

FARMER'S JOB FOR 1918.

By J. H. Johnson Office of Farm Management.

The farmers of this State, in common with those of the entire country, are being asked to do certain things along the line of live-stock production this year. The request is for an increase in the amount of corn, hay, wheat or other broad grains, vegetables and fruits, dairy products, pork poultry and eggs, and several other articles of home or local consumption. This increase is wanted for the purpose of "winning the war." The appeal is made to our patriotism. Backing up the opportunity of serving humanity is one of making a good profit from the year's work.

In attempting greater production, it may be well to size up the situation and see what is required for our own maintenance what to support our non-farming population, and what will be necessary to allow a 5 to 10 per cent surplus for export. The next point is to take up the armor of the hoe and plow, the reaper and the rake, and measure up to requirements and national expectations.

Let us see some of the things we want: Meat, including pork, beef and poultry, is wanted; eggs, butter, milk, potatoes, other vegetables, wheat corn and hay, with these backed up with more beans peas, home-made molasses and other usual accessories will take care of the real needs.

A study of consumption of foods in 463 farm families, of which 55 were in North Carolina and the others in nine widely distributed States, gives some definite data of use in determining just what we must do at the time if we are to feed ourselves. With this data as a guide, we may project our work for the year with assurance of accomplishing a good purpose without unnecessary waste of time and work.

On the 55 North Carolina farms there was an average consumption per person of 122 pounds of pork 2 pounds of beef and 11.5 fowls, weighing approximately 2 1-4 pounds a piece, or 26.1 of poultry consumed per person. The butter consumption averaged 41 pounds per person, while there was 33.4 gallons of sweet milk used, 85.8 gallons of butter-milk, 27 dozen eggs, 1.8 bushels of Irish potatoes, 3.8 bushels of sweet potatoes and 313 pounds of flour used for each person in the family.

When those figures are given a Statewide application, we may see just what our farming job this year is.

In round numbers our present population is 2,500,000. To give each person the normal meat allowance of 122 pounds of pork, 2 pounds of beef and 26 pounds of poultry, or a total of 150 pounds of meat per person, the State must grow 375,000,000 pounds during this year. Likewise she must have 102,500,000 pounds of butter. She must also produce 83,500,000 gallons of sweet milk and 214,500,000 gallons of butter-milk, or a total of almost 300,000,000 gallons of milk. Then, while this is being produced and consumed we want and must have 67,500,000 dozen eggs, 14,000,000 bushels of sweet and Irish potatoes and 17,500,000 bushels of wheat. To feed our stock and give us some meal, we want 75,000,000 bushels of corn and 1,500,000 to 2,000,000 tons of hay, besides the usual corn fodder. Then the vegetables and small fruits from some 200,000 acres are wanted.

This is the North Carolina farmer's job if he feeds our population as we have been fed. Now for a 10 per cent surplus for export, add one-tenth to these items all the way through. This is what the man with the hoe and plow is asked to do before he grows strictly commercial crops. Can he do it? Yes. How can the consumer get him to do it? By making it to his interest financially.

Now let us see what the average farmer has for his individual job. There are 250,000 farmers to make up this class in North Carolina. Divide the big numbers above by the number of farmers and get what the average one is expected to do. Then to get your individual duty as a farmer, place yourself as either above or below the average just as you think you should be placed and add to or subtract from, the general requirements to suit your individual case.

For use within the State, the aver-

age farmer should produce 1,500 pounds of pork, beef and poultry, 410 pounds of butter, 334 gallons of milk (to use sweet,) and 858 gallons to use as buttermilk, 270 dozen eggs, 56 bushels of sweet and Irish potatoes, 70 bushels of wheat, 300 bushels of corn, and 5 or 6 tons of hay. Now to take care of the export demands, add one-tenth all the way through, and especially to the nonperishable products. The farmer's job as an individual begins to stand out when he considers these figures.

Can our farms be so organized as to meet these extra requirements and yet allow them to be operated as commercial profit-earning units is a question frequently asked and to which the only real answer is—Yes. It is intended that some of the problems of organization will be taken up by this office next week.

Browning Guns Given Trial.

Washington, D. C.—Tests were made by congressmen on Wednesday of the Browning automatic rifle and heavy machine gun selected by the ordnance bureau of the War Department for the United States Army. The demonstration took place in a valley in the hills that surround this city.

For more than two hours senators and representatives operated the weapons under the direction of a squad of soldiers from the machine-gun school at Springfield, Mass. High army officials, including Assistant Secretary Crowell Major-General Bidle, acting chief of staff, and a score of officers from the British, French, Italian and Belgian missions, watched the work.

There was no target practice, although a line of figures shaped like

men was battered to pieces by the squad of 19 gunners. Members of Congress also scored repeated hits, although it was the first time any of them had handled a weapon of this character. Two Browning heavy machine guns were also put in action. Thousands of bullets were sent streaming across the valley. In the tests there was no malfunction of the guns, and the demonstration was completed with an exhibition of the simplicity of construction of the weapons.

