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No. 21

Vol. 11.

THE NATIONAL FARMERS' ALL! ANCE AND INDUSTRIAL

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TO PREVENT THE DEPREDA-

TIONS OF CROWS. Jorrespondence of the Progressive Farmer.

stakes about 6 feet high on opposite sides of the patch. Then make strings by placing two or three white cotton threads together. Then pass the strings from the various stakes and fasten them to the stakes. The strings when placed should be over the vines. The strings need not cross a patch of ordi nary size more than three or four times. Simple as this plan is, the crows will Localities," Bulletin No. 19, of the immediately after cease to visit the patch, even where they have been depredating.

It is a great temptation to cut somgrass to feed either green or partly dried to the horses that have to work hard every day on the farm. It should be resisted, for grass will surely induce derangement in the digestive organs, which will make the horses too weak to do effective work. After the plowing is finished many farmers think the hardest work is over, but a horse cultivating all day will need good dry hay and grain no less than when plowing. The step is quicker in cultivating than in plowing, and requires quite as much muscular exertion to keep at it all day.

------POTATO TOPS INDICATING THE CROP.

It is not a d fficult matter for anyone skilled in potato growing to guess the outcome of the crop at a very early stage of growth by the appearance of the tops. If they are not more than the greatest degree of success in the three or four in number, and of vigor- spinning and weaving of cotton fabrics

MALEIGH, N. C., JUNE 30, 1896.

on cooked as which the old-fashioned ducing Seeds; S.me Additions to c cer or the newer Snowflake. It is Vegetable Dietary: Hemp Culture a Get that most of the very great yield Drive up any convenient number of ers have proportionately large tops, and to the maintenance of due proporgood quality of the tubers is mainly due.

THE INDUSTRIAL AND THE STIONAL INTERESTS OF OUR PEOPLE PARAMOUNT TO ALL OTHER CON.

NATURAL HUMIDITY OF COTTON SPINNING REGIONS.

A 'Report on the Relative Humidity f Southern New England and Other Weather Bureau, has just been issued, which is a discussion of the subject with special reference to its effect upon cotton spinning Tae subject is treated under the following heads: The sources, evaporation and condensation, and distribution of aqueous vapor; observing stations; accuracy of observations definition of and general remarks on relative humidity; relative humidity of New England group, of New England compared to Mobile, of New Eng land, and Mobile compared with Pied mont Plateau, of northern central New York, extreme monthly, diurnal, and accidental variations of humidity; in fluence on winds on humidity ; individual cases of low relative humidity comparison of same inside and outside of building; climatic is fluences affect ing manufacture of cotton; climate of of Lanchire and India.

The bulletin is illustrated by 9 tables and 3 graphical plates.

The Weather Bareau, recognizing that one of the conditions essential to

Rain is somewhat needed in portions of Pender, Craven and Columbus counties. Canadian Field Peas: Irrigation for the Some local damage by hail storms oc Garden and Greenhouse; The Malth curred on the night of the 13.h in Nash of Plants in Greenhouses; Princip is of and Wilson, and on the 18th in Pitt tion between the top and the root this Pruning and Care of Wounds in Woody county. Except the first three days. Plants; The Pineapple Industry in the | which were too cool, the weather was United States; Small Fruit Culture for | favorable, with showers here and there Market; The Cause and Prevention of on almost every day of the week. Corn Pear Blight; Grass Gardens; Forage is growing well; much has been laid perience as a strawberry specialist. Conditions of the Prairie Region; by; chinch bugs doing but little dam Grasses of Salt Marshes; The Relation age in this section. Cotton has im of Forests to Farms; Tree Planting in proved, except in the north, and is the Western Plains; The Shade-Tree blooming in many places; there is Insect Problem in the Eastern United much complaint of lice. Tobacco is States; The Principal Insect Enemies | being topped and some farmers expect of the Graps; Four Common Birds of to begin curing in two weeks. Sweet the Farm and Garden; The Meadow potatoes doing well; Irish potatoes Lark and Baltimore Oriole; Inefficiency | nearly all shipped; watermelons grow of Milk Separators in Removing Bac growing nicely. teria; Butter Substitutes; The Manu CENTRAL DISTRICT -Showery weather facture and Consumption of Cheese; interfered considerably this week with Climate, S il Charac eristics, and Irricultivation of crops, harvesting and gation Methods of California; Co opera cutting hay, and in consequence over tive Road Construction; A Pioneer in considerable portions of the district farm work is behind and crops in grass,

Agricultural Science; Work of the Do partment of Agriculture as Iliustrated at the Atlante Exposition.

Besides "Organization of the Department of Agriculture, the appendix con tains tabular and statistical matter on the following subjects:

limited areas by hail on the night of Statistics of the principal crops; Exthe 13:h in Wake (near Wake Forest) ports of the products of domestic agri and in Randolph (dear Sospetone culture for the years ended June 30. Moune). Cotton is all right, except in 1891, to 1895; S irveyors' m asure; Imfew places on light lands, where it is ports of agricultural products for the red and poor; much complaint of lice years ended June 30, 1891, to 1895; Tocotton is blooming in south. Corn gental values of exports of domestic mer erally very fine, but considerable dam chandise since 1890; Exports of raw age by chinch bugs. Housing wheat cotton from the United States since and some thrashing going on. Oats 1890; Production of certain fruits and being cut and peas planted on stubble

HORTICULTURE

CONPARATIVE TEST OF OVER ONE HUNDRED VARIETIES OF STRAWBERRIES.

