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WHEAT AFTER POTATOES.

A Successful Wheat Grower Describes His Methods for the Benefit of Others. One of New Jersey's farmers, who is an advocate of fertilizers, and furthermore especially successful with his wheat, was interviewed by Rural New Yorker with regard to this crop. Following are some of the facts elicited during the interview. Dr. Coombs, the farmer in question, has 200 acres and grows corn, potatoes, wheat and hay. He uses all stable manure on corn and heavy dressings of fertilizers on pota-

toes. The success of his wheat depends

largely upon the fertilization and culti-

vation of the potatoes. This is the way

he prepares his land, as told in his own

When the field has been in potatoes we do not plow for wheat. We always dig potatoes with a horse potato digger, and after this we complete the preparation of the field for wheat with a spring tooth harrow or with a cultivator and an Acme or other good pulverizing and crushing harrow, and afterward a Thomas smoothing harrow. We use a or nine tubes. As usual with these drills, the seed and fertilizer are put in separate compartments, but they pay out together through the tubes in rows seven to nine inches apart and are covered to the depth of two to three inches. We adjust the

drill to the gauge of 500 pounds per acre. The quantity of seed we use per acre varies with the variety, also with early or late seeding. We have used one variety, Martin Amber, at only three pecks per acre, and yet there could be seen no difference at any of the later stages of the growth of the crop between this and another piece where one and a half bushels of the variety Fultz had been sown; nor was there any difference in the yield. In late sowing where the tillering is not to be more commonly used. At present apt to be so good there should be an in- prices there is no material which can creased quantity of seed used. Of late we have been using Rochester red, and at the rate of two bushels per acre. I be devised which will insure permalike to get my wheat all sown by Sept. nency to the framework and at the same 27. This is early enough to admit of a time give an effective service of say ten good start before winter, and it is late enough when well fed with fertilizer to of a material for silo building will be have a good chance to escape the Hessian fly and other injurious insects. Since we have used fertilizers instead of farm manure on the wheat I, in common with later than formerly.

Of late years I have invariably followed my potato crop with wheat, and as I fertilize the potatoes liberally, say 1,500 to 2,000 pounds of potato manure per acre, I do not use much fertilizer on the wheat crop, finding from experience that enough of the plant food from the potato manure is left to insure the wheat and subsequent grass crops. I use the complete manure, "A" brand, say, 250 to 300 pounds per acre. If the field has not been in potatoes or other crop that has been liberally manured, then I use the complete manure for heavy soils, 500 pounds per acre, or the complete manure for general use. This may seem a large quantity of a high grade complete manure to use on the wheat, but I am led to adopt it as the result of a practical experience in my early use of these fertilizers. I do not use farm manure for wheat. What I have I use on corn; sometimes on grass lands after mowing.

Prevention of Swarming.

No practical method has been discovered for either preventing or controlling natural swarming. We have been told of the queen restrictors, of clipping the wings of queens or the "jump' method, and how swarming is prevented by extracting from the brood chamber. etc. All these have some effect in retarding and preventing the issue of a natural swarm, that of extracting from the brood combs being the most effectual. When an apiary is worked for comb honey it is not advisable to disturb the brood nest. A colony seized with the swarming fever will surely swarm, even though there is an unlimited amount of surplus room in the hive. It is when the bees have this fever that a method for prevention of swarming is

The queen trap is the only thing that will serve the apiarist when he has bis hives all equipped with sections, and is either away from home or very busy. If not ready to attend to hiving a swarm when one issues, it will not be necessary to do so if there is a trap on the hive. If a swarm issues from a hive provided with sections, the combs ought not to be disturbed for three days, at which time the queen cells should be removed, and the queen that came off with the swarm mintroduced. Any other queen will do as well, and can be safely given the bees if a change of queens is desirable. No swarm will issue from that hive until the next season.—American Apiculturist.

Harvesting Grains. When the heads ben over and the straw takes on a yellow tinge it is time to begin harvesting. If any doubts exist examine the kernel. It should be fully grown, plump and yet soft enough to be easily broken with the finger nail. It is best to hind as fast as cut and put in stooks as fast as bound, or as soon as possible. Both grain and straw ripen better standing erect in the stook with an upward ventilation among them than when lying down and exposed to the sun. Large stooks are preferable to very small ones, as a less surface is exposed to the weather. Cotton cloth is so cheap that each farmer should have hay caps enough to cover his hay when obliged to leave it out over night, and he could then use it to cover the tops of his grain stooks whenever he saw appearances that would indicate approach-

If the grain is bound by hand, says American Cultivator, authority for the foregoing, the binder should be instructed to reject all large weeds in New York, will manage this departmaking his bundle.

