

FOR THE FARMING, STOCK RAISING, DARYING, POULTRY AND OTHER INTERESTS OF THE SOUTHERN STATES.

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50 CENTS A YEAR.

FOR THE GAZETTE

ring the past five years, to ascer- and averaged 63 per cent. basis for determining the in- The increase in the yiell of crease has been the yield of each sorghum hay after cowpea and

varieties of cowpeas was ton, 14.2 cents. or, vary considerably, and ce of growth.

fill than from postponing the stubble was as follows: .rded as generally as best to 18 per cent., worth \$5.20 cts. w in the vines not more

dan a few weeks before the next cent. crop is planted.

at a suitable stage for mowing per cent. 36.6 per cent, and in another another 69.8, and in another 87.2, the legumes. an average of 70.2 pounds of ni-

of nitrogen, an average of 19.75 the rotation of crops, for non- the stubble when the small grain the legumes. pounds of nitrogen per acre, leguminous plants like cotton, was sown immediately after the

pounds of cotton seed meal.

The average of three stests

The average increase in the wheat. vields of succeeding crops was practically equal value for soil to some leguminous plant.

improvement. pea after the pods are picked. vines averaged as follows:

The following is a summary of seed cotton produced in the year Bulletin No. 120 of the Alabama immediately following the plow Experiment Station. This Buling in of the vines of cowpeas or letin will be sent to all addresses velvet beans averaged in four on our mailing list, and any others worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it, addressing worth (at 6 3-4 cents per pound ers who apply for it). their requisites to Alabama Ex- and \$7.50 per ton for seed), \$14.17 periment Station, Auburn Ala. The increase in the first cotton This bulletin records the re- crop after the use as fertilizer of

the soil. The amount of soil im- velvet bean vines had been plowprovement has been determined ed in was 81 per cent., or 12.3 by the increase in the yields of bushels worth at least \$6.15 per cotton, corn, oats, wheat, and acre. With oats the average insorghum, grown as first, second crease from the vines of the sumthird, and fourth crops after the mer legumes in three tests aver-stubble and roots of cowpeas or aged 17 bushels per acre, and

the fertilizing value of the dif- tons per acre, worth at \$6.67 per stock raiser needs it in his business.

When the vines of the cowpea bly in proportion to the or velvet bern were utilized as hay and only the roots and stub-

4.3 bushels of corn, or 32 per-

28 bushels of oats or 33.4 per cent. The average for six varieties 6.7 bushels of wheat, or 215 showed that when cowpeas were 2.08 tons of sorghum hay or 57

The largest percentage incase 39 per cent of the dry crease from either the vines or plant was available for fertiliz- stubble of cowpeas or velvet ing uses in stubble, roots and beans was made by wheat and fallen leaves. In the entire fall sown oats, probat pregrowth of cowpeas on one acre vented the washingy or or 49 per cent. there was contained in one case leaching out of the fertilizing ma-52.7 pounds of nitrogen, in terial in the vines or stubble of per cent.

Generally on sandy soil these acre, or 40 percent. trogen per acre, which is equivi. crops most completely utilize the With these three crops the \$14.32 cents per acre. lent to the nitrogen in 1,003 fertilizing value of the leguines sverage increase in value per which is equivalent to that con- corn, the small grains, grasses, legumes matured. tained in 232 pounds of cotton etc., make better use of the nitrogen of the fertilizing crop.

shows that 28 per cent. of the to- product resulting from the use sandy land, the average increase manency of effect of legumes tal nitrogen was contained in the of the entire legumes for fertili- in the second crop of corn in soil improvement seems to be roots, stubble and fallen leaves zer was greater with cotton and after the stubble being only 1.34 in proportion to the stiffness of after the removal of the hay.

sorghum than with corn, oats, or bushels per acre, or 12 per cent, the soil and to the mass of vegeta-

These experiments emphasize that had not borne legumes. practically identical whether the the importance of such a rotation fertilizer was supplied by cow- of crops as will require a large vines of cowpeas and velvet manent than stable manure. peas or by velvet beans. Equal proportion of the cultivated land beans was less transitory than areas of these two plants were of of every farm to be devoted to that of the stubble and the in-

The word vites is here used fect of the the vines with that of in the third crop, (oits), and the out of a trough early. Keep the wife have to hunt all around for as synonomous with the entire the stubble of the cowpea and favorable effect was even perplant of the velvet bean, and and the velvet bean, the excess ceptible in the fourth crop (sor-

2 Largest Lists of Subscribers

The Southern Farm Gazette, of Starkville,

sults of more than fifty experi- the vines of the summer legumes Miss., will give to the person sending it the LARGEST LIST OF YEARLY CASH subscribers by the 1st of August, 1902, a full scholarship in one of the best business colleges in tain the effect of cowpeas and In one test with corn the in- the South, valued at \$45. To the person sending the SECOND LARGEST list, we will velvet beans in the improvement crease in the first crop where give a scholarship in Stenography in a good school valued at \$10.

