

Do You Grow Beans?

An Up-to-Date Farmer Tells How to Make the Bean Crop Profitable.

"Grow beans as a cash crop and that is my hobby. I have fertilized beans for eight years, and what I know I have learned by experience.

There are only two ways to use fertilizer on beans. One way is to sow 200 pounds per acre on each side of the bean row, that is, by using a fertilizer grain drill, 11 hoe, and let six tubes sow fertilizer and five tubes the beans, and get on 200 pounds to the acre. Don't let the fertilizer run in with the beans as there is too much danger of burning them. The other way is to sow part broadcast.

I am going to sow fifty acres of beans this Spring. Some of the ground is very poor. On the poorest I will sow 300 pounds of

Homestead High Grade Fertilizer

broadcast with a drill and work the ground in good shape, and then when I sow my beans will sow 200 pounds more per acre on each side of the beans, making 500 pounds per acre on the poorest ground.

I have used many kinds of fertilizer—different kinds and analyses. But at the extra cost I prefer HOMESTEAD High Grade Fertilizer with a high analysis, especially for lighter soil. Some authorities claim that you don't need any Nitrogen for beans. My experience in growing beans is to use a quick acting fertilizer with high percentages of Nitrogen, Phosphoric Acid and Potash. Last season on a soil that would not grow ten bushels of beans per acre, by using 500 pounds of HOMESTEAD High Grade Fertilizer I grew 28 bushels per acre.

Let me say, don't be satisfied with 10 or 11 bushels per acre. If your soil is not too heavy, and if you get it rich enough, you can grow 30 to 40 bushels per acre. I am speaking of pea beans. They are the kind I grow. Sow from three pecks to one bushel per acre according to size of beans. **Above all, don't use cheap Fertilizers, for they are too dear to buy for the plant food they contain.** (Name given on application).

We furnish quick acting, high grade Fertilizers of many different compositions to meet the requirements of all crops grown on various kinds of soils. We make grades where either the Nitrogen, Phosphoric Acid, or Potash are component parts, with the right percentages of the other elements of plant food to properly balance the Fertilizer to use on muck land, clay, light soils, etc.

If your land is rich in Nitrogen you will save money by using Phosphoric Acid and Potash to balance out the plant in the soil. Progressive farmers who study out these things are more successful than those who have not realized the great difference in Fertilizers. Even at the same price, one grade of Fertilizers under certain conditions

will produce more profitable results than another.

In selecting Fertilizer the farmer cannot be any too careful. He should make sure that the goods are manufactured by a reliable firm, so that he may depend upon getting full percentages of plant food and of the highest agricultural value, also in first-class mechanical condition. The reputation of the manufacturer is very important.

It is a simple matter to apply our Fertilizer, because it is finely ground. You can sow it with a grain drill before planting. But, if you have no drill, scatter the Fertilizer by hand from the wagon and go over the field with a harrow.

Write us and we will tell you how to fertilize properly and economically. Will also send booklet on Fertilizers, including article by John A. Widtsoe, Ph. D., telling how to fight drought with fertility and why richness of soil makes up for lack of moisture. Every farmer should read it. There is nothing so expensive to the farmer as a poor crop. Some farmers are satisfied with fair crops and ordinary Fertilizers because they have never used the best. We want agents for unoccupied territory.

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY
MICHIGAN CARBON WORKS, DETROIT, MICHIGAN.

Largest manufacturers of high grade fertilizers in the world.

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THE HOLSTEIN SALE AT NORTH TORONTO.

