

HOME GROWN SEED WHEAT IS BEST



By R. Y. Winters, Division of Agronomy, N. C. Experiment Station, West Raleigh, N. C.

It is a custom among some wheat growers to secure new seed from States further north every few years. It is claimed by these growers that wheat deteriorates when grown here several years in succession. Some even believe that a part of the wheat turns to cheat. The seed gotten from further north is said to yield better than the home-grown seed when planted here.

Home-Grown and Northern Grown Seed Wheat Compared.

In order to secure information on this point the Experiment Station and State Department of Agriculture have compared the yields from home-grown and northern grown seed wheat of the same varieties. Several varieties have been compared and in each case the home-grown seed was compared with the same variety of northern grown seed. The comparisons were made at the Mountain Branch Station near Asheville and at the Piedmont Branch Station near Statesville.

Results at the Mountain Station.

The comparisons of home-grown and northern grown seed wheat at the Mountain Branch Station were made for three successive years. In thirteen comparisons during three years the home-grown seed produced at the rate of 16.5 bushels per acre while the northern grown seed produced 12.72 bushels per acre or 3.78 bushels per acre less than the home-grown seed.

| Seed | Bu. per acre |
|--|--------------|
| Yield from home-grown seed | 16.5 |
| Yield from northern grown seed | 12.72 |
| Increase due to use of home-grown seed | 3.78 |

The results of the 1914 test were even more striking. In this comparison the home-grown seed produced 6.4 bushels per acre more than the northern grown.

Results at the Piedmont Branch Station.

Similar results were gotten at the Piedmont Branch Station. During three years (1914-1916) twenty-three comparisons were made between home-grown and northern grown seed of the same varieties. In these tests the home-grown seed produced at the rate of 16.01 bushels per acre while the northern grown seed produced 15.28 bushels. This gives an average of three pecks per acre in favor of the home-grown seed. The test of 1914 contained 13 comparisons in which the home-grown seed averaged 1.3 bushels per acre more than the northern grown.

Results from Another State.

Similar questions have arisen in other states. The following paragraph from Bulletin 137 of the Utah Experiment Station gives a summary of their results when home-grown and outside seed wheat were compared: "It is a common practice for big grain growers to send away annually for seed wheat. In this manner large quantities of seed wheat are annually imported into the intermountain region, under the mistaken impression that the home-grown seed is inferior in quality. The results of this investigation, therefore, are of utmost practical importance. The practice of shipping in seed wheat is entirely unnecessary and wasteful. The quality of the home-grown hard wheats is really superior to the original seed. Good pure wheat seed should be selected of the kind the grower desires to raise. He should then continue to raise his own seed and with proper selection he may rest assured that the quality of the seed will not become inferior, but he may have every confidence that his wheat is of superior quality."

Deterioration or "Running Out" of Seed Wheat.

The above results from three years comparison of home-grown and northern grown seed wheat clearly indicate that home-grown seed is preferable. If this be true what does cause deterioration in seed wheat? The condition known as deterioration or "running out" of seed wheat is usually due to poor care of the seed. Too often our wheat fields are infested with wild onions, cheat, mustard, and other weeds. Wheat containing seed of such weeds is unfit for seed purposes. Wheat that is damaged in the field, stored wet, or stored in damp bins will soon become unfit for seed purposes. Such conditions would cause deterioration of seed wheat in any section of the country.

How Can One Secure the Best Seed Wheat.

The best variety of wheat for a section is one that has been chosen on

account of its high yield and quality, and then further improved in the locality by selecting seed from the best plants. One can easily select sufficient good seed from a field to plant a seed patch. A small seed patch could be kept free from wild onions and mixtures of other grains. By this method one could be sure of producing the best seed for his section.

What Can Be Done Now.

The high price of wheat is likely to result in a shortage of home-grown seed for planting this fall. This may be avoided by saving the best seed now. Growers who have good seed should have the best for planting this fall. Seedsmen of the state who have not yet collected their supply should use every effort to secure the best North Carolina grown seed. Millers who have good seed wheat grown in the state may benefit themselves and the growers of their community by saving the best seed.

For further information write the Division of Agronomy, North Carolina Experiment Station, West Raleigh.

COTTON GRADING SERVICE IS NOW VERY IMPORTANT

ABNORMAL TIMES DEMAND THAT ALL COTTON IN NORTH CAROLINA BE GRADED.