YOU CAN LOSE NO TIME. To all others sending in lists who are not successful in winning a premium, we will return 20 per cent of the amount they have sent us as a commission for their work, so no one can lose in this proposition and all stand a chance of winning a premium worth striving for.

This is a splendid opportunity for any young man or woman to acquire a business educavelvet beans or after vines, stub- with wheat the corresponding tion who might not otherwise receive it. The scholarships we offer carry with them all the ble and roots of these plants increase in two tests was 5.65 rights and privileges one would get should they pay cash at the schools.

Go to Work-Attend Public Meetings

crop on plots where no legumi- velvet bean vines averaged 87 and solicit among your friends and acquaintances. Subscribers to THE GAZETTE are easy to get as ens plant has recently grown. percent of an average gain of 2.1 it is the BEST and CHEAPEST agricultural and stock paper in the South and every farmer and

Sample Copies Free.

Notify us that you intend to compete in this contest and we will send you any reasonable number tests there was a slight- ble employed as fertilizer the in- of sample copies that you may request. Send in names and money you secure every two weeks at Wr yield of corn by plow- crease in the yield per acre of least and we will keep a correct record of same. Everything will be conducted FAIRLY, SQUARElowpea vines very late in the crop immediately succeeding LY AND IMPARTIALLY.

Lowing until April; but it is 208 pounds of seed cotton, or Remember the Contest Closes August 1st. Go to Work and be the Successful Contestant.

THE SOUTHERN FARM GAZETTE,

stubble of the cowpea or velvet legume stubbles, this represent-The value of the increased bean was very transitory on ing a value of \$1.05. The peras compared to the yield of a plot ble matter afforded by the legume,

crease was 24 to 54 per cent in Comparing the tertilizing ef- in the second crop, 14 per cent The increase in the yield of 6.6 bushels of corn per acre, in the value of the four crops oc-old.

cupying certain plots during the .5 tons of sorghum hav or 9 three years after the plowing To wait for the weeds to grow. under of the vines of cowpeas 452 pounds o seed cotton, per and velvet beans was \$42.07 per acre, and the annual increase of

On the other hand on yery which leaves the land unoccupied acre was \$5.68 greater from light soil the fertilizing effect of In the roots, stubble and fall- for the shortest interval. It is vines than from stubble. With both stubble and vines had pracen leaves on an acre, respect- unadvisable for legumes to to im- oats and wheat the vines of these tically disappeared within twelve fully, 11.65, 16.2, and 31.4 pounds mediately succeed legumes in legumes were not superior to months after the plowing in of

> Corn as the second crop yielded 14 per cent, or 2.1 bushels The fertilizing effect of the after legumes vines than after and the favorable influence of The fertilizing effect of the leguminous vines is not less per-

> > J. F. DUGGAR, Ala. Expt. Station.

Encourage young pig o eat with the entire crop of the cow- in the next crop in favor of the ghum grown in the same year no more than they will eat up.

pea after the pods are picked. vines averaged as follows; as the third. The total increase You can wean them at six weeks

IT WILL NOT PAY

If we do we must strike blows all the harder to pay for it,

It will not pay to wait till the "old of the moon" to do our work here on earth. The moon is always old-old enough to look out. for herself. We must do the

It will not pay to try to make a two-forty horse of a ten-minute

colt. It isn't in the blood. It will not pay to work after the day hangs up its lantern and gives you a hint to do the same.

It will not pay to keep the noses of the boys and girls down between the from morning to night. If you try it you will look up some day and find that you are

It is not a paying thing to loose a dollar's worth of life to save ten cents worth of money.

It will not pay to let the bright boy leave home and keep the other one on the farm.

It will not pay to let the good

Every Southern farmer should subscribe for the GAZETTE.