Saturday, July 10, 1915

FURROW SLICES

Cultivation of Soy Beans

IN LOOKING over last summer's issues of The Progressive Farmer, I noticed in the issue of July 25 where Dr. Tait Butler asks if soy beans will stand the section harrow. I am in a position to say that I know that they will stand it all right, Betramped down many more than the of any crop that was worth while, harrow injured in any way.

and experimentation.

This spring I planted cowpeas and soy beans on well prepared soil on slight ridges about two feet wide. A rain came soon after I had planted them, and when the peas had come up to a stand and the beans were just. up but had no leaves upon them, the ground was literally blue with crabgrass. Just as the slightest crust began to form I ran a section harrow diagonally across the rows, almost. completely cleaning the field without at all injuring the peas and beans. Since then I have run the harrow across them again, going across the other harrowing. This time the peas and beans had five or six leaves on them. The beans stood it much better than the peas. Frequently the harrow would uproot a pea plant, but very seldom a soy bean. Of course there might be many conditions when such cultivation would not be at all feasible. If there are clods they will lodge against the teeth and drag down the plants. It is the same way with trash. And if the soil is extremely loose or there is too thick a crust formed the harrow will cover up many plants. I find that though the soy bean is very weak during and just after germination, after it gets four to six inches high it is much tougher than cowpeas. JOHN H. DAVIS. Ripley, Miss.

's

ve to ty he he

ina, vith has He and

ighs aves

ugh

only

ider, his rich-e all

ually fod-

after

feed

aster,

MS.

be a better profit in growing this Italian rye than there is in growing cotton, even at 10 cents a pound. JAMES S. WHITE.

Rock Hill, S. C.

Bur Clover as a Soil Builder

A YORKVILLE gentleman who recause I tried it last year. I sowed a A cently spent a short time at piece of ground that was rather poor. White Oak, in Fairfield County, has and devoid of humus. The season been telling the Enquirer something was extremely dry. When the beans about the experience of Mr. R. A. Patwere about six inches high they be- rick with bur clover. Mr. Patrick is gan to turn yellow and to drop some the owner of large tracts of land, of their leaves, looking as though much of it the best in the country and they were in need of nitrogen and much of it badly abused and washed wanted inoculation. I pulled up a away. During several years past he has few plants and found no nodules on heen sowing bur clover on a large scale the roots. I ran a section-harrow and his testimony is that on some of over them. I believe that I would his poorest lands, where previously it be safe in saying that the horse was almost impossible to get a stand

after he had sown and turned under Now it stands to reason that the a crop of bur clover it was comparaharrowing conserved the moisture tively easy to get a stand of anything. and let the air into the soil more. Where the clover had been growing freely. And while I cannot prove it, continuously for several years the I believe that the harrowing caused soil had become richer and richer. the bacteria to become fixed on the One sowing of the clover is all that is roots sooner than if the beans had necessary, as it reseeds itself indefinot been harrowed. The bruising of nitely. Mr. Patrick does not use the the roots might have given the bac- clover for anything except soil buildteria a better chance to attach them- ing. In collecting seed he rakes over selves to the roots. At any fate the the field with a many-tooth rake and subject is well worthy of more study then has the seed swept into piles with brooms .- Yorkville Enquirer.

Clover Seed Stripper a Success

NE of our county agents has just completed a practical test of the efficiency, and capacity of the clover seed harvester, which we have been advocating. He says it is a perfect success, and by actual test will save, enough seed in one day to plant 20 acres.

In making his machine, he used two wheels of a one-horse wagon, and the **Our Educational Directory**

HORNER MILITA RY SCHOOL CHARLOTTE, N. C.

(Formerly at Oxford, 'N. C.)

(7) 635

A School of Strong Purpose and Splendid Accomplishment Founded in 1851 and thoroughly equipped to prepare boys for College, University, the Government and Technical Schools and Business Life. Under sixty-four years' administration of a family of eminent Christian educators. Now at Charlotte with improved equipment and ideal conditions. A non-sectarian though strictly Christian School. Parental discipline. Military training develops obedience, sense of responsibility, neatness, control, manly carriage and health. Daily military drills and exercise in the open air.

Beautiful elevated campus, athletic field, baseball and football fields, tennis courts and running track. Buildings the best for health, comfort and safety. Personal individual instruction and intimate association. Strong faculty. Rates very reasonable.

