

**INFORMATION ON SEEDING WHEAT**

By C. B. Williams, Of the North Carolina Experiment Station —Farmers Should Read Before Sowing Wheat In Fall.

It is frequently advisable for a goodly number of North Carolina farmers who have land suitable for the growth of wheat to grow enough of this crop for their own needs and to spare.

The sections of the State best suited for the growth of this crop are the Piedmont and Mountain portions. There are soils, however, in the Eastern portion of the State on which this crop can with proper care be grown, but its general growth in that portion of the State is not to be encouraged. Wheat makes its best growth in the Eastern part of the State on well drained soils of a clay, sandy clay or loam nature underlain by a clay or sandy clay subsoil.

**Planting the Crop.**

In order that wheat, as with other crops, may make its most satisfactory growth, it is of the highest importance that the seed-bed be properly prepared and fertilized and that the crop be planted at the right time. There is no question but what poor yields are generally due to either poor preparation of the soil, lack of proper fertilization, poor seed or too late planting when the wheat is sown on the right kind of soil. Wheat, as with other small grains, requires that the land be fairly compact below and fined on the surface to a depth of two to three inches so that the seed will be in a mellow seed bed if best results are to be secured. In order to obtain this condition,

it will generally be necessary to break the land some little time prior to planting so that the soil will receive a rain or two and settle. Just immediately before planting the surface should be disked and harrowed to the depth indicated above in forming the seed-bed. If these precautions are taken, generally good results will follow.

**Fertilizing the Crop.**

For average soils in the Mountain and Piedmont sections of the State, the use of 300 to 600 pounds per acre of a fertilizer mixture containing 10 to 12 percent available phosphoric acid and about 2 to 3 percent of ammonia will give satisfactory results. This mixture should be applied at the time the crop is sown. On very poor soils, nitrate of soda may be applied at the rate of 75 to 100 pounds broadcast per acre at about the time in the spring the plants are beginning to send up stems for the formation of heads. Where manure can be applied to the land during the fall, winter or early spring, an application of nitrate of soda will not be needed, certainly not if the application of manure is fairly liberal. With soils that have had a good growth of peas, clover or soybeans plowed in during the early fall, the amount of ammonia in the mixtures given above may be reduced materially and if the growth is fairly large left out entirely. However, with most of our soils, the mixture indicated above will be the one that should be most generally used in fertilizing this crop.

**Sowing the Seed.**

In the sowing or drilling of wheat, it will generally be the

safest plan to wait until after a good frost has occurred. This is recommended because of the fact that frequently if this precaution is not observed there may develop the following spring, certainly in some years, trouble from the Hessian fly. If the seeding is delayed until soon after a good frost, it has been our observation that there is considerably less danger from damage from this insect than if the seeding is made earlier.

Generally, in the Piedmont section, the best date for seeding is from October 20 to 30. For the mountain section, seed a little earlier. In seeding, it will not be well to use the seed too sparingly. Ordinarily, it is recommended that from a bushel and a half to two bushels be used to the acre.

**Varieties to Plant.**

For a number of years, the Experiment Station has been studying the relative value as yielders of different varieties grown under different conditions existing in different parts of the State. As a result of this work, would recommend Leap's Prolific, Purple Straw and Fulcaster.

**Preparation of Land.**

Great care should be exercised to see that the land set aside for the growth of wheat is broken well some 4 to 5 weeks in advance, and that just before the seeding it may be put in a finely pulverized condition by disking and harrowing. No pains should be spared to see that the seed-bed is put in proper condition as this a very determining factor in securing a good stand and yield.

**Seeding Red Clover in Wheat.**

In many cases, early the next spring, it will be a good plan to

seed red clover at the rate of about 12 pounds of seed per acre. The clover, after the wheat has been removed, should make a good growth for at least one cutting the first and two the second year. If planned to sow red clover on the wheat in spring, it will be necessary where lime has not been added during the last two or three year to apply broadcast 1½ to 2 tons of ground limestone, or its equivalent in some other form of lime, this fall, to be assured of success with the clover.

**Build New Homes On Danbury Route 1**

Monroe Fagg, of Route 1, is hauling material from Walnut Cove to erect a nice new home near the site of his present home.

