Since manures are the nourishing

material of plants, and other things

being equal, the higher profit of the

field depend only and alone on the

greater easily extracted quantity of

the same found in the soil; there-

fore, the more accurate knowledge

carbonate of potash or carbonate of

HARRY FARMER'S TALKS.

Harry Farmer wishes to talk a lit-

that there are no large holes for the

Mary Jane (that's my wife's name)

and the hens were not laying much.

other good plan is to tie a bundle of

oats, wheat or rice so they will have

In the Southern part of the State

oats should be sown. Prepare the

land well, for it pays well for the

extra work. I advised a young man

to plow his land twice, once before

sowing and once afterwards. He

said he plowed a part of his land the

year before twice and the crop was

double on the land but never thought

the plowing had anything to do with

sow as many oats as they should.

They are less costly than the corn

crop and when followed by cow pease,

will improve the land faster than

When the inhabitants of the up-

land cotton section of the Atlantic

coast attain sufficient intelligence

and power to suppress the yellow

every - poor man keeps four," that

section may become the centre of

the sheep fed with the nitrogenous

cotton seed meal will renovate the

slave-stricken soils of these States

and will bring them to the maximum

production of food and of cotton and

woollen fibres.-Edward Atkinson.

HARRY FARMER

any grain crop grown.

Columbus Co., N. C.

more than the grain

COMMERCIAL MANURES.

Needed

Correspondence of The Progressive Farmer. In manuring it depends greatly upon the condition of the soil and of this substance, its preparations partly on the crop grown as to what and use, and how it may be procured fertilizer or combination of fertili- on a farm in sufficient quantity and ers to apply. If there is a sufficiency with the least cost, is of the greatest in the soil and in available form of importance to the farmer. the fertilizer applied there will be no The soil cannot produce or build increase of the crop, but if there is a up plants unless it contains the in deficiency in that one element alone, gredients of which such plants are its application in however small a composed. With nitrate of soda, quantity will result in a large gain fine ground phosphate of lime, alkali,

This is one reason of the wide dif- soda, we can now obtain as the basis ference in results in using chemical of operations in the best form, commanures, and also causes waste in plete manures for every culture, quantity applied and consequently made according to any formula and increased cost. Frequently half a containing in readily available and ton is used when much less quantity assimilable form all the ingredients would produce as good, if not better, called for. results. Sometimes a fertilizer is There is no one subject in agriculapplied, which, coming in contact ture which demands at the present with another element in the soil, day more carefully continued and neutralizes it and the fertilizer is widely extended experiments than rendered valueless, and its cost lost the practice of manuring. v ignorance in regard to the action

Soil tests furnish this information cold winds to come in and chill the and every one interested in agricul- cows. Put in some clay in the botture may learn of his own knowledge tom of the stalls and pack it down and under his own eye what his soil hard so that all the manure may be needs and what his crop wants. Until saved. This clay floor will make the farmers know what their soils lack work of cleaning the stalls much and what the effects of the constitu- easier. ents used for their growth separately and combined, a rational system of told me that eggs were a good price

applied, all combine in influencing its something to help make eggs. An-

A chemical analysis gives only ground gives a rapid and healthy it. The more you stir the average that the earth had a sufficient sup- everything. Our farmers do not ply of nitrogen, for the mineral maalkali, potash or soda) manure plants with nitrogenous substances only, planting one with corn and another that phosphate of lime has on cotton, corn, sugar cane, and sorghum, and the alkalies on potatoes and tobacco, is well known; dog, of which it is related that therefore, if the corn or cotton "every poor man keeps two and and has enough phosphate of lime, and if the potatoes flourish the land wool production of the world, while does not lack alkalies.

but a small plot of ground and trying these different crops are sufficient to obtain the indications necessary to a judicious system of culture. The varied yield of these crops compared with that from land manured with nitrrgenous and mineral substances combined will measure the

Raleigh, N. C., November 6, 1900. WHAT HUMUS IS.

