

# Around The Chowan County Farms

By Mike Williams  
 County Extension Chairman  
 This harvest season has been one of the warmest and wettest in recent memory and as a result there is still an unusual amount of soybeans still in the field. Having soybeans in the field this late in the year always brings up decisions many growers aren't very comfortable with. Obviously, we'd rather not have them still standing in the field, but how big a problem it actually becomes remains to be seen. Right now, they could be thought of as being stored in the field under adverse environmental conditions. We're concerned that shatter losses may soon

become significant, especially if we get many good drying days before the ground gets dry enough to hold a combine. We're also worried about diseases, which are usually present in the field to some extent, developing enough to get into the pod and on (or even in) the seed, with a resulting deterioration of quality. This is obviously a real concern for the seedsmen, but it could also become a problem for commercial fields as well if it gets bad enough that the elevator starts docking them. Two additional sources of losses which are real, but which haven't been considered major sources of yield loss in

reality, are the increase in lodging from delayed harvesting and the continued high rates of respiration of the seed, which causes loss of dry weight in the seed, disease problems, and reduce seed quality. While we recognize that split and bruised seed are more likely when combined above 13% moisture, this still all boils down to get them out of the field at the first good chance. However, it may in fact be better to leave them there than putting them in a truck if you don't have a good place to unload the truck. The elevators and processors can only handle so many wet (over 13% moisture) beans, and most have been at capacity more than once already this fall. Certainly the beans can go in a bin, if you have an empty bin available. But you can't hold them long in a bin without being able to move air through them, and you can probably get them through a combine at a moisture level high enough that safe storage time is measured in hours, not days.

The higher the moisture content, and the temperature, the more rapidly seed respire. This is especially noticeable above 15% moisture and above 50 degrees fahrenheit. The end products of respiration are heat and water, which both further increase respiration rates of the seed and help create a more favorable environment for microbial growth. These microbes can respire many times more rapidly than seeds, which further aggravates the problem. Reversing these principles, the drier and cooler soybean seeds are, the longer they can be kept in storage without loss of dry weight and quality. The sooner they're dried and cooled, the better. We'd prefer to dry them first, then cool them, but would rather do it in the reverse order than wait for dry weather to do it in the preferred order. Even with dry, cool beans, we need to move air through the beans about 2 hours per week to prevent moisture migration and temperature buildups in spots in the pile of beans. This is doubly critical with wet and/or warm soybeans, so wet beans on a truck, or in a bin without aeration capability, are a potential disaster. We seldom use heat to dry soybeans except in a continuous flow drier, to avoid overdrying and overheating the seeds. Raising the temperature of the air 20 degrees fahrenheit will cut the relative humidity in half. Air at 75% relative humidity

will dry soybeans down to 13.2% moisture; air at 60% relative humidity will dry them clear down to 9.7%. Thus we seldom need or even want heat, because we can usually get the job done with a little care when during the day and night we run the fan. To safely store soybeans for more than a week or two in our winter months, they probably need to be at 11-12% moisture and cooled to outside temperatures. To include storage through a week of unusually warm winter weather, or very far into the spring, you'll probably need the soybeans at 10-11%. No, the elevator won't pay any premium for having them drier than 13%, but neither will they dock the price for poor quality beans, and your losses in dry weight while in storage will be minimal. One final reminder. The cost of combining and hauling are the only costs that have to be recovered in deciding whether a field is worth combining. Selling \$40.00 worth of soybeans that you paid \$25.00 to get harvested will lose a grower less money than having the \$40.00 worth of soybeans in the field.

**The Chowan Herald "Top Thirty" Final Poll January 6, 1983**

1. Penn State 11-1	16. Washington 10-2
2. Nebraska 12-1	17. Clemson 9-1-1
3. Georgia 11-1	18. Michigan 8-4
4. SMU 11-0-1	19. Auburn 9-3
5. Texas 9-3	20. North Carolina 8-4
6. Arizona State 10-2	21. West Virginia 9-3
7. Pittsburgh 9-3	22. Arizona 7-3-1
8. UCLA 10-1-1	23. Miami (Fla.) 7-4
9. Oklahoma 8-4	24. Florida 8-4
10. Ohio State 9-3	25. Alabama 8-4
11. Maryland 8-4	26. Notre Dame 6-4-1
12. LSU 8-3-1	27. Illinois 7-5
13. So. Calif. 8-3	28. So. Mississippi 7-4
14. Arkansas 9-2-1	29. Brigham Young 8-4
15. Florida State 9-3	30. Vanderbilt 8-4

"National Champs"...Penn State Nittany Lions  
 Bowl Record: 9 Wins and 7 Lost  
 Final Record: 262 Won; 81 Lost; 5 Ties; 75.29 per cent

Hospital Auxiliary Meeting Scheduled

Card Of Thanks

The Chowan Hospital Auxiliary will meet on January the 10th at 10:00 A.M., in the Conference Room of the Chowan Hospital.

Dear Blood Donor:  
 Thank you for sharing your blood with me.  
 May T. Garriss  
 Mpd.

