

ERADICATE CROP OF QUACK GRASS

Courage, Determination and Attention to Detail Make the Outcome Certain.

ROTATION FOR LARGE AREAS

Land Should Be Plowed in Fall and Double-Disked at Once, Lengthwise of Furrows—Some Hand Work May Be Necessary.

Quack grass can be killed out completely without losing a crop, says A. C. Army, assistant agriculturist at the Minnesota College of Agriculture. To secure such a result, however, the crops grown must be such as to admit of a thorough clean-up of the fields every two or three years. Courage to do the work, a determination to win, and attention to detail make the outcome certain.

For the Small Spot.

For spots not more than three or four rods square, three plans may be followed:

1. Cut the quack grass as close to the ground as practicable, cover the spots and the ground two or three feet beyond them in all directions, with tar paper, lapping the paper about four inches and weighting it down with stones or soil. Leave the paper on eight or ten weeks. This method is most effective when started from May 1 to August 1.
2. Keep the spots thoroughly cultivated or hoed up to the latter part of May, and then plant corn or late cabbage. Keep these plants clean of quack grass.
3. Apply sodium arsenate, eight pounds dissolved in 20 gallons of water, to each square rod of infested soil. This will kill the quack grass and all other plants. This treatment leaves the soil sterile for some time afterward. Sodium arsenate is a deadly poison and the greatest care should be observed in its use.

For the Larger Area.

For larger areas a rotation must be used that gives chance for an exceedingly thorough clean-up often enough to keep the quack grass from recovering.

A four-year rotation of grain, clover, corn and corn meets this demand. In following such a rotation, the area should be plowed as early as possible in the fall, five or six inches deep, and should be double-disked at once.



Disking Corn Stubble to Kill Out Quack Grass.

lengthwise the furrows. If the quack grass shows growth afterward the diskings should be continued through the fall. In the spring, diskings or cultivation should be continued often enough to keep the quack grass from showing green above the ground until corn-planting time. Usually the re-planting of the field just before the planting of the corn should be resorted to. Corn should be checked and cultivated often enough to keep it clean. Hand work may be necessary to get all the quack grass out of the hills. As soon as the corn crop is off in the fall, the land should be plowed and manured. In the spring again diskings should be resorted to and should be kept up as during the previous year. In the third year grain and clover should be sown. In the fourth year the clover crop should be cut in the latter part of June, then the ground should be plowed immediately, three or four inches deep, and double-disked at once and often enough to keep the quack grass out until August 15. The ground should then be replowed five or six inches deep and the disking continued through the fall. Corn should be planted the next year again.

A 40-acre field divided into four equal parts, two of which are in corn, one in grain and the other in clover, can be handled in this way by one man with one team.

Quack grass cannot stand up against this kind of treatment.

CUTTING ALFALFA CROP ONCE

Aftermath Furnishes Pasture for Live Stock at Time When It is Usually Needed.

When the alfalfa crop is cut but once, that cutting is best made when most of the seed is in the hard dough stage. Hay cut at this stage of maturity has practically the same feeding value as that cut earlier, according to analyses made at the Iowa experimental station. After the one cutting is secured, the aftermath furnishes pasture at a time when it is usually most needed.

GOOD PLAN TO PICK SEED CORN IN FALL

Select Ears From Plants Which Have Done Well.

Some Characteristics for Farmer to Keep in Mind When Making Selection of Best Seed for Next Year's Crop.

The best way to select seed corn is from the standing stalks. Why? Because we can choose ears from plants which have produced well in competition with neighboring plants. After the corn is cut we cannot tell how it grew.

This is the reason why some of the best seed corn growers go through their fields as soon as the ears are ripe and hard and before heavy frosts or autumn rains injure the corn to pick out their seed for next year.



Selecting Seed Corn Under Field Conditions.

Some men mark the selected stalks, but do not cut them until after the field is cut. Others husk the selected ears before cutting and hang them up at once in a place where they will dry quickly.

The characteristics to keep in mind in selecting corn in the field are: A sturdy, upright stalk of medium height and thickness, with short joints, and broad leaves carried well down, which stands in an average hill on average soil; an ear well matured and low set, of fair size, with straight rows and fairly well-covered tip, with deep uniform grains, having a medium sized cob, a rather small butt, and a husk protecting the tip; the ear hanging over so as to shed the rain. Although some strains of corn have been developed that tend to produce two ears to the stalk, one good ear is all we should expect where the stand is thick enough. It is much better to obtain one good ear than two middling ones. Anyone who takes an interest and pride in his corn will find profit and satisfaction in field selection, especially if it is followed up for several years.

ACID PHOSPHATE BIG FACTOR

Large Increase in Corn, Wheat and Clover Hay Obtained at Ohio Experiment Station.

The Ohio station in testing manure and fertilizer has secured an average yield of corn of 67 bushels per acre for 21 years, or an increase of 35 bushels over the yield where no manure or fertilizer has been used. The corn crop was grown in a rotation of corn, wheat and clover. The manure applied in this case had been re-enforced in the stables at the rate of 40 pounds of acid phosphate per ton of manure. Eight tons were applied to the clover sod in the winter before it was plowed down for corn.

The experiments show that manure loses much of its fertilizing properties when allowed to be leached by rains, and also that manure needs re-enforcement with phosphorus to be most effective. From this application of manure and acid phosphate there has also been an average increase of 15 bushels of wheat and 2,500 pounds of clover hay over the untreated plots in the rotation, the wheat and clover following the corn without any further manuring or fertilizing.

TO HANDLE STUBBLE FIELDS

If Cultivated Crops Are to Follow Good Plan is to List Land Soon as Possible.