Accidents Are Few in Aviation

Records of the War Department show that from the beginning of training in June, 1917, to February 22, 1918, the fatalities at military aviation fields in this country have been 51 10 officers and 29 cadets killed in training flights, and 12 men killed in unauthorized flights and ground ac-

cidents. Since the training began in the United States, student aviators have flown considerably more than 100,000 miles. Hundreds of hitherto inexperienced men have been learning to fly. Their early flights are under the guidance of instructors, and prior to these flights two or more months are spent in preliminary ground work. There comes a time, however, when every student aviator must take his machine up alone, and every precaution has been taken to reduce the number of accidents and safeguard the aviator in his solo flights.

Exports of Corn to Canada for Feeding and Manufacturing Purposes Have Been Limited to Those Varieties and Grades Which Are Not Suitable for Seed Purposes.

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WHAT REMOVES THE CAUSE OF CHRONIC COUGHS

A Constitutional Remedy That We Guarantee

Lagrange, N. C.—For years I suffered with a chronic cough, so I could not sleep nights and continued to lose flesh. My doctor asked me to try Vinol. It cured my cough. I can sleep nights and have gained twelve pounds. Vinol is the best tonic and tissue builder I have ever taken.—W. D. RAN, Lagrange, N. C. We guarantee Vinol for chronic coughs, colds and bronchitis. Not a patent medicine. Formulas on every bottle. Your money back if it fails. I. W. WEST DRUG CO.

Good News For Tobacco Growers!

WE are now able to offer the trade in unlimited quantities the old, reliable and popular brands,

Bonanza Tobacco Guano 8-3-3

Orinoco Tobacco Guano 8-2 1/2-3

Farmer's Bone 8-2-2

No crop is more dependent upon POTASH than tobacco, and those who have been reducing or cutting out POTASH will find it to their interest to return to their old standards. NEBRASKA POTASH has been thoroughly tested by State Agricultural Department and other experts and pronounced equal to, or, if anything, superior to the German Potash. We have an ample supply of this Potash to give any desired analysis to users of

ROYSTER'S F.S.R. FERTILIZERS

Please remember! WE HAVE THE POTASH, but it will do you no good if you wait so late that the over-worked, congested railroads cannot haul it to you. A ton of fertilizer on your farm is worth two in our factory. Order now.

F. S. ROYSTER GUANO COMPANY, NORFOLK, VA.

Read the following interesting letters from Royster users:

COLUMBUS COUNTY. R. F. D. No. 1. Taber, N. C., Sept. 4, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I used no other goods but Royster's because I got the best results from it. I had three acres of tobacco which I got \$718.86. I have six acres of cotton, which I will get six bales of 2,000 lbs. of cotton. My corn is as good as I expect. I want Royster's next year. Yours very truly, W. FIPPS.

VANCE COUNTY. Henderson, N. C. R. F. D. No. 1, Sept. 17, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I used six tons of Royster 8-3-3 tobacco fertilizer. I am proud to say I got twelve bales of twelve acres. I will average a thousand pounds to the barn. I am expecting \$4,000 around for my whole crop. I don't want anything but Royster 8-3-3. Your friend, W. E. WELDON.

FORSYTH COUNTY. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: I used 500 pounds of ROYSTER'S HIGH GRADE fertilizer this year, and find it to be the best I have ever used. I never fail in my crop of tobacco or wheat when I use Royster's. I have not sold my tobacco yet, but it is the best I have ever raised, and expect a good price for it. I can't speak too highly of the F. S. R. fertilizer. Your truly, W. P. STRUPP.

ROCKINGHAM COUNTY. Reidsville, N. C. R. F. D. No. 1, Sept. 26, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I wish to tell you that I used your 8-3-3 fertilizer for tobacco this year and have the best crop for some years, both in color and body, and shall continue to use it if I can get it. MR. W. J. JARRELL.

SURRY COUNTY. Rockford, N. C., Sept. 10, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: I have been using your fertilizers for 16 or 20 years, and think it is the best there is. I have used other guanos in the same fields under my tobacco, and the part where F. S. R. was used was better from the crop. I could get better acres on it than I could on the tobacco where I used other brands, and when I sold, the tobacco grown on F. S. R. averaged me more in the hundred. I raised ten bales myself this year and I have good cures on all of it. My tenants used it this year, and they say they are going to use F. S. R. again next year. I expect to use your brand as long as I can get it. Respectfully yours, H. T. BROWN.

EDGECOMBE COUNTY. Whitakers, N. C., Sept. 3, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: I have been using your fertilizers for a number of years and believe that we get better results from it than any other brand that we have ever used. It seems to be peculiarly adapted to our soil, and especially for tobacco. We take great pleasure in recommending same to farmers of Eastern Carolina. Yours very truly, T. HICKS.

CASWELL COUNTY. Pelham, N. C., Sept. 1, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I used two tons and a half of Farmers' Bone, and I received better results from this brand than any I have ever used. I think my crop will turn out about 3,000 lbs. We will use the same brand next year. I remain, Yours respectfully, THOMAS BLACKWELL.