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**Views On Dental Health**



Richard N. Hines, Jr.  
 D.D.S.  
 Fellow of The Academy of General Dentistry

**Saving The Roots**

When dentures are needed, any supporting bones in the gums can help make them fit more comfortably. This includes whatever tooth roots can be saved. They act just like pilings do in supporting a building. Sometimes metal attachments are made for dentures and roots, so they connect together. Or a thimble-shaped metal cover is attached to the root, designed so that it fits into the denture for additional support. Saving the roots helps in other ways. Some people lose their "sense of feel" when their teeth are closed because they've lost all of their roots and surrounding nerve fibers. When some roots are retained, they keep this sense of touch when their teeth are in contact. There is another advantage: it helps prevent further loss of bone by reducing wear on the jawbone itself. Because of the stronger support, the dentures not only fit better, they tend to last longer before they have to be fitted or replaced. Just like whole teeth, however, the health of the roots must be maintained as long as possible. This makes regular checkups even more important for denture wearers whose roots have been saved. A public service with the aim of promoting better dental health environment. From the office of: RICHARD N. HINES, JR., D.D.S., 437 South Broad St., Edenton Phone: 482-2776.

**"We Cater To Cowards"**

**Midwest Pattern Clinic To Be Held**

On January 14, Midwest Pattern Clinic, Inc., will be at Boswell Restaurant, 406 W. Queen Street, Edenton, the classes start at 10 A.M. and at 7 P.M. The clinic will be held in three parts: 1) Show you how to make patterns that fit using the "Golden Rule on Lutterloh System", 2) Pattern fitting, adjusting, and designing, 3) How to make slacks that fit, and adjustments to store-bought or commercial patterns. Midwest patterns has been conducting clinics in the United States for 14 years and in Canada for the last three years. Our instructors teach people how to make patterns, how to fit and adjust them, and create unlimited designs by only taking two body measurements. This system of pattern making has been used all over the world. It was developed in Germany by Maria Lutterloh in 1932. In Europe this method is taught in the junior high and high school classrooms. In the clinic, we will make a pattern for a lady from the class by taking her measurements, in comparison to store-bought patterns that are made to sizes. When you leave the three hour clinic, you will be more knowledgeable about your present commercial or store-bought patterns, know how to adjust them, and also have alternative methods of pattern making. You will receive a basic dress, slack, and suit-dress pattern fitting book.

**NCNB Announces An Aquisition**

(Editor's Note: NCNB is the corporation that recently acquired the Bank of North Carolina, N.A.)  
 CHARLOTTE — NCNB Corp. announced the completion of the acquisition of two Florida banking organizations, its third and fourth bank acquisitions in that state in 1982. At official closings December 31, Exchange Bancorporation, Inc. of Tampa became a subsidiary of NCNB Corp. and Downtown National Bank of Miami merged into NCNB's existing subsidiary, Gulfstream Bank, N.A., Boca Raton. NCNB has owned the First National Bank of Lake City since January and Gulfstream Banks Inc. of Boca Raton since September. Exchange, which has assets of \$1.3 billion and operates 51 offices in 11 Florida counties, was acquired through the merger of a subsidiary of Continued On Page 5-A

**DOG LICENSES ARE NOW ON SALE!**

Dog licenses are now on sale at the Town Office. The fee for all dogs is \$3.00 per year.

The Code of Ordinances requires the arrest of any dog owner who fails to purchase licenses for his dogs by Feb. 15, 1983.

Due to the increase of rabies in North Carolina no tag will be sold without a vaccination certificate.

**Vegetable School Is Scheduled**

By W.R. Jester  
 Perquimans Ext. Chmn.  
 Fifty growers are expected to attend an Area Vegetable School sponsored by the North Carolina Agricultural Extension Service at the Albemarle Regional Planning and Development Commission (ARPD) Building in Hertford on Thursday, January 13, 1983. The educational program is free, with specific information meant to assist vegetable producers in extending their marketing season, maintaining quality after harvest, and developing wholesale marketing contacts and strategies. The program will begin at 10 A.M. and last until 4 P.M. including a free sponsored lunch. New labor saving technologies, chemicals for crop protection, and new vegetable crops with high market potential will also be presented. To learn more, call your county office or the Agricultural Extension Service.

**PIANOS & ORGANS**

**Bankrupt Stock, Repossessions, Discontinued Closeouts Sale - 3 Days Only!**

Open To Public

Thursday, Friday, Saturday Jan. 6-7-8. Tremendous discounts on Name-Brand Pianos & Organs purchased from Bankrupt Dealers, discontinued by Manufacturers, Finance Company Repo's. ALL merchandise with New Factory Warranty (except Repo's) & service by Area Dealer. Name Brands 40% & 50% Off Large Selection. Financing Available with Easy Terms.

**SALE HOURS:**  
 Thurs. - 12-9  
 Fri. - 10-9  
 Sat. - 10-5

Holiday Inn  
 Williamston, N.C.  
 Hwy. 64 & 17

Agent On Premises:  
 Piano & Organ  
 Distributors  
 Greenville, N.C.

The word "crystal" came from a Greek word meaning both ice and rock crystal since the ancients believed that rock crystal was a modified and permanent form of ice.

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