By O. J. McConnell, Cotton Grading Division of Markets, Agricultural Extension Service, West Raleigh, N. C.

It will probably be surprising to the farmers in those counties not having the grading service last season to learn that more than one-half of the cotton raised in North Carolina last year was better than Middling. The mills bought this cotton as being better than middling and probably paid \$500,000 more for it than they would have paid for middling. Did the farmers in your county get better than the Middling price for more than one-half their cotton? On the answer to this question depends the answer to whether it will pay your county to secure the services of an official grader. The cost to the counties is very low, varying in amount with the number of bales produced. The actual grading is done by men in the joint employ of the State and Federal Agricultural authorities, but some assistance from counties is necessary and the following amounts will be required from each county served:

- Alamance, \$10; Alexander, \$20; Anson, \$250; Beaufort, \$100; Bertie, \$100; Bladen, \$100; Brunswick, \$10; Cabarrus, \$100; Camden, \$20; Carteret, \$20; Catawba, \$75; Chatham, \$75; Chowan, \$50; Cleveland, \$200; Columbus, \$100; Craven, \$75; Cumberland, \$250; Currituck, \$10; Davidson, \$10; Davie, \$15; Duplin, \$100; Durham, \$10; Edgecombe, \$250; Franklin, \$100; Gaston, \$75; Gates, \$50; Granville, \$10; Greene, \$100; Halifax, \$250; Harnett, \$200; Hertford, \$100; Johnston, \$250; Jones, \$75; Lee, \$75; Lenoir, \$150; Lincoln, \$75; Martin, \$100; Mecklenburg, \$250; Montgomery, \$50; Moore, \$25; Nash, \$250; Northampton, \$175; Onslow, \$75; Orange, \$10; Pamlico, \$75; Pasquotank, \$50; Pender, \$25; Perquimans, \$75; Pitt, \$250; Polk, \$10; Randolph, \$10; Richmond, \$175; Robeson, \$250; Rowan, \$75; Rutherford, \$100; Sampson, \$250; Scotland, \$250; Stanly, \$75; Tyrrell, \$10; Union, \$250; Vance, \$25; Wake, \$210; Warren, \$100; Washington, \$25; Wayne, \$250; Wilson, \$250.

It now appears that owing to the growing freight congestion North Carolina mills will be compelled to use more cotton that is grown locally than has been the case heretofore. Farmers who have had their cotton officially graded will be in much better position to reap the benefits that this should bring about than those who are "selling a pig in a poke" insofar as they are concerned.

The grading service gives the foundation for successful marketing, viz., standardization according to a universal standard. Standardization provided, only one prime requisite remains—Quantity—which can be obtained by pooling or selling together.

It cannot be too strongly impressed upon all concerned that the cotton grading service is merely applying one of business' efficient methods to the farmers end of the proposition and that to get good service proper provision must be made in time to enable the Cotton Grading office to prepare to render it.

Enquiries relative to Cotton Grading and Marketing will receive prompt attention if directed to O. J. McConnell, Agricultural Extension Service.

NOTICE OF MORTGAGE SALE.
Whereas, Ed. Barnes and wife, in May, 1916, made and executed to N. E. Ward a certain Mortgage Deed securing one bond in the sum of \$533.00 due and payable January 1, 1917, which Mortgage Deed is recorded in Book No. 7, page 160 in the Registry of Johnston County; and

Whereas, Ed. Barnes and wife have failed to pay and refused to pay any part of said note or interest on same, under and by virtue of authority contained in said Mortgage Deed, I will offer for sale, the first day of October, 1917, at 12 M., at the Court House door in Smithfield, N. C., for cash, at public auction, the following described lots near Selma, N. C., namely:

THE FIRST THREE LOTS situated in the Town of Selma, N. C., and known and designated as Lots 1, 2, and 3 in Block "E" in the plan of Flower Hill, a suburb of Selma, N. C. Each of said lots fronting 50 feet on Front Street and more particularly described as follows:
Beginning at the intersection of the Building line of Front and Barnes streets and runs thence Eastwardly with Barnes street 160 feet to King's line; thence with King's line S. 40 degrees E. to the corner of Lot No. 4 of Block "F" in Flower Hill Plat; thence with line of No. 4 to Front street, said line being parallel with Barnes street; then Northwardly with Front street 150 to the beginning, a fraction of an acre.

