

# Minimum Tillage Gaining Support

By NAT B. WHITE, Soil Conservationist

Throughout the Southeast there is a movement toward "minimum tillage,"—that is, stirring the soil just as little as possible in producing a crop. Row crops are planted directly in cover crops, in established sods, or in crop residues of the previous crop without any land preparation beforehand.

In North Carolina this practice is known as mulch tillage. Complete details on this method of farming are included in an eight-page leaflet just released by USDA's Soil Conservation Service. J. T. McAlister, SCS engineer, Orangeburg, S.

C., is the author. Announcement that the leaflet is available was made this week by R. M. Dailey, state conservationist of the Soil Conservation Service. Copies may be obtained from the local SCS office, U. S. Department of Agriculture, Soil Conservation Service, P. O. Box 446, Warrenton, North Carolina.

The new leaflet is profusely illustrated with photographs and diagrams. It discusses the subject of mulch tillage in a concise and simple manner which will enable farmers to quickly grasp the fundamental principles of planting and cultivating in crop residues.

**Negro FARM AGENT NEWS**  
LEONARD C. COOPER  
Negro County Agent  
I. W. MURFREE  
Asst. Negro County Agent

**Peach Spray Information**  
Insect and disease control is essential to successful peach production in North Carolina. The occurrence and severity of attack vary from area to area and season to season. For most economical and effective control, each grower must know his insect and disease problems are so that the proper control practices can be employed at the right time.

Fungicides and insecticides in the form of sprays and dusts are used to fight the problems.

You can usually control most insects and above-ground diseases of peaches by following these suggestions:

1. November: Dig the peach borers out of the base of the tree or treat with ethylene dichloride emulsion (follow manufacturers' directions for dilutions).
2. December to January: Spray with oil emulsions diluted to 2% actual oil (1 1/2 pint to 3 gallons of water). Do not spray when you expect freezing temperatures within 4 hours.
3. February (before the buds swell very much): Spray with dry lime-sulphur (1 pound in 3 gallons), liquid lime-sulphur (3 pints

to 3 gallons) or ferbam (76%) 1 1/2 ounces (9 tablespoons) to 3 gallons for peach leaf curl.

4. April-May-June: Pick up and destroy all peaches that drop from the tree. Spray at the times indicated in the peach spray program, using malathion (25%) at 2 ounces (9 tablespoons) plus either captan (50%) one ounce (4 tablespoons) or wettable sulphur 3 ounces (9 tablespoons) per 3 gallons of water. You can use the sulphur or captan close to and during harvest, but omit malathion in sprays closer than one week to harvest. For each application, you will need about 2 to 5 gallons of spray mixture for each bearing tree. Do not try to use parathion.

**Soil Conservation Practices**  
When the use of the land is decided, its treatment must be planned. This includes such things as lime, fertilizer, rotation, strip cropping, drainage, water disposal (terraces, meadows and outlets) contour tillage, woodland management, pasture management, etc.

A good crop rotation is one that keeps the land occupied with a crop throughout the year and provides enough close growing crops for needed erosion protection. It should also provide enough vegetation and crop residue to maintain the organic content of the soil, and aid disease and weed control. Legumes are used in a rotation to grow nitrogen while producing cover and organic matter.

Organic matter or humus is the life of the soil. It is the home of beneficial bacteria needed to produce food for plants. When we burn corn stalks, weeds, grass, etc., we are robbing the soil of humus as well as fertilizer. Nitrogen goes back to the air while the lime, phosphate, potash, etc., may be washed from the land or leached. Manure is another valuable source of humus and nitrogen. It should be saved and used carefully.

## Announcement By Negro Agent

Phone 204-1  
MRS. BERTHA FORTE,  
Negro Home Ec. Agent  
Telephone 953-1

Monday, Nov. 19: 1 p. m., Pine Grove Home Demonstration Club will meet as scheduled.

7:30 p. m., Macon Home Demonstration Club will meet at the home of Mrs. Nancy Boyd.

Tuesday, Nov. 20: 12:30 p. m., Shocco Home Demonstration Club will meet as scheduled.

2:00 p. m., Mayflower Home Demonstration Club will meet at the home of Mrs. Elizabeth Perry.