Correspondence of the Progressive Farmer. I give below as clearly and candidly as I know how not only the result of this year's test, but of many years' ex-

EXTREMELY EARLY VARIETIES Meeks Early,-Very firm, perfect color, good s z , profitable on rich soil. Improved Westbrook .- Its productiveness, firmness, perfect color and good size make it a highly profitable market berry. But soil must be rich. Murray.-A better market berry than Westbrook under average culture. Several days later.

Heffman.-Not productive enough this far north to pay.

Eleanor. - Very premising, but fully tested here.

EARLY VARIETIES.

Smeltzer-Similar to Michel, but larger and more productive. Pays well here.

Michel.-Profitable as this is in the West and Southwest, it does not pay here.

Arkansas Traveler.—An exceedingly heavy bearer of large berries.

Clyde.-Productive of large berries, which excell in firmness.

Rio, Dayton, Van Demon.- Fine berrics, all of them, but not productive enough to p.y.

Newman.-This standard Southern berry does not pay this far north. Beder Wood .- Moderately prolific, but rather soft.

MEDIUM EARLY VARIETIES. Bubach.- Its huge +'z) and unfailing productiveness make it cur great market berry. Greenville.-Similar to Bubach.

John Brady, Gatesville, N. C.; Dr.

J.F. Harrell, Whiteville, N. C.; T. J. Candler, Acton, N. C.

worth Carolina Reform Press Association.

Officers-J. L. Ramsey, President Marion Butler, Vice-President; W. S. Barnes, Secretary,

PAPERS.

Caucasian,	Hickory, N.
Mercury,	Hickory, N.
Mattler,	Whitakers, N.
Our Home,	Beaver Dam, N.
The Populist,	Lumberton, N.
The People's Paper,	Charlotte, N.
The Vestibule,	Concord, N.
The Plow-Boy.	Wadesboro, N.
Carolina Watchman,	Sa isbury, N.

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

AGRICULTURE.

The cost of producing a ton of hay i reckoned by correspondents of the Maine Board of Agriculture at \$6 37 when hay is grown in rotation with other crops. When grown as an exclusive crop the estimate is \$8 16.

Some farmers should hang up the following motto in their dining rooms and live accordingly: "More fresh vegetables and less salt meat."

Have a place for each tool, but don't have too many places. A minute spent in putting the hammer in its place may save hunting for it an hour when you are in a hurry.

Very few farmers, says a writer, nowadays raise the fine crops of pumpkins that find a place so naturally in do the rest.

Fine, fat hogs are selling at 3 cents per pound in Chicago, Kansas City, Omaha and other Western markets. Guess some of those fool goldbug farmers enjoy it, however, so we will not make any comments.

The Post, of Houston, Texas, says that the sale of oleomargerine in that city is hardly one fifth what it was one year ago. The paper attributes this decline, in the main, to the hostile legislation which has been had in so many States.

From the fourth week on the young pigs need care on their own account, as they want other food than that from their dame, and, as this is the most important and profitable period of their lives, the attention given should not be hindered nor slackened; and yet the temptation is to best. w the more care to the older hogs. We have good reason to believe that melon, berry, grape growers and truckers generally, are being fleeced by Northern commission merchants. They frequently make outrageous returns. It is easy to claim that the markets are glutted, or that the articles shipped were damaged. We have no feasible remedy to offer, but think truck growers should begin to take steps to pro tect themselves.

ous growth at the start, the crop, bar | is a humid state of the atmosphere, and

American Cultivator. There are more failures of crop from land."

planting whole potatoes if the latter are in good condition than from any other one cause. It generally happens, where the first white sprouts have so when planted only two or three of the eyes will grow. We venture the assertion that with potatoes kept in pits during the winter, or in any other way growth prematurely, no crop of large marketable potatoes can be grown from whole seed. This is shown in the or left in the ground through the win-

are the earliest potatoes to start into growth, and though every effort is u-ually made to cultivate them thor many stalks, and by the time the tubers were formed the plants crowded each other so that a crop of marketable po tatces was not possible.

It is not too late after potatoes come up to go through the rows and thin out the weakest shoots in hills that contain more than two or three. It requires some skill to do this, first stepping on the fields of corn. All that is needed the hill and pressing the potato set to be done is to plant them; they will firm y in its place, while the stalk is seiz d and with a quick jerk pulled from it. This requires some work, but | the comparatively small remainder beit is better than letting too many stalks grow up to crowd each other. If more than one stalk is to be pulled the pull ing should be done separately, else the entire hill may be uprooted.