It has come lately to the knowl | Correspondence of The Progressive Farmer. edge of many farmers that there is a At this season on the farm there

condition of soil that will help very is such a diversity of life and labor It should become a common word in and feel, if a full crop is garnered, Humus is "decaying and decayed crop, plan to use it to the very best it; green crops plowed under form most good. it; clover roots when decaying in the With hay all harvested, ground returns to mother earth takes the gathered in and most of it marketed, form that is called humus, and adds we turn our attention to the fattentwo things to help coming crops. ing hog and the milk cow, and some Heretofore most of us thought that of us think our cows worthy of at it did only one thing, add fertility to least as good fare as we accord to the the soil. We all know that manure fattening hogs, and turn them on the makes the land richer, as we say, but peas, etc., as soon as we turn the hogs they are comparatively few who un- in. derstand that not only does humus The sweet potato crop is perhaps make the land richer, but it also the cheapest crop the farmer can preserves soil moisture under the raise for hogs in Eastern North Caroinfluence of hot winds and scorching lina. As potato digging is in progress, suns. Humus is one of nature's a plan new to many may be successmethods for storing up and holding fully tried. Cut off the vines and it. Our clay subsoil will store up with a good sized two-horse plow water, but when the south winds throw the potatoes out at one furrow blow and the hot suns burn it begins and thus avoid cutting and bruising to give up water by the ton, and it is the tubers. This plan is quicker and carried away from the crop that easier as well as safer. stands so much in need of it. But when humus takes up water, as it tions sweet potatoes are scarce, but can in large quantities, it holds it where we cultivate flat and have land locked fast, in spite of sun and wind. well fertilized in spring the crop has When the roots of growing grain done well, and the potato harvest is take hold of this humus to feed good upon its fertility, they also find in We lack one thing here in Eastern it the water; it supplies drink as North Carolina, and that is a crop well as victuals. The moisture of of late apples for winter use, our the soil may have been largely evap- orchards having failed almost enorated, but wherever the roots find tirely this year. But our mountain humus they find food and water friends have dried many and we will needed to dissolve it. Humus is the enjoy them and be thankful. cheap means that can and will prevent the losses of what otherwise

IRISH POTATOES IN VALLEY FARMS.

would be disastrous drouths.

Correspondence of The Progressive Farmer. The new land in the University fruit farm was used for an experiment with Irish potatoes, the tubers being planted between the orchard rows, parallel to the slope of the land. The ground was cleared in March. The trees were planted in early April, after which the land was plowed and thoroughly disked and all the larger roots were removed. The potatoes were planted at three different dates, June 1, June 26, and July 27, the last planting being of tubers grown this year. Despite the drought of August and September, the soil was fresh below the surface mulch, which was maintained by frequent use of the horse hoe, the rows being hilled with hand hoes after the third cultivation.

The plants from the first two sowings came weak, and the very hot, dry summer was unfavorable. The third planting came stronger, but the dry heat prevented vigorous growth, so that in all three plantings few tubers were formed, and

these were uniformly small. The crop is practically a failure, but the lesson of the experiment is a crops in the heat of our long dry summers. In valley farms the potatoes must be planted early, so that its principal growth will be made before August, when the summer drought usually sets in. There are exceptional years, when summer rains are seasonable, in which late planted potatoes are successful. In the high mountain valleys, where summer heat is less intense and showers more frequent, late planted potatoes should yield good returns. CHARLES A. KEFFER.

Knox Co., Tenn.

A conservative estimate of Florida's orange crop this year places the yield at one million boxes. The groves are in healthy condition and antry and partnership in crops, a Ranch. at this season the fruit is begin- system of farm book-keeping, an acing to be marketed. Before the quaintance with the market prices of freeze in 1895, when the yield was products, avoidance of waste of time, Do you think a church would in- five million boxes, they sold at 50 material and energy, avoidance of crease its membership if no meetings cents, but this year the average price debt and persistent industry.-Exwere held that outsiders could attend. per box is \$2.

materially in resisting drouth, and that one can hardly become tired, as this is a point that it is proposed to change produces rest, and work is discuss, says Farm and Home. First constantly changing. As we shout we must learn to realize the word "Harvest Home," and drive the last 'humus' and to know what it means. load of corn to the barn we rejoice, agricultural reading and speaking. that our bread is sure; and if a short vegetable matter." Manure makes advantage and where it will do the graded stock of any kind he is pretty soil create it; every plant when it peas shocked and curing, cotton

AUTUMN FARM LIFE.

It has been so dry that in some sec-

The crops generally harvested, fall oats sown, plats prepared for early cabbage, cows, hogs and chickens all happy, we pause and look around us, retrospect and prospect. The long evenings have come, and we feel so glad that "God setteth the solitary in families," (Psalm 68:6) and we gather us around the open fire place, and feed the part of our nature that is above the elements raised on the farm though not entirely independ ent of them. These long evenings enable us to cultivate the mind, and the more we have in our homes of the best periodicals of the day, the better will our children be up on the general topics of the day, and the more will they be benefitted by the

text books in school. What a pleasure it affords us to help the children with their difficult exercises, or point them to some book that will enable them to find out what they wish to know. I feel sorry for that child whose parents or elder brothers and sisters pretend to be too busy to answer the child's questions and to help it to an understanding of the things that to the child seem so dark and difficult.