Wednesday, Nov. 21: 1 p. m., Ellington Home Demonstration Club will meet as

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Private Julius P. Brauer (right), Norlina, N. C., of Company C 15th Battalion, Fourth Training Regiment, is congratulated by Lt. Col. Joe D. Hennessee (left) Commanding Officer, Fourth Training Regiment, Fort Jackson, S. C.

scheduled.  
2:30 p. m., Russell Union Home Demonstration Club will meet at the home of Mrs. Eliza Terry.  
Thursday, Nov. 22: Holiday.  
Friday, Nov. 23: 2 p. m., Elam Home Demonstration Club will meet as scheduled.

## Norlina FFA Chapter Meets

The Norlina FFA Chapter held its regular fall supper on Wednesday, November 14. The menu consisted of barbecue, Brunswick stew, potato salad, cole slaw, hush puppies, pickles, pie, tea and coffee.

The following mothers served the supper: Mrs. Ben Lynch, Mrs. Elsie Summerell, Mrs. Gerston King, Mrs. Philip Bender, Mrs. Albert Bender, Mrs. E. E. Hecht, Mrs. Frank Perkinson, Mrs. Pete Rose and Mrs. Ira Weaver.

Opening ceremonies were presided over by Richard Bender, president. Wade Schuster, Jr., gave the invocation. Special guests attending were Miss Clifflie King, Chapter Sweetheart, Miss Hazel Jean Perkinson, former Chapter Sweetheart, and Messrs. N. D. Read, Bob Price and Charles Miller.

Following the delicious meal, the group adjourned to the music room where Thomas Salmon played the harmonica and piano and Wade Schuster the guitar and also sang several solos. Joining in singing the final number were Hubert Moseley, Richard Bender, George Holtzman, Wade Schuster, Jr., and Thomas Salmon.

A movie was enjoyed, after which the meeting adjourned.—George Holtzman, Reporter.

**Williams-Hedrick**  
Miss Glenda Hedrick, daughter of Mr. and Mrs. Glenn Brady Hedrick of Statesville, became the bride of John Lewis Williams, son of Mr. and Mrs. Jonas C. Williams of Winston-Salem, in the Statesville Presbyterian Church on October 20. Mr. Williams is the grandson of Mrs. John Buxton Williams and the late Mr. Williams of Warrenton.

Mr. and Mrs. Junious Aycock and Travis, Mrs. Delia Aycock and Mrs. W. L. Fleming were dinner guests of Mr. and Mrs. Lewis Aycock at Winston-Salem Sunday and visited Miss Lynn Aycock at Duke University during the afternoon.

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## Rural Youth Faces Difficult Job Situation

Rural youths must prepare themselves educationally for stronger job competition in the future regardless of whether they plan a career on the farm or in town, says R. L. Johnstone, extension economist at North Carolina State College.

Both on-farm and off-farm opportunities will be available for youths with the necessary background and training, Johnstone predicts. But for those poorly prepared the going will be rough.

Johnstone says rural youth often face a double problem in securing a job, since they frequently must leave the farm and make a social adjustment to city life.

Nationally, an estimated 65 to 85 per cent of rural boys and girls must leave the farm, Johnstone said. In North Carolina, he added, it is estimated that only six per cent of the rural youth has an opportunity to locate on a farm with annual marketings of \$10,000 or more.

Johnstone said the off-farm movement will be made necessary for two reasons. First, there are many more farm boys than are needed to replace their fathers. Figures on this replacement ratio in North Carolina show that in most areas there are from one and a half to two and a half as many boys reaching

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15 years as there are farm operators who die or retire. Secondly, output per farm worker, which has been increasing at about six per cent annually, is expected to continue increasing. If this occurs, farms will become fewer, larger, more mechanized.

Coupled with this competition on the farm, will be competition for jobs in urban centers, Johnstone predicts. Economists estimate that 36 million people will join the U. S. labor force in the decade ending in 1970.

The year 1965 is expected to bring the biggest challenge, Johnstone says. That year and continuing through 1970 about 3.8 million youth will reach 18, as compared to about 2.8 million now.

Acute employment problems already have developed in many urban areas, Johnstone says. There are difficulties involved in the creation of new jobs in the face of automation, as well as in providing training necessary for new workers to fill new jobs.

Along with unemployment there is often a shortage of adequately trained workers. "In Chicago alone it is estimated that 200,000 workers with certain skills could be

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employed today if they were available," Johnstone added. "It is the preparation that rural youths receive now that will determine whether they end up among the unemployed or find satisfactory jobs in the future."

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