Only a meagre mention of the high-class breeding, individuality and performance of the ninety head of Holstein cattle to be sold at the farm of Jos. Kilgour, North Toronto, on Friday, February 9th, can be given in the space at our disposal. A post card to Mr. Gordon Gooderham, Bedford Park P. O., Ont., will bring a catalogue giving full particulars. Among the offering of Mr. Gooderham are such good ones as Canary Queen, seven-day record 19.33 lbs.; Aaggie Korndyke Queen, seven-day record at three years, 18.2 lbs.; Dirkje Tek, seven-day record at four years, 22.40 lbs. Others in R.-O.-P. tests have made up to 1,200 lbs. in thirty days; 10,980 lbs. in one year; two-year-old heifers up to 7,700 lbs. in eight months, etc. Four of Mr. Gooderham's offering are heifers between one and two years of age; four others are heifers under one year, all out of R.-O.-M. or R.-O.-P. cows. Several of the younger ones are got by and the older ones bred to Prince Hengerveld of the Pontiacs, a richly-bred son of the great King of the Pontiacs. One of the young bulls in this lot is out of Inca Sylvia, seven-day record, 26 lbs. The offering of R. F. Hicks totals 13 head, 10 females and 3 bulls. Among the females are Sherwood Gano, R.-O.-P. record 17,600 lbs. in one year of milk, and 821 of butter; Rideau Delham Lina De Kol, seven-day butter record, 21½ lbs.; Calamity 3rd, R.-O.-P. record 11,300 lbs. in eleven months, and others in the R.-O.-P. records. Several of this lot are young, some of them of the great Faforit family, a few of them sired by Faforit 5th's Gamey, whose dam's record is 26 lbs. in seven days. The older ones will be in calf to Sir Lyons Hengerveld Segis, whose dam's record is 33.31 lbs., and butter-fat test 4.312 per cent. He is a son of the great King Segis, with 60 A.-R.-O. daughters with records from 22.41 lbs. for a two-year-old, up to 31.87 for mature cows; his dam's record is 29.62 lbs., and sire's dam 29.36. The offering of C. R. James will be 5 females and 1 bull. One of the females as a two-year-old gave 10,586 lbs. milk in one year; another, same age, gave 11,675 lbs. in one year. None of the others were tested. The dam of the five-months-old bull calf to be sold, gave in one year, as a two-year-old, 11,142 lbs. He is sired by a son of the great Prince Pietertje C. The females of this lot will be in calf to Prince Calamity Mercena, whose dam as a two-year-old made a seven-day record of 11 lbs. G. H. McKenzie contributes four head, three of them females, and one two-year-old bull, whose dam in R.-O.-P. test, gave 11,170 lbs. milk, and his sire was the richly-bred Prince Posch Pietertje C. The females have never been officially tested, but private butter-fat tests have never been below 4 per cent. John McKenzie contributes twelve head, four bulls, four mature cows, and four heifers. The heifers are by a grandson of the famous Sarah Jewell Hengerveld, whose record of 30 lbs. was a sensational one in her day. None of the females have been officially tested; all old enough are bred to Sir Lyons Hengerveld Segis, described above; several of them are milking up to 60 lbs. a day. Three of the bulls are under one year, the other a four-year-old, whose breeding we overlooked. J. C. Bales contributes two females and two bulls. The females are a big, business pair, good for 70 lbs. a day. One of the bulls is a calf, the other is Sherwood Faforit Posch, a four-year-old, whose sire's dam and granddam have records that average 25½ lbs., and his dam's dam, a R.-O.-P. record of 17,600 lbs. milk in one year. O. Bales contributes ten head, one bull, six mature cows, and three heifers. Several of them are in the R.-O.-P. records. Hyacinth, 13,800 lbs. in 11 months; Daisy, 10,500 lbs. in 11 months; Queen, 13,000 lbs. in 1 year, etc. The heifers are sired by Faforit 5th's Gamey, and all of breeding age are bred to Sir Lyons Hengerveld Segis. The contribution of Joseph Kilgour is five females and three bulls. None of the females have been tested, but are heavy milkers, up to 75 lbs. a day on ordinary feed. Two of the bulls are calves, the other a two-year-old Mar-

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A. B. & T. W. Douglas, Strathroy, Ont., in their advertisement, offer for sale or exchange the imported Shorthorn bull, His Grace =69740=; also for sale, ten young bulls, sired by His Grace, and of serviceable age. Also two Clydesdale stallions rising three and four years old, from imported sires and dams, Clydesdale mares and fillies, and Shorthorn cows and heifers, are also for sale.

Bickmore's Gall Cure



The old-time remedy for keeping horses in condition. Don't lose the services of your highbred horses. Bickmore's Gall Cure cures Galls and Sore Shoulders while the horse works. Approved remedy for Cuts, Wounds, Scratches, Grease Heel. Sold by dealers, money back if it fails. Gray horse trade mark on every box. Sample and valuable 4-page horse book sent on receipt of a stamp for postage.

WINGATE CHEMICAL CO., Canadian Distr's, 888 Notre Dame St. W., Montreal, Can.

Please Mention The Farmer's Advocate