Then with lessons learned—and we all have some to learn every day-we can enjoy the merry happy song more pleasant.

bearing the crosses of life.

Success to The Progressive Farmer. D. LANE.

Craven Co., N. C.

demands abandonment of negro ten Gov. W. J. Northen, Ga.

THE SILO-SOILING CROPS IN DRY SEA-

Correspondence of The Progressive Farmer. The provisions made against dry

summers and falls such as the season just passed presented depend a good deal upon the farmer and the character of live stock he has. A man with scub cows and run-down sheep or swine will not exert himself much to prepare ahead of time for emergencies. But if one owns pure bred or sure to make provision against drought. If one does not intend to supply the animals with good food other than what grows naturally in to three and one-half pounds each. the grass field, the scrub cows, sheep | English buyers object to black legged and swine are the best for his purpose. They can hustle for a living better than the pure bred or graded animals. But most intelligent farmers today make a pretence at least to ens during the first week. Feed keep good stock, and they cannot afford to run the risk of carrying any feed left in trough half an hour them over a dry season with scarcely nothing in the way of green, succulent food to feed on. Never was the better demonstrated in many locali- day. ties than this season. They have saved many a dairyman and stockman losses that would have turned the balances on their ledger on the wrong side.

Last year there was drought enough to convince many farmers that the silo was essential for cor- a day. rect summer feeding. By raising corn for the silo they made provision week. Sifted gravel will do. against any accident to the summer summer or winter, through any kind pound to 50 or 70 chickens. of weather. Consequently more silos 11. To prepare tallow. Weigh enough to make up any deficiency in sixth with the evening feed. can get green grass and fodder corn, ens to kill the lice. but they much prefer it to the poor | 13. Do not feed with the cram-

put up with in midsummer. The natural accompaniment of the 14. Do not feed a fowl by machine silo for summer feeding is a good until its crop is quite empty. soiling crop. With these two propbe planted early in the spring for a weight per week. soiling crop, and when dry weather comes there will be food in abund- practically ten pounds. ance. The cows then instead of 18. To record feed consumed per health! And yet the extra labor and comparatively small profits.

W. E. FARMER.

We believe more attention should which cheers the household. How be paid to our native pasture grasses pleasant to gather around the organ, in the Southwest, and that, instead guitar, violin or any other musical of plowing and harrowing, buying valuable one, namely: that it is use instrument and spend an hour in seed and planting, and often waiting less to attempt to grow cool weather song that cheers the heart, revives two or more years for a pasture, we the body, and fills the soul with rap should give the native grasses a ture! One gets a better night's rest chance. We know of cases where a after an hour so spent, the children thorough scarification of the soil in retire with more cheerfulness and February has without any other their dreams, if they have them, are effort doubled the crop of grass. The fact that the native grasses have If we expect a harp and a crown in taken and held possession against all our home above, it is a duty devolv- comers shows that they are adapted ing upon us in our temporal homes to the conditions, which may or may to learn to use the harp and to wear not be the case with other grasses. the crown with that dignity that Disking and cross-disking is about comes by patiently and faithfully the thing needed to give these grasses a new lease of life, and in many cases it is necessary to their preservation. Those who try this process, we believe, will be surprised at the vigor of the new growth that will spring Success in farming in the South up after this treatment and after the first warm spring rains.-Farm and

> The farmer with the richest soil is not the one who comes out best at the end of the season. It is generally the man who has paid the most attention to business.-Ex.

The Poultry Yard.

PREPARING POULTRY FOR MARKET.

Prof. Jas. W. Robertson, Canadian Commissioner of Agriculture, has issued a bulletin, "Pointers for Poultry Fatteners," which contains practical information for farmers and poultrymen desirous of fattening for market. It says:

1. Plymouth Rock, Wyandotte, Dorking, Cochin, Brahma or Indian Game chickens, or crosses of these, are more easily fattened than chickens of lighter breeds. They should be put up at from two and one-half poultry.