For handsomely illustrated catalog giving views and full particulars, Address J. C. HORNER, B. A., M. A., Principal, Dept. A, Charlotte, N. C.

\$99.00 Pays Board, Tuition in Literary Department, Room Rent, Heat and Light for a Full Session of Nine Months at

PIEDMONT HIGH SCHOOL

Situated in Cleveland County mid the foot-hills of the Blue Ridge. Mineral Water, No Malaria. Splendid Community. Honor students at Wake Forest, Trinity, Meredith, the University of N. C. and Leland Stanford University. One tri-state debator and two interstate debators among Pledmont boys in college last session.

'Most heartily do I commend the school to all who have sons and daughters

educate."-Dr. Chas. E. Taylor, Wake Forest College. "One of the best preparatory schools in the State."-Cleveland Star. "It is the best and cheapest school in the State."-E. M. Koonce, Member of N. C. Legislature.

"In my opinion there is no High School in this part of the country doing better and more thorough educational work."-E. Y. Webb, Member of Congress. "The Young Men Who Have Come to the University from Piedmont High School have taken a good stand in their classes and have done faithful and satisfactory work."—Francis P. Venable, University of N. C. Fall term opens August 3d. For handsomely illustrated catalogue and book of views write to W. D. BURNS, Lawndale, N. C.

Mt. Pleasant Collegiate Institute "Merit, the Measure of Success"

A high-grade Institution for young men and boys, preparing for business life, teaching, or advanced class in College and Uni-versity. Accredited relations with University and leading Col-leges. Government that appeals to manliness and develops self-control. Beautiful and healthful location in Piedmont, Carolina. Commodious brick buildings on elevated, shady campus Splen-did athletic grounds. Total expenses for the session under \$225. Many things you will want to know set forth in illustrated catalog, sent free. Address,

G. F. McALLISTER, A. M., Principal,

Alfalfa, Rye and Clover Pay

TOOK your advice last fall about boiling the bur clover seed when I sowed a seed patch, and I believe it helped a great deal, although my stand was not perfect by a good deal -the trouble was in sowing too late, I think-about the first of November. So many of the farmers around Rock Hill have been successful with alfalfa, I thought I would try some too, so I sowed an acre and a half in October, 1913. It did so well I put in two more acres and now have about 31/2 acres of good alfalfa and am satisfied that my land, a sandy loam fine crops of alfalfa.

My Abruzzi rye has given me as much satisfaction as anything I have tried. I started with \$5 worth of seed year before last and sowed all I made from this-some with a onehorse drill in my cotton and some broadcast during the last cultivation. I let some calves and the hogs have about two acres of my crop this year, and I think I will get at least \$150 worth of seed rye. There is bound to

cash outlay amounted to only \$3. Of course, however, the whole cost of the machine was probably \$10 to \$15 altogether. Many farmers have discarded buggy or wagon wheels with axles and other unused material which can be used for making the machine. They can be constructed on rainy days when farmers cannot get into the fields, so the actual outlay for these machines is very small in most cases.

C. R. HUDSON. . Raleigh, N. C.

The Nut Grass Problem

TN YOUR good paper of June 5 you I have an editorial headed "Nut Grass-A Problem for Our Southern Experiment Stations." Now I wish to commend you for bringing this much needed problem to their attention. I have this pest upon my own farm and have been trying in vain to eradicate it for a half dozen years. If some practicable means could be worked out to destroy this grass it would be worth many thousands of dollars to my county (Robeson) alone, to say nothing of our state and A. H. WHITE. the South. Maxton, N. C.

Squash Vine Borers

A BOUT the first signs of the pres-A ence of squash-vine borers is their vellowish excrement found beneath the vines. Later the leaves suddenly wilt and die and the burrows of the borers cause the vines to rot. These borers work their way from the roots with red clay subsoil, will produce of the plants to the stem of the leaves and sometimes they work into the leaf stems. A full description of the Squash-vine Borer is given in Farmers' Bulletin No. 668. This bulletin may be secured free by writing to the United States Department of Agriculture, Washington, D. C.

"When water becomes ice," asked the teacher, "what is the great change that

"The greatest change; ma'am," said the little boy, "is the change in price."-Ladles' Home Journal.

