

PRACTICAL ADVICE ABOUT DIVERSIFIED FARMING

Indirect Fertilizers.

Gypsum, or land plaster, is sulphate of calcium, and has a limited action. It does furnish calcium and some sulphur, which are both required in considerable quantities by such crops as clover and turnips, but its chief action is in aiding the process of nitrification by which ammonia and the nitrogen of organic matter are converted into forms which are readily assimilated by the plant, and in liberating potash and other elements of plant food from insoluble forms of combination and making them available. Lime, like gypsum, aids nitrification and liberates plant food from insoluble forms of combination, but it is more powerful in its action. Heavy clays, which are rich in insoluble potash, and soils containing large quantities of humus are those most benefited by lime. In reclaiming swamp lands the acid humic matter of the peat is neutralized by the lime and the conditions thus made suitable for the oxidation of the nitrogenous organic matter and the production of ammonia nitrates. Lime has also a very beneficial influence on the physical condition of the soil.

Common salt supplies no essential ingredient of plant food. The little value which it possesses is probably due to its action in the soil where it helps to set free more important constituents, particularly potash.

It is important to bear in mind that these indirect fertilizers do not add plant food to the soil, but that their chief value lies in the fact that they liberate plant food from insoluble forms of combination. Hence if crops are not growing on the land to make use of the liberated food, or if the soil has been overstimulated by a large and frequent application of lime, gypsum, or salt, loss of nitrogen potash and phosphoric acid will occur. Consequently these stimulants should be used in moderation. On soil not acid in nature one to one and one-half tons per acre of lime at intervals of five or six years would be a safe application. — Professor A. Harcourt.

The Farm Timber Supply.

There are hills now that have timber of more or less value on them which the owners intend to clear off just as soon as possible. Timber is going to be worth more than it ever has been worth, no matter what kind it is. The United States Forestry Service is doing good work in finding new ways to use lumber of poor quality to better advantage. Lumber that would not have been put in buildings fifteen years ago is gladly used now. Furthermore, the farm must always have its supply of wood for fuel, for posts, poles, etc. If the timbered hills were used to the best advantage, a large proportion of them should have the timber cut off gradually and with discretion. It should be the aim to keep a stand of timber over a large area—not merely in spots. When a tree died, it could be used for whatever it was worth most. When trees were standing too thick, some of them could be cut out; but the cutting should be done in a way that would give a regular supply of timber to be cut from year to year. The trees would tend to keep a layer of rich leaf mold to enrich the land, hold water, provide shade for stock and nesting places for birds. The day is not distant when it will generally be considered favorable to a farm to have many birds about to feed on harmful insects. Birds that are now ignorantly supposed to be enemies to the farmer will in the fight of fuller knowledge be seen to be more friends than enemies. The timbered land will tend to perpetuate springs, since the rains, instead of rushing off down the hillsides, will be caught by the leaf mold and held there till it slowly penetrates to the deeper layers of the land. From these deeper layers it will gradually come forth in springs, which will supply water for stock and maybe to run a hydraulic ram for raising water for use about dwelling and barn.

Pine Woods Mold For Sweet Potatoes.
If your soil is rather heavy for potatoes, try plowing under a heavy cover of half rotted trash from a pine woods, pine straw and rotted stuff. The great market crop of sweet potatoes on the eastern shore of Virginia is largely made with this material. Every pine woods there is raked clean every spring for the sweet potato crop. And they make them, too.
But I know, too, that a crop of crimson clover on the land would do better and be cheaper than the laborious hauling from the woods. But where there is no clover and you want a late crop of sweets, try the woods trash. — W. F. Massey.

Example For the South.
At Hutchinson, Minn., not long ago there was a procession in connection with a dairy convention in a section that went to the bad a few years ago on account of the chinchbug. A Jersey cow headed the procession and wore a silk blanket on which was printed, "I raised the price of land in McLeod County to \$100 per acre." That was a nice jump, and thousands of counties in the South can have as good experiences if the farmers will go at dairying in the way the Minnesota bunch did.

Use Sprightly Breeds.
For the use of the farmer the more sprightly breeds of chickens have something in their favor, since they will travel about more to hunt food and consume more insects.