SECOND TRACT Being a parallelogram 2 1/2 by 150 feet adjoining lands of Q. Price and T. A. Parcel, and situated on the East side of Nash street in Selma, N. C., and part of the Will McLean property.
This September 1, 1917.
N. E. WARD, Mortgagee.

NOTICE OF SUMMONS.
State of North Carolina, County of Johnston, In the Superior Court, September Term, 1917.
Mary Birch vs. Ed. Birch.
The defendant above named will take notice:
That an action entitled above has been commenced in the Superior Court of Johnston County, to dissolve the Bonds of Matrimony now existing between the Plaintiff and defendant on statutory grounds; and the said defendant will further take notice that he is required to appear at the term of the Superior Court of the said county to be held on the Sixth Monday after the first Monday of August, it being the 24th day of September, 1917, at the court house in the said county in Smithfield, North Carolina, and answer or demur to the complaint in the said action or the Plaintiff will apply to the court for relief demanded in the said complaint.
This the 31st day of July, 1917.
W. S. STEVENS, Clerk Superior Court.
RAY & COCKERHAM, Attorneys for Plaintiff.

NOTICE.
North Carolina, Johnston County, In the Superior Court, Before the Clerk,
George F. Woodard, Adm. of Silas Cogdell, deceased, vs. Mary J. Cogdell, Katherine Richardson, Guilford Cogdell, et al.

Whereas on August 20th, 1917, the property hereinafter described was duly offered for sale at the Court House door in the town of Smithfield after proper advertisement according to law, and said property bid off for the sum of \$550.00 and whereas a bona fide offer of 10 per cent increase on said bid has been made to the undersigned commissioner, said commissioner will offer for sale for cash at public auction to the highest bidder at 12 o'clock M., on September 12th, 1917, at the Court House door in the town of Smithfield, the following described property situated in the town of Selma, and more fully described as follows:
Beginning at the intersection of Waddell and Sharpe streets and extending along the building line of Waddell and Sharpe streets eastwardly 50 feet and along the building line of Sharpe street northwardly 150 feet and bounded on the north by the lots of C. O. Durant and on the East by the lots of Winchester Stencil, and containing a fractional part of an acre.

On this lot is situate a four-room house in good condition. This is good property situate near the center of the town of Selma.
This 27th day of August, 1917.
E. J. WELLS, Commissioner.
WELLS & WELLS, Attorneys.

BE IT FURTHER RESOLVED, That under the powers conferred upon this Board of Commissioners by the Charter of the Town of Smithfield (Section 39 of Chapter 219 Private Laws of 1911), and Chapter 56 of the Public Laws of 1915, the owners of all property abutting upon the streets designated above (paragraph second) within the limits there prescribed and fixed, be and they are hereby directed and required to commence such side-walk construction on the streets designated above (paragraph second) and hold said election, as prescribed in special tax districts, as prescribed by Section 415 Revival of 1905.

By order of The Board of Commissioners of Johnston County, this 6th day of August, 1917.
SAM T. HONEYCUTT, Register of Deeds of Johnston County, and Ex-Officio Clerk to the Board.

BE IT FURTHER RESOLVED, That the Town of Smithfield pay one-half of the cost of laying and constructing the side-walk herein provided for, and that the property owners pay the other one-half thereof, according to the frontage of the respective owners abutting on said streets within the limits aforesaid.

BE IT FURTHER RESOLVED, That this resolution be published in The Smithfield Herald, a newspaper published in the town of Smithfield, and of general circulation.

The foregoing resolution was unanimously adopted at an adjourned meeting of the regular monthly meeting of the Board of Town Commissioners, held on Thursday night, August 9th, 1917.
H. L. SKINNER, Mayor.
E. S. SANDERS, Clerk.

NOTICE.
North Carolina, Johnston County, In the Superior Court, Before the Clerk.
Sam T. Honeycutt vs. J. T. Collier, Eula M. Collier, Rade Christal Collier, Joshua F. Collier, James Alvin Collier, Louvelia Collier, Wm. J. Collier, Della Hill and Rastus Hill.