2. The most profitable period for fattening is about for weeks.

3. Be careful not to overfeed chicklightly three times a day. Remove after feeding. Keep the trough clean and sweet.

4. After first week give chickens value of the silo and soiling crops all they will eat regularly twice a

5. The oats must be ground very fine. Oats ground as for horse feed are not suitable.

6. Feeding skim milk whitens the flesh, which is desirable.

7. Put a little salt in the feed. 8. Give water in the trough twice

9. Give some form of grit twice a

10. Feed tallow during last ten crops, and enabled them to carry days. Begin on one pound per day their animals along successfully, to 70 or 100 chickens, increased to 1

were probably filled this year than quantity required for three days, ever before. Silos built large enough melt it. and thicken while hot with will not only carry the cattle though ground oats. Mix one sixth of this winter, but they will have surplus paste with the morning and one-

the summer crop. Of course cattle 12. Rub a pinch of sulphur under do not take to ensilage when they both the wings and tail of the chick-

pasture that many animals have to ming machine longer than two weeks.

15. Remove foot from pedal of erly raised the stock raiser or dairy. crammer before fowl is pulled away. man is entirely independent of the 16. Keep a record of ground oats, weather, and a drought does not and of skim milk fed to fowls per affect him at all. Fodder corn can week, and also their grain in live

17. One gallon of milk weighs

hustling for a living in bare pasture week: Weigh each new bag of meal fields can eat good meals in the cool, before commencing to feed from it, quiet, shady parts of the fields or and place the weight in a book. At barn vard. What a difference this the end of the week, add together the makes in their milk and butter pro- weights of bags of meal fed, and also duction, and also in their general weight of meal taken from last bag.

19. To obtain record of gain in live cost required to do this is insignifi- weight of fowls: Weigh each crate cant. It is something that a dairy- empty and mark the weight upon it; man must do if he would make money | weigh crate when fowls are placed in in these days of competition and it, and again on each succeeding week, at same time of day and before feeding. To prevent any injury to the toes of the chickens between the slats and the scales, place two or three thicknesses of bags on the

20. If a chicken gets off its feed, remove it from fattening pen for a few days, allowing it free run.

21. Do not allow fowls any food thirty-six hours before killing.

22. Kill chickens by dislocating the neck, or by bleeding in the roof of the mouth. Use care so that no outside blemish is made.

23. Dry pluck at once, while the fowl is warm. Pluck clean, leaving only a ring of feathers an inch and one-half around the neck.

24. As soon as plucked, place chicken on shaping board to give it a

compact, square shape. 25. When cool, wrap in clean paper, and pack tightly in shipping case to prevent injury from knock-

26. See that fowls, paper and cases are kept perfectly clean.

Several new advertisements of improved stock for sale appear this week. Our advertising columns are for the benefit of all who wish to buy or sell, and no reader gets the full value of The Progressive Farmer any week until he has carefully examined them.

Agriculture.

in the crop.

of the chemicals. Farmers who are interested in growing crops cheaply and success- Correspondence of The Progressive Farmer. fully (and what farmer is not?) should apply soil tests to their land, that the on farm topics and hopes to help they may know what their soil needs | his fellows in the same calling. He most, and, with proper application, will try to mention some things that what crops would be most profitable | need to be done and some that should to grow on the soil. Soil tests will not be done as he travels over the show that some lands not now favor- farm throughout the year. able to large crops of corn can be Now Harry Farmer likes stock and made so at a trifling expense; and poultry and wants to see them comthe same in regard to wheat, the land fortable in the winter. So he must can be made to produce a larger crop look about the barn and see if the and more profitable if it is known stables are in good condition. See

what the soil lacks.

manuring is impossible. A soil cannot be cultivated under- I noticed that there were a great standingly until it has been rigidly many feathers scattered around unsubjected to such examination as will der the houses; that nearly always tell us, as nearly as any examination stops the hens from laying. Hens can tell it, what is necessary to ren- sometimes will get too many sweet der it fertile. The mode of cultiva- potatoes; this does not help egg protion, the salts already contained in duction. Scatter some oats in the the earth, but especially the period, potato patch when you go to dig and mode and form in which a manure is in a few weeks your hens will have

what the soil contains at the moment to jump up to get it and in a short of examination and not the quantity/ time you will find a nest of eggs. It in which these constituents may be is the exercise which does the work available to the plant during growth but if it is desired to know whether a soil is already provided with nitrogenous matter, it is sufficient to sow handful of wheat upon a small square of ground which has been manured with mineral substances only. Without the aid of nitrogenous matter the mineral matter has scarcely any effect upon wheat. Therefore, if the small square of vegetation and a good crop, it shows land the greater will be your crop of nures contain no nitrogen. On the other hand, to ascertain whether soil ontains a sufficiency of the mineral manure (phosphate of lime and an with potatoes. The great influence dourishes we may be sure that the

Thus two experiments requiring cow pea vine and the fat-producing richness of the soil.