIVE INGREDIENTS, FORMULATIONS, ETC.