The defendants, James Alvin Collier, Louvelia Collier, Wm. J. Collier, Della Hill and Rastus Hill, above named, will take notice that an action, entitled as above, has been commenced in the Superior Court of Johnston County for the purpose of dividing certain real estate in which the said defendants are interested, and the said defendants will take notice that they are required to appear in the Superior Court of Johnston County, before the Clerk, at the Court House in the town of Smithfield, on Monday, the first day of October, 1917, and answer or demur to the complaint in said action, or the plaintiff will apply to the court for the relief demanded in said complaint.
This August 27th, 1917.
W. S. STEVENS, Clerk Superior Court.
S. S. HOLT, Attorney for the Plaintiff.

SOME LAND BARGAINS.
Only 1200 acres of the Wayne Hardware Company's land left. You can get four 100-acre tracts, and two 400-acre tracts, which carries 17 buildings belonging to the camp to be divided with the different tracts; there are about 100 acres of cleared land, the balance one of the finest pastures in the State, this can be bought at only \$10.00 per acre.

The Nathan Toler tract will be divided in tracts at \$10.00 per acre and up. Some fine land at a bargain. If you wish to buy or sell real estate, see E. L. Edmundson, Goldsboro's Real Estate Hustler, Goldsboro, N. C.

NOTICE.
My son, Harvey M. Lee, aged 16 years, left my home on August 19th, 1917, without my consent. This is to warn all persons against hiring him, feeding him, clothing him, making trades or contracts with him, or giving him aid in any way.
IRA LEE, SR.
Four Oaks, N. C., Route No. 3.
August 27, 1917.

FOR SALE OR EXCHANGE.
Seven tenant houses in ideal location, four blocks from Court House, on street car line, Goldsboro, North Carolina.
Property now paying 10 per cent on \$4500.00, and fine corner for opening grocery store. Would exchange for Johnston County farm. Write lock box No. 326, Smithfield, N. C.

RAT CORN
Kills Rats & Mice

For Sale by Creech Drug Co., Smithfield, N. C.; R. C. Lassiter & Co., Four Oaks, N. C.; G. G. Edgerton & Son, Kenly, N. C.; J. R. Ledbetter, Princeton, N. C., and all good Dealers.

Farms For Rent

I have several good farms for rent. Liberal terms, good houses, some teams, cows, hogs. Will be personally at mill and farm all of 2nd week of September.
T. H. ATKINSON.
Lunsford, N. C. (New post office Atkinson's Mill.)

Stand by the President.

Why?
Because he stands by you. Stand by the Laundryman.

Why?
Because he stands by you. All kinds of laundry work done at the Smithfield Steam Laundry. Prices reasonable. Call phone 19-L and we will come.

T. W. JOHNSON
Proprietor.

NEWHOME
"I'll get it for my wife"
NO OTHER LIKE IT. NO OTHER AS GOOD.
Purchase the "NEWHOME" and you will have a life asset at the price you pay. The elimination of repair expense by superior workmanship and best quality of material insures life-long service at minimum cost. Insist on having the "NEWHOME".
WARRANTED FOR ALL TIME.
Knows the world over for superior sewing qualities. Not sold under any other name.
THE NEWHOME SEWING MACHINE CO., ORANGE, MASS.
J. M. BEATY
Smithfield, N. C.

Magnolia Balm LIQUID FACE POWDER.
The beauty secret of women who know how to take care of the complexion. Cannot be detected. Heals Sunburn, stops Tan. Soothing, cooling, refreshing.
Pink, White, Rose-Red.
75c. of Druggists or by mail direct.
Sample (either color) for 2c. Stamp.
Lyon Mfg. Co., 40 South Fifth St., Brooklyn, N. Y.

RESOLUTIONS REQUIRING SIDE WALK IMPROVEMENT IN THE TOWN OF SMITHFIELD, N. C.
WHEREAS, The construction of sidewalks of the Town of Smithfield did, on the 19th day of April, 1917, adopt an ordinance providing for certain street and side-walk improvement to be made in said-town of Smithfield, under the provisions of Chapter 56 of the Public Laws of 1915, and of the Municipal Finance Act of 1917, which said ordinance has been published as required by said Municipal Finance Act; and

