RALEIGH, N. C., MAY 12, 1896.

No. 14

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Progressive Farmer, State Organ, Raleigh, N. C Caucasian, Our Home, The Populist, The People's Paper, The Vestibule.

Hickory, N. Beaver Dam, Lumberton, N Charlotte, N Concord, N. Wadesboro, N. Sa intituty, A.

Each of the above-named papers are requested to keep the list standing on the Arst page and add others, provided they are duly elected. Any paper failing to advocate the Ocala platform will be dropped from the list promptly. Our people can now see what papers are ublished in their interest.

AGRICULTURE.

The cardinal essentials of spraying are to begin early, act promptly, apply thoroughly mixtures carefully prepared.

good. But you can't make any hay unless you have land that will bring grass or clover to make it, and this will r quire some efforts on your part.

In China ten acres is a monster farm Large holdings are sometimes handed down through many generations intact, to that several hundred people hold it in common, so great is their reverence for their ancestry.

As the twig is bent, the tree inclines. If there are twigs around the garden that keep the rays of the sun away from it they had better be bent off en entirely so as to cast no shade. Shade trees have no business around the garden.

For best results in garden cultiva tion, it will be well to have the ground dry and free from trash when it is plowed Charse manure will be an abomination to the one who has to cul tivate the garden. Nothing but well rotted manure should be used.

There is such a thing as so running a farm that it and its outfit depreciate in value with each succeeding year that a crop is taken from it. No method will pay in the long run unless so con ducted that there is a constant addition to the value and productiveness of the

Sell when ready. It never behooves us to work ourselves up to a point where we think an animal will bring more money by keeping it awhile. The feed, time and care given to other stock will make up the difference. At a later date we are apt to take a less price than we were formerly offered.

One-sixth of an acre of good land near the house, if well taken care of and properly planted with the most prolific varieties of strawberries, raspberries, blackberries, gooseberries, currants and grapes, would afford a plentiful supply for a family of six or eight the whole year. Fifty apple trees, six crab, six cherry and six plum trees would complete the fruit plantation.

BUILDING A SILO.

Mr. R. W. Blanchard, Woodland, N. C, asks us to give him some information about building siles. Prof. F. E Emery, of the N. C. Experiment Sta | the wood work to make air tight every | Ky. One of these years was a wet sea subject in the Biblical Recorder. As smooth interior. Prof. Emery is well acquainted with

are simple, durable and cheap. O e to lengthen the life of the silo. earth, the top of which was sealed up to make the whole air tight. mehes (six or eight) of earth.

There are some siles in North Caro | torough treads on each end." can be put in contact with the cartic cows six months and allow 20 per cent | and two experiments showed small in | one last three days of the week were sides. A untable instance may be seen | for shrinkeg and less. too slow and costs too much.

'The modern sile is built above the with the corners cut off, making it to ward the shape of an octagon, but really taking off much less of the corners. This does very well, but the circle preserves the contents better. A circular silo may be built according to the place detailed by cuts and minute directions in the North Carolina Experiment Station Bulletin 80. These silos are built of 2:4 inch studding set on a circular foundation and boarded up 'round and round with half-inch fencing. At A & M. College and O: coheechee Firm there may be seen siles built of stay s exactly like a straight sided tank with an earthen or cement bottom.

To build a silo first select a site which will be easy to reach with the wagons and from which the farm stock can be easily fed. Make a frost proof founda and raise it just enough above the level of the earth so the drip from the roof will not spatter the wood work. To get the circle and level it when doing the mason work, set up a stake in the plat where the middle of the silo is to be, and at the height the wall is de-"Make hay while the sun shines," is sired. With a garden line and stick scribe a circle on the ground, using a length of the line for a radius equal to half the diameter desired for the sile, add to this the thickness of the foundation wall, and scribe a second circle. Outside of the outer circle and five or ity. six feet from it set six or more stakes and saw off or drive down level with that at the center. Nail straight edge boards from stake to stake on the outside and level with the tops of the stakes. A mason's level-board or a stretched line with one end on the center post and the other end on the circle of boards level with the foundation.

"Cut 2x8 or 2x10 inch plank two inches thick into about two feet lengths, but cut so they will join together well on the top of the wall and nail down to fertilize. the cemented foundation with twenty penny nails. Cut a second lot of the same plank and fit over the first to ably supply the proper nourishment. break joints with them. Now set up the 2.4 studding at the outer edge of the sill just put on. Then brace and least two better ones? begin boarding up by cutting the first board from full width at one end to a height is reached. Do the same on the inside, then put paper round the inside, and put on the second inside course of boards. All the boards should have boen dressed to even thickness. The outside may have been covered with feed upon, cuts the Gordian knot by German siding. Put on plate as for sills, and put on roof. A door must be left at the bottom, and other doors so they will grow any crop. above and aside from the first from which to feed the silage. A door in some convenient part of the roof above the plate serves for use in filling the silo. All the doors may be double the width of the space between two studs, the middle may be cut out. The doors

tion into the silo, but all shall be plain an abundance overbalances the profit and smooth

