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Progress Report

The major emphasis was placed on chemical application equipment, grain drying, curing peanuts, and storage of grain and peanuts.

Extension agents from across the state were trained in agricultural chemicals and chemical application in preparation for training dealers and applicators who must be licensed under the North Carolina Pesticide Act. A pesticide training manual was prepared for this training and is now in press for wider use by dealers and applicators to prepare for their licensing examination. The extension agricultural engineer prepared the equipment section and the calibration section of the manual, and conducted the agent training in this area.

The first Tractor Pulling Contest was conducted at the North Carolina State Fair and was a great success. The extension agricultural engineer is continuing to serve as co-chairman of this event and plans are made for a second pulling contest.

A series of one-day training schools was conducted for extension agents on grain drying. This continues to be of major importance in several areas of the state.

A two-day workshop for extension agents from 32 counties served by Duke Power Co. was conducted in cooperation with extension agricultural engineers and Duke Power Co. at the Duke training facility. A program on grain drying was included in this workshop.

A peanut digging, inverting and salvaging demonstration was conducted at the annual Peanut Field Day in which all the major peanut equipment manufacturers participated, and approximately 1000 people attended.

Since peanuts are all mechanically harvested and cured, the marketing time has been shortened. This along with marketing program changes has created a marketing problem during the harvesting season. Alternative ways to store the peanuts on the farm are being studied.

4-H work received a major emphasis this year. A series of one-day training schools for extension agents was conducted in each district. Each engineering project was explained to the agents.

The 26th 4-H Electric Congress was conducted at Charlotte with approximately 200 boys and girls and 75 adults attending. The Electric Congress is sponsored by the electric companies in North Carolina and is an award for work in the 4-H Electric Project. The program consists of an education program, tours, recreation, and presentation of awards.

4-H electric demonstration district contests were conducted in each extension district with a State Demonstration Contest during 4-H Congress.

An Auto Skill Driving Contest was also conducted during 4-H Congress.

Committees Served On

John W. Glover

1. Campus Stores Advisory Committee
2. Agricultural Chemicals School Program Committee
3. Pesticide Training Sub-Committee
4. Extension Commodity Coordinating Committee - Peanuts
5. Extension Commodity Coordinating Committee - Cotton
6. Extension Commodity Coordinating Committee - Feed Grain
7. N. C. State Fair Tractor Pulling Contest Committee (Co-Chairman)
8. N. C. State Fair Harvesting Sub-committee, Peanut Educational Exhibit
9. ASAE PM-41 Agricultural Chemicals Application Committee
10. Fertilizer Application Sub-Committee (ASAE PM-41)
11. North Carolina Agricultural Extension Service Energy Crisis Committee
12. North Carolina Agricultural Extension Service Pesticide Education and Container Committee

Publications

John W. Glover

1. Glover, J. W. 1972. Curing Virginia type peanuts. Virginia-Carolina Peanut News 18(4).
2. Glover, J. W., et al. 1972. North Carolina Agricultural Chemicals Manual. Division of Continuing Education, North Carolina State University.
3. Glover, J. W., et al. 1973. North Carolina Pesticide Training Manual. School of Agriculture and Life Sciences, North Carolina State University.
4. Glover, J. W. and Jack V. Baird. 1973. Performance of spinner type fertilizer spreaders. Transactions of the ASAE 16(1):48-51.
5. Glover, J. W. Converting bulk curing barns (for sweet potato curing). Southeastern Farm and Livestock Weekly. March 8, 1973.