WHEREAS, The Board of Commissioners side-walk, of granolithic construction, on the East side of Third street, from Bridge or Smith street to Hancock street; on the South side of Hancock street from Second street to Brooks street; on the East side of Sixth street from Caswell street to Market street; on the North side of Market street from Fort street to Broadway or Eighth street; on the East side of Second street from Market street to Church street, and on East side of Second street from Bridge or Smith street to Hancock street; the North and South side of Johnson street from Third street to Fourth street; on the West side of Fourth street from Johnson street to Davis street; on the North side of Davis street from Third street to Fifth street; South side of Church street from Fourth street to Fifth street; on West side of Third street from J. B. Hudson's present sidewalk pavement to corner of Elm street, and on North side of Elm street from Third street to Second street, contemporaneously with said street improvement as set out in said ordinance, is a public necessity for the town of Smithfield;

NOW, THEREFORE, Be it resolved by the Board of Commissioners of the Town of Smithfield, That the owners of all property abutting upon the streets above stipulated, be, and they are hereby, directed and required to construct or cause to be constructed upon the side-walks of their respective properties abutting upon the streets above designated and within the limits above prescribed, a granolithic, cement or concrete side-walk, of the width and according to the specifications prescribed by the Engineer for the town of Smithfield; and

BE IT FURTHER RESOLVED, That under the powers conferred upon this Board of Commissioners by the Charter of the Town of Smithfield (Section 39 of Chapter 219 Private Laws of 1911), and Chapter 56 of the Public Laws of 1915, the owners of all property abutting upon the streets designated above (paragraph second) within the limits there prescribed and fixed, be and they are hereby directed and required to commence such side-walk construction on the streets designated above (paragraph second) and hold said election, as prescribed in special tax districts, as prescribed by Section 415 Revival of 1905.

BE IT FURTHER RESOLVED, That the Town of Smithfield pay one-half of the cost of laying and constructing the side-walk herein provided for, and that the property owners pay the other one-half thereof, according to the frontage of the respective owners abutting on said streets within the limits aforesaid.

BE IT FURTHER RESOLVED, That this resolution be published in The Smithfield Herald, a newspaper published in the town of Smithfield, and of general circulation.

The foregoing resolution was unanimously adopted at an adjourned meeting of the regular monthly meeting of the Board of Town Commissioners, held on Thursday night, August 9th, 1917.
H. L. SKINNER, Mayor.
E. S. SANDERS, Clerk.

NOTICE.
The undersigned having qualified as Administratrix on the estate of Joe C. Bailey, deceased, hereby notifies all persons having claims against said estate to present the same to me duly verified on or before the 25th day of August, 1918, or this notice will be pleaded in bar of their recovery; and all persons indebted to said estate will make immediate payment.
This 25th day of August, 1917.
MINNIE O. BAILEY, Administratrix.

NOTICE.
North Carolina, Johnston County, In the Superior Court, Before the Clerk.
Bettie Lyon Lee vs. Laura Elizabeth Battle, C. W. Horne, A. S. White, J. T. Talton, and E. L. O'Neal and Hugh Ferrell, trading as O'Neal & Ferrell, Et Als.

The defendant, Laura Elizabeth Battle above named, will take notice that an action entitled as above has been commenced in the superior court of Johnston County for the purpose of allotting dower in a tract of land on Main and Center Sts. in the town of Clayton, N. C., which defendant purchased from C. R. Lee, husband of plaintiff, during the coverture, plaintiff never having conveyed or waived her right of dower in said property, and also for damages for the detention of said dower; and defendant will further take notice that she is required to appear before the Clerk of Superior Court on the day of September, 1917, at the Court House of said county in Smithfield, N. C., and answer or demur to the complaint in said action, or the plaintiff will apply to the court for the relief demanded in said complaint.
W. S. STEVENS, Clerk Superior Court.
This 6th day of August, 1917.
A. S. HOOBGOOD, Attorney for Plaintiff.

SOLDIERS NEW TESTAMENTS.
Khaki-bound New Testaments for sale at The Herald Office.

AN ORDER TO VOTE A SPECIAL SCHOOL TAX IN SELMA SCHOOL DISTRICT.