CONSTRUCTION OF SILOS. Opinions Expressed in a Bulletin from

the Wisconsin Station. The points here given are based upon the extensive investigation of Mr. F. M. King, of the Wisconsin station, who examined ninety-three silos. As a result of his observation and experience, Mr. King believes that the sile should not be less than twenty-four feet deep and either round or as nearly square as practicable, because "these forms give the greatest capacity with the least amount of neapolis and Duluth and Ashland to Milside exposure." In the construction of silos careful attention should be paid to it is not necessary to use jawbreakers. Let the area of surface exposed in feeding the silage. Silage wastes much more rapidly when fed from the sides than from the top, and hence it follows that avoid all polysyllabic profundity. psittacethe feeding should be in general from the top. The proper horizontal area of the feeding pit depends upon the amount of silage fed daily, and the rate at which obscurent or apparent. In other words, of silage fed daily, and the rate at which of snage fed daily, and the rate at which the silage becomes seriously injured talk plain'y, naturally, sensibly, and truthfully say the Wisconsin Central Lines is when exposed. The spoiling is certainly | THE route, and that ends it. more rapid in the shallow than in the deep silos, and more rapid when corn or clover is put in whole than when cut, because it is impossible to feed the surface down as evenly and keep it as smooth.

inches daily, and that three would be depth fed daily, forty as the number of grain drill six feet in width with eight animals, 150 days as the feeding period and 1.5 cubic feet as the amount fed to each animal daily, a round silo 17.5 feet inside diameter and 37 feet deep would be required. The same conditions would also be met by a round silo 22 feet inside diameter, 24 feet deep, with a partition through the center.

Where all the silage can be fed conveniently from one point, and a large amount must be stored, one sile with partitions is not only much cheaper but better than separate structures, for the round silo with partitions makes less corners than the rectangular ones do. Two wide thicknesses of boards with paper between them make a better partition than the 2-inch plank, which appears compare with wood in cheapness of first cost, and if a mode of construction can time give an effective service of say ten years to the lining, the essential demand met by it. Only sound and well seasoned lumber should be used.

Light Brahma Crosses

Where size and hardiness are required the light Brahma is unexcelled. It has many advantages over some breeds, and there are drawbacks connected with the breed which often debar it from some yards. It is safe to say, however, that Brahma chicks are more easily raised than any other, and if they are fed with judgment it is not often that the hens are excelled for laying. The Brahma has a small peacomb, which is a partial protection against frost in winter, and it is also aided by heavy feathering. As a bird adapted to confinement it is excellent, for it cannot fly over a fence three feet high and is contented in disposition.

Its faults, according to Farm and Fireside, authority for the foregoing, are leg feathering, lack of breast meat, clumsy movements when carrying chickens and aptitude to fatten. Its propensity to easily fatten is a desirable characteristic if hens are intended for market, but when Brahmas reach maturity they are liable to become too fat as layers unless carefully fed, and but little corn should be allowed them for that reason. When crosses are made with the Leghorn male and Brahma hen the pullets so procured are excellent, being good foragers and layers, but the males from the cross are worthless except for the market. A cross of Indian game male with the Brahma hen produces fine table fowls. The pure bred Brahma males are excellent for improving common flocks, both in size and egg production.

Two Cabbage Heads from One Plant. I. A. Root tells in his Gleanings how to do it. He says: Set your Jersey Wakefield on the richest land, and when the heads are ready to sell cut out the head, leaving all the outside leaves attached to the stump; that is, cut out the head so as to have no leaves to strip off and throw away, for the leaves are all left on the stump. Now keep cultivating these stumps along with the other cabbages that have not yet headed, and very soon small heads will start out on the stump. Pull off all these little heads but the best one, and this will soon make a head as good as and maybe better than the first one. I presume this is not new to many of you, unless it is the picking off of all the little heads except one. These second crop heads will, many of them, mature so late that they may be win-

tered over in the usual way Agricultural Notes. Prospective exhibitors to the New York state fair, at Syracuse Sept. 8 to 15,

are informed that entries close Aug. 8. Pennsylvania classes crows among 'useful birds" and has repealed the state law by which a bounty was for- Conveyancing & Perfecting Titles a Specialty. merly paid for their destruction.

city find a good retail market for absolutely fresh eggs in the soda water fountains in drugstores and saloons. The efforts of the agricultural department to introduce Indian corn in Eu-

rope as an article of food are meeting with considerable success, especially in Germany. The custom house at Chicago has received a milking machine from Glasgow, Scotland, for which great claims

are made. Time will tell if this machine is worthy of patronage. It is announced that a dairy department will be included in the Madison Square garden food exposition, Oct. 1 to Mr. James Cheeseman, Pierce building, Franklin and Hudson streets,

A WARNING-DON'T USE BIG WORDS.

In promulgating esoteric cogitations or In promulgating esoteric cogitations or articulating superficial sentimentalities and philosophical or psychological observations, beware of platitudinous ponderosity. Let your statements possess a clarified conciseness, compacted comprehensibleness, coalescent consistency and a concentrated cogency. Eschew all conglomerations of flatulent garrulity, jejune babblement and asinine affectations. In trying to impress upon others the superiority of the Wisconsin Central Lines, and why you and so many others use waukee, Chicago and points east and south, your extemporaneous descantings and unpremeditated expatiations have intelligibility and veracious vivacity, without rhodo-montale or thrasonical bombast, Sedulously

plete catalogue and price list of the Evergreen Nurseries, of Evergreen, Wis. This nursery is well known throughout the west, The authority quoted says that the silage should be lowered at least two distributed more evergreens and forest trees through this state than any other man in better. Taking three inches as the the country. Although he raises and sells depth fed delly forty as the number of millions of forest trees annually, his specialty is evergreens. He plants hundreds of pounds of the seeds every year, and now has nearly three hundred varieties on his lists, fully equalling the largest nurseries in Europe, which supply the nurseries and parks of royalty. Of course, having such a large trade and growing them in such large quantities, he is able to give better prices for the same quality of trees than any other nurseryman in the country. It is well worth the while of any person to send for

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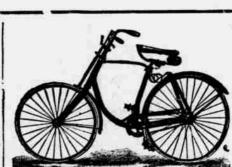
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