Lay a mout floor and plaster over with comenia which practer should be

"Leave a narrow space under the gredients, as well as the results. the subject, we give it in full. He says: plate on the outs' de for air to pass out. farms.' There are saveral ways that passing up between the walls will tend | 24 per cent.

simply a hole in the ground. The word edge of the foundation, so the plastered two experiments showed small increase | Cotton has not come up quite as well silo comes from the Egyptian siro, and | wall forms a straight line down with | in yield of crop and two small decrease. | as hoped for, but the good seasons at it is said in Egpyt that wheat used to the staves Then cement is banked up | Financial 1 as of 91 per cent., nearly the end of the week will improve the be stored in a jug shaped cavity in the | on the outside at the foot of the staves | the whole cost of fertilizers.

the grain from weavils. The Germans | tend from hoop to hoop and consist of | each year showed large increase in | have sprouted well. Transplanting to used to preserve sugar beet tops by four or five staves sawed the right crop. Financial profit of 93 per cent. bacco commenced to be pushed in a scooping out a place on which to pile lengths and cleated together. The Here, as in the first case, the profit was few counties the last of the week, which the tops, and then cover with a few boops are broad and long iron bands cut down by the high cost of the nitro | indicates advanced growth of plants which are drawn up tight by bolts gen.

and which is boarded a hulle above the [30 pounds per cubic foot, and feeding [less than I per cost. urface and roofed over. The silage 40 pounds per cow per day, to last six

at Coverdale Stock and Dairy Farm, This allowance of 20 percent leabout vield, and one small decrease in crop. To prevent any sectors damage which near R leigh, where, for a number of the average loss in curing by drying [Fin metal 1 s. 81 per cent. years, this form of a lo has been in or ensiting. If the sile keep specially | On plot where prospheric acid alone | seems to have been really very little regular use. There is only one serious | well, there should be some silage to | was used, one experiment showed small | damage by dry weather, but every bjection to there exercised siles; the spare, rather than to fall short when increase in crop, three small decreases, thing was greatly benefited by rains hard labor of lifting out the slage is | the slo of the above dimen-ions is well | Binacout lo s of 100 per cent. filled.

> Grooming is but see indury to diet Health is procured by keeping the per s of the skin open, and this can only be done by the use of the carry comb and the brush, for these remove the dead epiderms thrown off on the form of pelicleis. In addition, do not be airaid to use soap and water occa-

PROFIT AND LOSS IN FERTILIZ ING.

Let us look more carefully into the practical working of fertilizing.

Sea ntists get hold of a great number of facts and then carefully study and correllate in order to establish any law in nature. He would be a very useful, not to say wise, man, who would collect enough facts to give us a few laws that would guide us unerringly in fertil z ng our farms.

Suppose one could buy and apply. say \$100 worth of fertilizer and reap at harvest \$150 more than he would have done had he used no fertilizer! This would be 50 per cent, on his invest-

This has been done. If laws could be established by which 30 per cent, could usually be realized by fertilizing, farming would be far more profitable than it now is. I believe this to be possible; at least, until our farming lands had been brought to a high degree of fertil

The trouble is, one has bought \$100 worth of fertilizer and reaped only \$50 more than he would have done had he bought no fertilizer. He has lost 50

No paper could give space for all the facts, but after reading, study, observation and experiments extending through several years, I venture to

Law No. 1. One must know what his land lacks in plant food to profitably

Law No. 2. One must know what a plant feeds upon before he can profit-

These two things being known; then, half inch at the other and begin at the | to apply to different plants, on differnarrow end and nail to a stud; spring ent soils and under different circumto the next and nail, and so continue stances is a field for unlimited study, grees per day above the normal. Fine

hope to reach perfection in this field

man show their error and give us at

make a large book. what his land lacks, nor what his plants

buying all three of the essential ingredients and with them enriching his lands

learned that of the many things plants feed upon only three were essential in a fertilizer, and what these three essen tials were! But he has neither cut nor and for the height of each the stud in manner of fertilizing has already been Corn about planted, except on bottom shown to be unprofitable on most soils. should be made of the same material This is because most soils do not lack and growing rapidly; but little was and just as thick as the inside boarding, all the essential ingredients, and the prevented from coming up by previous

I take four different experiments nuts will be general during the next which were run through three years at spread up overthe f adation wall to our Agricultural Station at Lexington, tion, recently had an article on this possible crevice and leave a tight, son and the other two dry. Notice the have sprouted nicely and a few have different combinations of the three in | been set out. Large shipments of ber-