PITTSYLVANIA COUNTY. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I bought DELTA TOBACCO GUANO from Mr. J. J. Patterson, your representative here, last spring for my tobacco crop. It made me a splendid crop, my entire sales so far have averaged from \$24 to \$40 per hundred. I have sold some grades as high as \$75 per hundred. This was the highest price paid on the Danville market up to this sale. I have some on hand that will bring \$20 to \$25 per hundred if the prices remain the same. I trust you will keep Delta up to the present standard. Yours very truly, W. H. OWEN.

PITT COUNTY. Greenville, N. C., Sept. 21, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: For the past four years I have used your tobacco fertilizers, and this year used it exclusively. My tobacco has been about the best in my neighborhood, and this year with unfavorable seasons, I sold my crop in the rough, ungraded, for \$4.00, which is at the rate of \$200 per acre. I consider Royster's absolutely the best. J. E. BREWER.

GREENE COUNTY. Hookerton, N. C., Sept. 14, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I purchased some of your guano this year from Messrs. Edwards & Palmer and used it under my tobacco. My tobacco grew off better from the start than any crop I have ever had before. In a quality and quantity the crop was in every way all that I could ask for. I will use your fertilizers again. Respectfully yours, GEORGE W. MACON.

FRANKLIN COUNTY. Mapleville, N. C., Sept. 21, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I have the best crop of tobacco I ever grew. Unless prices decline I shall get over \$200 per acre. I used ROYSTER'S guano and will again. Your truly, J. J. DRIVER.

PITT COUNTY. Greenville, N. C., Aug. 26, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: You will doubtless be interested in knowing how we are getting on with our Mill Brook farm, and our opinion of your fertilizers, which we have used exclusively on this farm for all crops for two years. With an average application of 1,000 pounds per acre for tobacco of your 8-3-3, we produced last year 850 pounds per acre; this year our crop will easily yield 1,100 pounds per acre. Considering that the two seasons have been the worst ever known in this section, on account of excessive rains and that the soil on this farm is in a very poor state of fertility, owing to neglect of former owners, we are more than pleased with the results obtained. With kindest personal regards and best wishes for the continued success of your valuable firm, we are, very truly yours, GORMAN & JENKINS, Props.

MECKLENBURG COUNTY. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: As I have used your guano for two years, I take pleasure in writing you in regard to your brand. I tried last year to get pictures of a lot of tobacco I had on some real sor horse grass land I had turned out for cow pasture, but could not get a man to take one large enough. I got one at last to take one this week. I have \$5.00 hills in this lot worth 200 pounds of 8-3-3 on it, and it is as fine as I have ever seen. As you will agree, you see the pictures. I think Royster's is the only guano to use. J. J. ELLIS.

WAKE COUNTY. Nebsion, N. C., Oct. 27, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: Your goods gave entire satisfaction this year. I made the best tobacco I have ever made with your goods. I shall recommend Royster's goods hereafter. Yours truly, C. W. HOCUTT.

FRANKLIN COUNTY. Henderson, N. C., Sept. 4, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I've had better success using your goods than any fertilizer I've ever used; did not have any disease in my tobacco this year. Yours sincerely, GEORGE W. MACON.

EDGECOMBE COUNTY. Rocky Mount, N. C., Sept. 4, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: It gives me pleasure to say a word of praise for Royster's fertilizers. I have noticed very carefully this year where different fertilizers have been used, and especially tobacco, and it seems to me to be best tobacco I have seen is where Royster fertilizers were used. Except for the damage done by the July rains I have never grown a better crop and I used Royster's fertilizers. H. D. BAKER.

LUNENBURG COUNTY. Port Mitchell, Va., Sept. 22, 1917. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: Will say I have seen using your goods for the past fifteen years and it is a very many matter for me to say that it is better, especially the Bonanza, which I have not been able to find for the past two years, which I feel I have ever cultivated. I grew tobacco faster, and I had better results from that than I have ever used. J. A. YOUNG.

PITT COUNTY. F. S. Royster Guano Co., Norfolk, Va.

Dear Sirs: Having used your fertilizers for the past two seasons and having obtained such highly satisfactory results, I feel that you might be interested to know how I feel about them. I grew thirty-nine acres of tobacco this year under very adverse conditions that will sell for over \$20,000. I also find your goods equally good for other crops and shall use them again. With best wishes, I am, B. E. ALBRITTON.

MECKLENBURG COUNTY. Finneywood, Va., Oct. 17, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I have been using your guano for several years and I can say that it is all O. K. for all crops. I expect to use it again. I used it besides some other grades, and find that my tobacco was much better and ripened up ten days earlier from your guano than it did from the other grade. Very truly, J. E. BURNS.

BRUNSWICK COUNTY. Hawlings, Va., Aug. 25, 1917. F. S. Royster Guano Co., Norfolk, Va.

Gentlemen: I used your guano this year for the first time and compared it with other guano on three different pieces of land. I found that yours is the best. I used 8 1/2-3. I can heartily recommend this brand to anyone who has tobacco on light sandy soil. I shall always get it hereafter, if its possible I can do so. Yours most sincerely, L. B. WHEATON.