One of the best ways to handle stubble fields on dry lands is to disk the stubble as soon as possible after the crop is removed, according to Professor Kezer, Colorado agricultural college. If the land is to be put back into fall wheat, plowing should be done immediately. The earlier the plowing is done, the better the chances of getting a crop. This is due to the fact that nature requires some time to properly settle and compact the seed-bed.

If the stubble land is to be put into cultivated crops the following year, a good method to follow and a cheap one is to use the lister just as soon as the grain is off if possible. This is one of the cheapest methods of controlling weeds and putting the land in shape to catch moisture. It also is a very good way to control blowing.



THE WAY OF IT.

"When my friend was traveling in England he met with a footpad, who ordered him to give up all the pounds he had about him."
"I suppose he handed them over with relucency."
"Not a bit of it. He handed them over with his fists."

Analyzing the Situation.
"I don't think Reginald is going to propose, mother, dear."
"But, Gladys, he is constantly buying you the most expensive presents."
"They are what convince me that he will never be able to rent a flat and pay the first installment on the furniture."

As Viewed in Perspective.
"What has become of the old-time political boss?"
"The type is obsolete," replied Senator Sorghum. "And his authority in political affairs never became broad enough to warrant the title. He was never a real boss. He was merely a profiteer."

Experience.
"If the applicant for a stenographer's position here is a married woman, I won't have her."
"What difference will that make if she is a good worker?"
"Don't matter what kind of a worker she is. Married women won't take dictation."



REFUTING A SLANDER
The Tourist: You have a good many earthquakes here, don't you?
The Native Son: Never an earthquake. That story was started by some Eastern prudes who were shocked when the earth did a shimmy now and then.

On Deck.
The boy upon the burning deck Expressed himself with vim: "If I get out of this, by heck, You bet I'll learn to swim!"

The Aid of Science.
Mrs. Faraway—Don't you consider the wireless telegraph the most wonderful invention of the age?
Mr. Theopis, the Theatrical Manager—No'm; the telephone. I haven't one of the characters tell the plot into a receiver we save the salary of a man to play a family servant.

A Sincere Economist.
"Every evening I get Charley to explain the League of Nations to me all over again," said Mrs. Torkins.
"Doesn't it become tiresome?"
"A trifle. But I want to keep his mind on politics. The guessing is so much less expensive than it is in horse racing."

Contrary Tactics.
"There is one thing about putting over crooked work."
"What is that?"
"It has to be done with a straight face."

Appropriate Condition.
"I see where they christened some destroyers with elder."
"I suppose that was to pledge them always to be in apple-pie order."

No Danger.
"Miss Squintleigh says her face is her fortune."
"Then she is in no danger of being married for her money."

Quite So.
Sympathetic Friend—That young man's case is a very touching one.
Practical Acquaintance—I should say it was. He touched me for \$50.

He Gives It.
"Does your friend, the magistrate, know anything of 'busie'?"
"I think I may say he is a good judge of time."

More Satisfactory.
"You say you are having your revenge on the man who treated you so shabbily. What did you do to him?"
"Nothing. But his son has been given a French horn, his daughter is taking singing lessons and his baby has a bad attack of colic."

Her Job.
"The girl in the phonograph department isn't a bit stuck up."
"Of course not."
"Yet she is constantly putting on airs."

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Spoiled Agent's Gait.
"I had a rather curious experience during the war," remarked the novelty salesman.
"What was that?" asked the genial shoe drummer.

"I tackled a factory where a great many women were employed and tried to sell them a patent pocket lighter."
"Of course, women didn't have much use for a thing like that."
"I should say not! Most of them had already learned how to strike a match on their overalls, man-fashion, and were so darned proud of the accomplishment I didn't make a sale."
—Birmingham Age-Herald.

English Factory Farm.
A factory farm in Lincolnshire, England, instituted by Dennis Brothers, with its center at Kirton, possesses a capital running into millions of pounds sterling. Last year £20,000 (roughly \$100,000) was distributed among the workmen on a profit-sharing system. By intensive cultivation £60 per acre was realized last year from a considerable number of acres. The farm possesses its own railroads, factories and machine-making shops.

Misleading.
"You call her a fair sample of the beauty of the place?"
"We so consider her."
"How can she be a fair sample when she's a brunette?"

POINTED OUT BRIGHT SIDE

Optimist's Brave Effort to Convince Afflicted Man That the Cloud Has Silver Lining.

Mr. Juergins had been suddenly afflicted with a stiff neck. Not only was it a painful stiffness, but it caused him to twist his head around until he seemed to be trying to look behind him over his left shoulder, and his head was rigid in that pose.
"Of all the confounded trials a man was ever subjected to," he said, "this is the limit. They say to look on the bright side of our affliction, but I'd like to know how I could make use of this stiff neck."

"My dear friend," said the optimist, "think what a golden opportunity this is to sit for your picture without having to allow the photographer to twist your head around that way and jab those ice-cold tongues into the back of your neck!"

Doused, as it Were.
No man can carry water on both shoulders and make much headway. He gets cold water thrown on him from all angles and acquires the appearance of a drowned rat.

Summer Love.
"Beautiful girl, I love you."
"But you barely know me."
"Perhaps that is why I love you."

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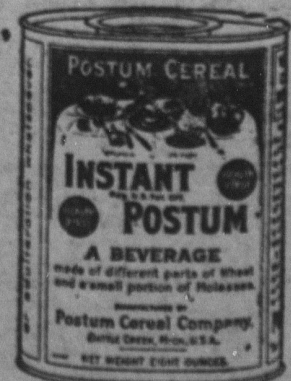
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The Reason. "Why do the lawyers try so much hot air on witnesses?" "Because they want to pump them."

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