Where all three of the essential in "We have been asked to give direc | and open a space at the bottom by | gredients were used, there was an intions for building asile for use on small | loosening the lower strip around. Air | crease of yield and a financial profit of

when filed with grain in order to save "The doors of the stave silo may ex | were used, all four of the experiments | rye has rusted some. Sweet potatoes

fina which have been made by an ex A circular silo 10 feet in diameter and and pota h were used, there was some corn, and insects on tobacco, but the cavation (round or square) in the earth | 22 feet deep will hold enough siluge at | increase in crop. Financial profit of | rainy weather will diminish these posts

crease in crup, one showed the same just what was needed and came in time

Where posses alone was used all four | places, but many formers have not yet of the experiments showed very large | fi sished planting cotton. Corn plantcrease in crop, and a financial profi of 179 S per cent.

the station because of greater accuracy, and hence more reliability. These ex the most profitable. These experiments | plants are plentiful, but setting out has farmers. But these experiments are not a safe universal guide.

They were made on the lower silurian (Trenton limestone) formation. Experiments made on the subcarboniferous formation showed very different results. They indicated that phospheric acid was the ingredient most needed on that formation.

Again these experiments were made with corn. They would not give same results for other crops

Nevertheless, many of the experimental stations are insisting upon the benefits of potash on worn lands Crop ping has exhausted the potash. Listly he who farms on the Trenton limestone fermation will not be apt to regret giv ing his worn land a coat of about 200 plunds of muriate of potash to the acre, every three or four years. - J. W. Harris, in Home and Farm.

No farmer can afford not to have good walks about his premises from he house to the barn and to other out buildings. The cost will be but a trifle when compared with a ruffled temper in a muddy time. Life on the farm is much as the farmer makes it. If he wents to trot around in the mud, he will have no walks. Look about you, and see how many have them and how many need them.

WEEKLY WEATHER CROP BUL-LETIN

For the Week Ending Saturday, May 2, 1896. CENTRAL OFFICE, Raleigh, N. C.

The reports of correspondents of the Weekly Weather Crop Bulletin, issued by the North Carolina State Weather Service, for the week ending Saturday, If these are not laws, will a wiser May 2d, 1896, indicate very favorable conditions, both for work and growth of crops. Cool nights the first few days of the week brought the mean temperawhen and how, and how muc's fertilizer | ture slightly below the normal, but the last five days were warm, bringing the average for the week about four de round and round until the proper thought and experiment. No one need seasons occurred nearly everywhere on May 1st and 2nd, the largest amounts What most of us don't know here would exceeding an inch along the central portion of the State. The general pros But some novice who does not know | pects are now very favorable indeed, and farmers are working spirits.

EASTERN DISTRICT. - Reports are nearly all quite favorable for this district; very few places did not share in Well, he learned much when he and 2d, and the conditions have been fine, both for farm work and for growbut approaching completion; much has come up with promising stand and untied the knot. For, as a fact, this looks vigorous; some being chopped. land; stand fair, with fine green color so when shut there shall be no project money paid for those we already have drought; some little damage by cut the impression that it was a silver one. new subscriber this week.

worms reported. Setting out tobacco derived from the one or two we lacked. plants progressing, and planting peatwo weeks. Garlens, wheat and oats have improved; Irish potatoes look fresh and promising; sweet potatoes ries and peas to the North.

CENTRAL DISTRICE, - Quite heavy rains cocurred in a few central coun ties, washing lands to some extent; in the pigs than milk. A vigorous digesothers the weather continues too dry. On the plots where nitrogen and phos- Planting late corn is going on vigorousfellowing the originals very closely is | 'The tank sile is set on the inner | phoric acid in combination were used | ly; corn is quite large for the season stand. Wheat looks well but is head On plots where nitrogen and potash ing low; spring cats have improved; Many reports still received of damage On the plots where phospheric acid by potato bugs, bud and cut worms to

> WESTERN DISTRICT -Showers which On place where nitrogen alone was occurred throughout the district on had been threatened by drought. There Cotton is up with good stand in some ing is generally about finished, except late corn, and where up is looking well. These experiments were taken from | Those who have not finished planting are rapidly getting the seed in the ground. All small grain is reported in periments show that potash alone is good condition as a rule. Tobacco agree with some I have known tried by | not begun get. Farmers well advanced with work.

The procession is passing on the farm as it is elsewhere in life, and we are either keeping up with it or falling be hind. Old timers are pursuing the one who seeks a position there.

-UNITED STATES DEPARTMENT OF AGRICULTURE.

OFFICE OF THE SICRETATY, Washington, D. C., May 3 1896.