A Hint About Food.
There is too much salt pork and stringy beef used in the South. More good poultry for home consumption spells better meals and more health.

Feeding with Experience.
Feeders who have had experience with the meal will probably be able to exceed these recommendations, which, however, allow the use of enough meal to greatly improve a corn diet. One round of cottonseed

Trying New Tack.
"Jenkins is parading the fact that he is a woman hater."
"Some girl threw him down?"
"No; he never got far enough along with one for that. That's just the trouble. He has tried all other means of winning their affections, and he only became a woman hater as a last resort."

meal to five of corn furnishes the nutrients in the most desirable proportions for fattening, while one or two of corn are more nearly correct for young growing stock. Of course other feeds are desirable for their influences not attributable to their composition, but it is not often that the adopted standards can be ignored in feeding any animals for profit. — From Texas Agricultural Experiment Station.

Getting Bermuda, Getting Rm of It.
Bermuda seeds very sparingly in our climate, and when pastured there is very little danger of it spreading through the manure. It can be grown from seed, which can be had of the leading seedmen, or it can be more quickly, I think, grown from cuttings of the running streams planted in the spring. It is a hot weather grass and should be planted in the spring only. When it is desired to break up a piece of land shallowly and rake out all that you can, then sow thickly with cowpeas, and there will be little left for it will not stand shading. But when you once have a good pasture of Bermuda, I hardly think that you will want to break it. If you will try it with some bone meal every spring you will have the finest pasture you ever saw for the summer. But even where Bermuda grows rank enough to make a fair crop of hay, I would hesitate about using it for hay, for while it seeds sparingly, it does seed, and in this way it may be scattered to fields where we do not want it. — W. F. Massey.

Don't Be a Soil Robber!
What does it profit a man if he sells \$10,000 worth of produce at, say, \$5,000 profit, and damages his farm \$6,000. Many never think of this.

I do not think that any man has a right to rob his soil of all its fertility any more than he has to rob a friend; for God gave us a fertile land to produce our crop, and should we rob it, what will the future generations do?

When looking over the worn, waste, gullied lands of washed farms of once fertile soil, I stop and wonder, should the owner ever be lucky enough to reach the pearly gates, if St. Peter would not send him back to stop those hollows that he let wash out during his shiftless and unappreciative life upon earth. — J. D. Stodghill, Shelbyville, Ky., in Progressive Farmer.

Money in the Woodlot.
The treatment of the woodlot or of vacant land that ought to be made into a woodlot is a subject to which too little attention is paid, considering the money that there is in it. In traveling over the country one sees an aggregate of thousands of acres of old fields which have lain idle for twenty years, encumbered with scrubs or worthless growths. Had they been intelligently handled they would now be producing merchantable trees. "Oh, well, twenty years is too long to wait, anyway," says Simpson Slack. But, Mr. Slack, you can look ahead ten years, surely. Now when your woodlot is ten years old, you can find a purchaser who will wait the other ten.

Eczema Cured.
J. B. Maxwell, Atlanta, Ga., says: "I suffered agony with a severe case of eczema. Tried six different remedies and was in despair, when a neighbor told me to try Euphrasia's Eczema Cure. After using \$3 worth of your Eczema Cure and soap I am completely cured. I cannot say too much in its praise." EUPHRASIA'S ECZEMA CURE, Dept. A., Savannah, Ga.

The campaign begins when the money begins to rattle in the tin cup.

Port Paragraphs.
You never can tell. Fortune may have it in for you and then again she may be lying in wait for your enemies. Cheer up.
Hunger is an excellent thing to make you change your way of thinking—and sometimes your way of doing.
Women don't have to swear to show how mad they are. There are other ways.