WHEREAS, The County Board of Education of Johnston County has petitioned this Board to call an election to be held in Selma Graded School District on September 18th, 1917, for the purpose of ascertaining whether the voters of said district are in favor of issuing Twenty Two Thousand Dollars of bonds bearing interest at the rate of five per cent payable semi-annually, and payable as follows: One Thousand Dollars annually for five years commencing January 1st, 1918; Fifteen Hundred Dollars annually for ten years commencing January 1st, 1923, and Two Thousand Dollars payable January 1st, 1934, for the purpose of completing and furnishing the Selma Graded School building; and to levy a tax of ten (10c.) cents on all property, and thirty (30c.) cents on all taxable polls in said district for the purpose of paying the interest and the bonds as they mature;

THEREFORE, It is ordered by the Board of Commissioners of Johnston County, at their regular meeting held on this, the 6th day of August, 1917, that an election to be held in Selma Graded School District, on TUESDAY, September 18th, 1917, at the usual voting place in said District, for the purpose of ascertaining whether the voters of said Selma Graded School District are in favor of issuing Twenty Two Thousand Dollars of bonds, bearing interest at the rate of five (5) per cent, payable semi-annually on the 1st day of January and July in each year, payable as follows, to-wit: One Thousand Dollars annually for five (5) years commencing January 1st, 1918; Fifteen Hundred Dollars annually for ten years commencing January 1st, 1923, and Two Thousand Dollars payable January 1st, 1934, for the purpose of completing and furnishing the Selma Graded School buildings. At said election those favoring the issuance of bonds and the levying of a special tax of ten (10c.) cents on the Hundred Dollars worth of property, and thirty (30c.) cents on each taxable poll, shall vote the words "For Schoolhouse Bonds," and those who are opposed shall vote a ballot on which shall be printed the words "Against Schoolhouse Bonds."

There shall be an entire new registration of voters in said Selma Graded School District, and E. E. Richardson is hereby appointed Registrar, and R. W. Etheredge and T. H. Whitely are appointed poll-keepers to conduct and hold said election. The registration books will be opened August 14th, 1917 and close September 8th, 1917.

Said election is called under and by virtue of Chapter 55 Public Laws of 1915, being an Act ratified February 26th, 1915, and will be held under rules and regulations governing elections in special tax districts, as prescribed by Section 415 Revival of 1905.

By order of The Board of Commissioners of Johnston County, this 6th day of August, 1917.
SAM T. HONEYCUTT, Register of Deeds of Johnston County, and Ex-Officio Clerk to the Board.

NOTICE OF SALE OF LAND FOR PARTITION.
North Carolina, Johnston County, In the Superior Court Before the Clerk.
H. I. Ogburn vs. C. H. Smith, Donald Parrish, et als.

Under and by virtue of an order of sale in the above-entitled action issued by the Clerk of the Superior Court on August 4th, 1917, the undersigned Commissioner will sell the following described lands on the 8th day of September, 1917, at the Court House door in Smithfield, N. C., Johnston County to the highest bidder at public auction for Cash:

All the lands belonging to the tenants-in-common in this action being the lands which belonged to the estate of J. E. Smith, deceased, and consisting of about one hundred and forty-one acres lying and being in Pleasant Grove township and adjoining the lands of L. P. King, N. A. Honeycutt, Jim Johnson and D. W. Stephenson.

This sale is made to divide the proceeds between the tenants-in-common.
Time of sale: Sept. 8th, 1917, at 12 o'clock M.
LEON G. STEVENS, Commissioner.

BETTER MAKE YOUR FINANCIAL arrangements before the Fall rush starts. Money is cheapest commodity on market. Better "lay in store" your needed supply while it can be had. War liable to cut off loans at any time. Loans made in Johnston County \$1,000 up to one-half appraised value of cleared land, on five (5), ten (10) or twenty (20) years. Interest five (5) per cent. on five years loans; six (6) per cent. on ten and twenty year loans. Supply unlimited. "First come, first served."
Have some valuable land to sell. See me before selling your land. Always in market for negotiable paper of all kinds.
August 25th, 1917.
FREDERICK H. BROOKS, Smithfield, N. C.

LITTLETON COLLEGE.
The 36th Annual Session of Littleton College will begin on Wednesday, September 26th. We have an ideal plan by which pupils may live at their own charges in our main dormitory, thus saving about \$75 during the scholastic year. For further information address J. M. Rhodes, Lake Junaluska, N. C., till September 5th, and after that, Littleton, N. C.

TYPEWRITER RIBBONS—ROYAL,
Underwood, Oliver, Remington and L. C. Smith—for sale at The Herald Office.