

1971 - 72

PROGRESS REPORT

FARM MACHINERY AND ELECTRIFICATION

Extension efforts in farm machinery and crop drying continued with major efforts being in the field of chemical application and quality harvest, curing, and storage of peanuts and grain.

The North Carolina Pesticide Law of 1971 will require future licensing of commercial or custom applicators. Agricultural Extension will be responsible for establishing the educational efforts needed to insure proper application by these applicators. The Extension Agricultural Engineer has been involved with conferences with members of the Pesticide Board and sub-committees concerning adequate application equipment, and is now in the process of preparing a publication on chemical application equipment, its use, and calibration.

North Carolina made a major extensive effort to promote the quality production of cotton with maximum yields and minimum losses. A series of five area cotton picker schools and clinics were conducted throughout the cotton belt to emphasize the proper use of cotton pickers to reduce losses. The manufacturers of cotton pickers cooperated in conducting the clinics and assisted in providing the instructions for adjustments for the various machines.

A major soybean emphasis was prepared for the 1971 State Fair. The Extension Agricultural Engineer was responsible for preparing the soybean machinery exhibit. A similar exhibit is being prepared on peanuts for the 1972 Fair.

A tractor pulling contest is being planned for the 1972 State Fair. The Extension Agricultural Engineer is co-chairman of this committee and has prepared the rules and made plans for the event.

The 4-H Electric Congress is an annual event sponsored by the electric utilities in North Carolina and the Agricultural Extension Service. Leadership for the 4-H Electric Project and Congress is provided by Extension Biological and Agricultural

Engineering. The 1971 Silver (25th) Anniversary Congress was conducted in Wilmington in July with approximately 215 4-H boys and girls from 90 counties in attendance. The Congress consists of an educational program, tours, recreation, and the presentation of project awards. In addition to the regular state project award, there are also 16 special territorial awards: two television sets for first place (boy and girl) and two tape recorders (boy and girl) from each of the four territories (areas) served by the four North Carolina electric utilities.

Plans are being finalized for the 1972 4-H Electric Congress which will be held in Charlotte, N. C.

A two-day workshop for Extension agents (4-H) was conducted for the 32 counties served by Duke Power Co. This workshop was a cooperative effort between the Agricultural Extension Service and Duke Power Co. Instruction was given on electrical subjects that would be of interest to 4-H, and the use of the 4-H electric manuals was explained.

COMMITTEES SERVED ON

1. Extension Service - Long Range Planning: Grain, Feed, Forage Crops, and Turf Subcommittees.
2. ASAE - PM-41, Agricultural Chemical Application Committee
3. University Campus Stores Committee
4. N. C. State Fair - Co-Chairman, Tractor Pulling Contest Committee
5. N. C. State Fair - Wonderful World of Soybeans Committee (1971)
6. N. C. State Fair - Peanut Exhibit Subcommittee (1972)
7. Program Committee for Pesticide School
8. BAE Department Agricultural Institute Curriculum Committee

MEETINGS ATTENDED

1. Regional Extension Agricultural Engineers Conference, New Orleans, Louisiana, October 19-21, 1971

ARTICLES AND PUBLICATIONS

1. Curing Virginia Type Peanuts, Virginia-Carolina Peanut News, Vol. 17, No. 4
2. Understanding Air Flow, Virginia-Carolina Peanut News, Vol. 17, No. 4
3. Selection and Operation of Sprayers, Virginia-Carolina Peanut News, Vol. 18, No. 2
4. Engineering Section of North Carolina Pesticide Manual (1972)