E. R. Nelson will erect a nice new home near Piedmont Springs in the fall.

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Owing to the reduction in the price of horse and mule shoes and nails I want to co-operate with my patrons and will put on four new shoes for \$1.00 and guarantee my work.  
P. N. ARRINGTON,  
of Walnut Cove and Stokesburg.

**Fred Shore** has bought his Dry goods, shoes, hosiery, irons beds and mattresses, springs, furniture stoves, ranges, pillows and rugs.

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Now if you want to stretch your dollars come to the Big Store that buys right and Sells For Less.

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**FEDERAL ROAD MAP NOW IN MAKING**

Government Will Spend Money Only On Roads That Connect States, Counties, Cities, Etc. Will Have Great System.

A system of highways that will serve the whole country and will be far superior to any other in the world is being mapped out by federal and state engineers. It is estimated that the system will comprise 180,000 miles of road. Federal Highway act specifically requires that all federal aid be spent on a connected system of highways consisting of not more than 7 per cent of the road mileage in each state, and that this system shall consist of interstate or primary roads and intercounty or secondary roads.

Proposed systems have been received by the bureau of public roads of the United States department of agriculture from all but eight states. They are plotted on a large map of the United States and carefully examined as to co-ordination with the roads

of adjacent states and service to all sections of the country. Where co-ordination is not satisfactory conferences are held with all interested state highway officials and routes adjusted.

Many states have already adjusted difficult problems with their neighbors. As an example the system sent in by Nebraska showed a gap in an important road along the northern boundary. It was learned, however, that South Dakota would construct a highway that would fill this gap like pictures on toy blocks convenient to one another. Since the Federal Highway act of last November became a law only roads certain to be on the system have been approved for construction.—U. S. Bulletin.

**Samuel Hairston's Great Loss**

Samuel Hairston's recent loss by hail on his tobacco plantations in Stokes is estimated by himself at thirty thousand dollars. This was indeed a catastrophe of the first magnitude. Mr. Hairston's many Stokes friends sympathize with him sincerely.

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**Carolina-Virginia FAIR**

**MOUNT AIRY, N. C.**  
**Sept. 26, 27, 28, 29, 1922.**

**MOTOR CYCLE RACE.**

Tuesday, Sept. 26th.	Purse
Motor Cycle Race 10 miles	\$100
Wednesday, Sept. 27th.	
Motor Cycle Race 10 miles	\$100
Thursday, Sept. 28th.	
Motor Cycle Race 10 miles	\$100
Friday, Sept. 29th.	
Motor Cycle Race 10 miles (Conciliation Race)	\$100

Conditions: Entrance fee 5 per cent. Five per cent deducted from money winners. Four or more to enter, four to start. No one can win more than one money in one race. Each mechanic allowed one mechanic to render service required during race. Money divided 50, 25, 15 and 10 per cent. Entries close Tuesday, Sept. 12, 1922, except in conciliation race, which closes Thursday, Sept. 28th, 6 o'clock p. m. Right reserved to reject any entry or declare off on account of rain.

**HARNESS RACES.**

Class Races.	No. 1 2:14 Pace	\$300
	No. 2 2:19 Pace	\$300
	No. 3 2:24 Trot	\$300
	No. 4 2:14 Trot	\$300
	No. 5 Free for all	\$300
Stake Races.	No. 1 2:22 Trot 'closed'	\$1,000
	No. 2 2:17 Trot 'closed'	\$1,000
	No. 3 2:20 Pace 'closed'	\$1,000

Conditions Class Races: All races under rules N. T. A., of which this association is a member, with stated exceptions. Colored drivers barred. Money divided 50, 25, 15 and 10 per cent. No horse can win more than one money, \$10.00 to enter. (Not to be added to purse) No deductions from money winners. Two or more horses from same stable may enter each class. Time allowance, if any, must be claimed when making entry. Right reserved to declare off any race. Entries close Tuesday, Sept. 19th, 1922. Records made that day no bar. Send entries to

**EDW. M. LINVILLE, Sec.,**  
**MOUNT AIRY, N. C.**

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