The Wheat Field.
Take a look at the wheat field that has been brought up to perfection, as it stands. Yellow as gold, with the sheen of the sea, billowing from sky-line to sky-line like an ocean of gold, where the wind touches the rippling wave crests with the tread of invisible feet. In California, in Oregon, in Washington, in Dakota, in the Canadian Northwest, you may ride all day on horseback through the wheat fields without a break in the flow of yellow heavy-headed grain. No fence lines. No meadow lands. No shade trees. No knobs and knolls and hills and hollows of grass or black earth through. From dawn till dark, from sunrise in a burst of fiery splendor over the prairie horizon to sundown when the crimson thing hangs like a huge shield of blood in the haze of a heat twilight—you may ride with naught to break the view between you and the horizon but wheat—wheat. It is like the gold fields. It goes to your head. You grow dizzy looking at it. You rub your eyes. Is it a mirage? Billowing yellow waves seem to be breasting the very sky. You look up. The sky is there all right with the black mote of a meadow lark sailing the azure sea. He drops liquid notes of sheer mellow music down on your head, does that meadow lark and that gives you back your perspective, your sense of amazing reality. You are literally, absolutely, really, in the midst of a sea of living gold. It is you and not the lark that is the mote. You begin to feel as if your special mote might be a beam that would get lost in infinity if you staid there long; and so you ride on—and on—and on some more on—and by and bye come out of the league-long, fenceless fields with an odor in your nostrils that isn't exactly like incense—it's too fugitive, too fine, too subliminal of earth. It is aromatic, a sort of attar of roses, the imprisoned fragrance of the billions upon billions of wheat flowers shut up in the glumes of the heavy-headed grain there. And that's the odor of the wheat—from "Harvesting the Wheat," by Agnes C. Laut in The Outlook Magazine for October.

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Fatal.
'Twas the verdict of the neighbors when He'd drawn his final breath That he lived so strenuous a life He'd lived himself to death.

Deafness Cannot Be Cured
by local applications as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflammation of the mucous lining of the Eustachian Tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed Deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever. Nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces. We will give One Hundred Dollars for any case of Deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars free. F. J. CHERRY & CO., Toledo, O., Sold by Druggists, 75c.

Its Main Attraction.
The children who are growing up Will on the past look back And speak about their childhood as The age of crackerjack.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

If things were done twice, all would be wise.—German.

WOMAN'S BACKACHE



The back is the mainspring of woman's organism. It quickly calls attention to trouble by aching. It tells, with other symptoms, such as nervousness, headache, pains in the loins, weight in the lower part of the body, that a woman's feminine organism needs immediate attention.

In such cases the one sure remedy which speedily removes the cause, and restores the feminine organism to a healthy, normal condition is **LYDIA E. PINKHAM'S VEGETABLE COMPOUND**. Mrs. Will Young, of 6 Columbia Ave., Rockland, Me., says: "I was troubled for a long time with dreadful backaches and a pain in my side, and was miserable in every way. I doctored until I was discouraged and thought I would never get well. I read what Lydia E. Pinkham's Vegetable Compound had done for others and decided to try it; after taking three bottles I can truly say that I never felt so well in my life."

FACTS FOR SICK WOMEN.
For thirty years Lydia E. Pinkham's Vegetable Compound, made from roots and herbs, has been the standard remedy for female ills, and has positively cured thousands of women who have been troubled with displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, that bearing-down feeling, flatulency, indigestion, dizziness, or nervous prostration.

It is a bad hen that eats at your house and lays at another's.—Dutch.

HIS SKIN TROUBLES CURED.

First Had Itching Rash—Threatened Later With Blood-Poison in Leg—Relieved on Cuticura Remedies.
"About twelve or fifteen years ago I had a breaking-out, and it itched, and stung so badly that I could not have any peace because of it. Three doctors did not help me. Then I used some Cuticura Soap, Cuticura Ointment, and Cuticura Resolvent and before I had been treated a few days I was cured and I have not been bothered with the itching since, to amount to anything. About two years ago I had a gripe and pneumonia which left me with a pain in my side. Treatment ran it into my leg, which then swelled and began to break out. The doctor was afraid it would turn to blood-poison. I used his medicine but it did no good, then I used the Cuticura Remedies three times and cured the breaking-out on my leg. J. F. Hennen, Milan, Mo., May 13, 1907."

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Wine of Cardui

for womanly pains, dragging feelings, nervousness, and any other form of sickness peculiar to females. Mrs. A. C. Beaver, of Marbleton, Tenn., writes: "I suffered dreadfully, but took Cardui and recommend it to all ladies with female troubles."

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