Correspondence of the Progressive Farmer. Tais Department having learned that r quests have been made upon com tion.

for this distribution carefully tested, threshed is about the only reason which and it is obviously improper for anyone | can be urged in favor of threshing the to represent as government seed any | crop in many cases. There are horses seed not thus inspected, tested, and | which do not properly masticate oats, paid for by this Department.

postage through the mails except that hay or stover, it will be better eaten. delivered upon the order of members | Young animals pretty thoroughly masof Congress by the Department of Ag riculture or sent out direct from this found sufficient gain from grindin: to Department. The act of March 3, 1875, repay the cost of the work. This does confines the franking of seeds by mem- not apply to pigs, however. It is betbers of Congress to those seeds which | ter to have oats ground if to be led to they receive for distribution from the Department of Agriculture.

CHAS. W. DABNEY, JR, Acting Sacretary.

Clover and corn form a simple cattle food combination that is hard to beat for producing milk or butter of good flavor and color. Good clover hay and value of corn, reasonably used, as a corn meal will produce excellent milk, food for even young animals, than and so will clover hay and corn ensilage. the beneficial showers of May 1st and There are some farmers who believe freely in present conditions. It would that first class clover hay and sweet ensilage, with plenty of corn in it, make ing crops. Cotton planting continues, a perfect butter ration, and that one will not receive enough more milk or butter by adding other grain, to pay for the extra cost.

> Haverly-What was all that dis turbance at old Marital's golden wedding? Austin-It was caused by a Colorado man who had come under

LIVE STOCK.

VERY PROFITABLE COMBINA-TION.

There is great profit in a wise comdivation of the swine and cows. There s much waste of milk which cannot be used on the farm in any other way. The muk adds variety to the food of the bogs and tends to afford a balanced ration. No food is more p datable to tion is promoted and a disposition to take on flesh is extended. For shoats the sour milk is especially appropriate. In the estimation of some practical feeders, whose conclusions are to be respected, the acid in the sour milk is good for the older pigs-those more than four -onths old-is particularly valuable and equivalent to using cooked food in many instances .-Western Rural.

AN INTELLIGENT HORSE.

The horse which Dr. Goodell, of salem, Mass., drives is a very intellicent animal, and a few days ago saved his owner a near sum for repairs, says he News of that city.

The borse was standing in front of a Correster street house, the doctor making a call, when a rana way came dashing down the street on the side where the duct is team was standing. A collision was imminent, and spectators expected to see a grand smash up, but the doctor's herse fooled them. He, soo, foresaw the danger and sprang up on the sidewalk, dragging the buggy after him. As soon as the runaway had passed, the intelligent animal backed out into the street again and stood there as complacently as if he had done nothing to be proud of.

FEEDING OATS TO FARM STOCK.

Outs has been long recognized as one

of the very best grains for most classes

of farm animals. This is especially

true of horses and young stock of all

kinds, unless it be pigs. The weight of evidence of many careful feeding experiments is against the profitableness same methods their fathers did, and of feeding oats to young pigs except as others are finding new ones to save a small part of their ration. One year time and money. Modern and improved | with another oats are relatively higher methods keep one well at the front of | in price than is corn in most parts of the procession. It requires no effort the United States. It is not alone a to fail back, but to keep well to the comparison of the price per bushel, but front does take exertion on the part of of the relative weight of a bushel of oats and one of corn that must be made. This year, however, with the largest crop of oats ever grown in this country, the price is exceptionally low, lower than for many years. There is no reason why farmers should not feed oats freely at present prices, except in localities in which the crop was a failure or very poor. How then to feed is mercial seedsmen for seed put up in a question about which there is much papers similar to those used by the difference of opinion. For horses and government and printed in simulation | colts, calves, sheep and lambs the thereof, it appears proper to notify all writer would feed grain unground. seedsmen, so far as may be possible, For cows, steers and hogs it is an adthat the Department of Agriculture vantage to grind it. Good oat straw cannot permit the government seed is a valuable food, and if the feeding is contractors or any seedsmen to sell carefully done there is much to comseed in packets bearing the name of | mend the plan of feeding sheaf oats. If the Department of Agriculture or any large quantities are fed at once much words which might cause the receiver of the straw will be left unesten. of the package to believe that it was a | Where there are convenient facilities part of the government seed distribu | for cutting the sheaf oats, a large percentage of straw can be utilized by so This Department is taking great doing. The greater danger of injury pains to have all the seed supplied it by rats and mice if the oats are left unbut these are rather exceptional cases. No seed can be distributed free of If the grain is mixed with cut straw. ticate their food and the writer has not hogs of any age. In many cases a mixture of oats and corn will be better than either grain fed alone. The younger the stock the larger may be the proportion of oats. Many insist that oats alone are much better than any mixture of corn as food for colts. The writer has a higher appreciation of the have many feeders, but he uses oats be a consumation much to be rejoiced over if the present low prices for oats would lead to the much larger use of this grain as food for the human animal. Its use for this purpose has greatly increased within the last quarter of a century, but it may wisely become more general.

Let every old subscriber send us one