> Whatever injures healthy leaf growth lessens the potato crop, and if after the ubers are formed the leaf is injured, the quality of the potato is affected. Where the foliage is eaten by potato larva, the potato will be watery and immature. When blight strikes the leaves, the quality of potatoes is affected in the same way. Fortunately poisoning for the potato larva and spraying with Bordeaux mixture to prevent blight have lessened these dangers, and made it possible to secure potatoes of good quality without regard to the season. There is, we think, an improvement in quality of potatoes within a few years, as the market is mainly supplied by those who have had ex perience and know how to produce the best. It was once supposed that only the small yielders among potatoes were best for the table. The large, coarse varieties were reckoned, as indeed they were, coarse and unpalatable, fit only mus in its Relation to Soil Fertility for stock feeding. But some of the new large potatoes, especially the seed vated Plants: The Two Freezes of little chance to cultivate them. This lings of the Rose, are not only enor 1894-95 in Florida and what they is the only section where the condition

ring disease, will be a large one. If the more constant the degree of humidthere is a great mass of thin, weak ity the greater the measure of profit sprouts, there will be a good many able spinning," instituted a comparison small potatoes, but few of marketable of the "Natural humidity of certain size, because each set of roots will have portions of the United States, particuits tubers, and there is not room for all larly the South, where the extension to attain normal growth, says the of the art is most pronounced, with that of the southern shore of New Eog-

These investigations show that inside humidity varied greatly from the outside readings, except when the temhowever, that those who plant whole peratures were nearly the same. In potatoes have them in warm cellars, March when the average inside and outside temperatures were respectively sapped the vitality of potatoes that 72 degrees and 32 degrees, the relative humidity was 32 per cent. and 64 per cent., respectively; while when mid summer weather prevailed, and the in side temperature was 83 4 degrees and where the eyes will not be pushed into the outside 84.6 degrees, the relative humidities were 40 and 41 per cent.

"It is apparent that the relative hu midity of the atmosphere depends not uniform failure of potatoes self planted, only on the absolute quantity of vapor present in the air, but also on the temter to produce a paying crop. They perature which determines the point of saturation."

"The control of both temperature and humidity by artificial means seems oughly, we never knew a case where to be the final solution of the problem these self planted potatoes amounted in all cases where the establishment of to anything. There were always too mills in a relatively dry section is contemplated."

> YEARBOOK OF THE DEPART MENT OF AGRICULTURE FOR 1895

The Yearbook for 1895 is now ready for distribution. Of the large edition of 500,000 copies, 110,000 copies are alloted to the Senators and 360,000 to the members of the House of R presenta tives—or over 1,000 copies for each member of the two Houses of Congress. ing turned over to the Department of Agriculture for its exchanges and correspondents.

The 656 pages of the Yearbook con tain (1) a general report of the opera tions of the Department; (2) a series of papers prepared in the different bu reaus and divisions of the Department or by experts specially engaged, and designed to present in popular form results of investigations in agricultural science or new developments in farm practice. These are illustrated by ten full page plates and 134 text figures: temperature was below the normal the 3) an appendix of 104 pages containing miscellaneous information and agricultural statistics compiled down to the lat est available date, relative to the pro duction, values, per capita consump tion, exportation and importation of farm products: (4) an index of 30 pages. For the information of horticulturists, dairymen, and farmers generally, the following table of contents is quoted: Report of the Secretary: Soil Ferments Important in Agriculture, Origin, Value, and Reclamation of AlkaliLands; Reasons for Cultivating the Soil; Hu-Forests and Freezes as Affecting Culti are deep in grass, and farmers have mous yielders, but as white and mealy Teach; Testing Seeds at Home; Oil Pro- of crops is not generally favorable if he isn't careful.-ED]

United States in 1889, and the quan titics and values imported from 1890 to 1895, inclusive; Statistics of fruit and " 't''' to e canning in the United States;

Adium of price and consumption of sugar; Tea, c. ffee, wines, etc.; Freight rates in (ffect January 1, 1892, to 1896 in cents per 100 pounds; Freight rates on wheat from New York to Liverpool; Freight rates (all rail) on live stock and dressed meats from Chicago to New York; The weather in 1895; The Weather Bureau and its voluntary ob servers; Texture of some typical soils; Educational institutions in the United States having courses in agriculture; Agricultural experiment stations in the United States, their location, directors, and principal lines of work; Feeding stuffs (for animals); Fertilizing constituents of feedin, stuffs and farm products; Fertilizing constituents con tained in a crop of cotton yielding 300 pounds of lint per acre; Analyses of fertil z re; Barnyard manure; Cuts of meat; Human foods; Methods of con trolling injurious insects; Preparation and use of insecticides; Treatment of

fungous diseases of plants; Formulas for fungicides; Erroneous ideas concerning hawks and owla; Timberlumber-wood; Two hundred weeds; how to know them and how to kill them; Distance table for tree planting; Irrigation; Number, weight, cost of seeds, and amount to sow per acre; The metric system; Notes regarding Department publications.

A mejority of cur farmers work too mu h in proportion to the amcunt of thinking they do. Head work is half the forenoon a pail of water into which of the battle of life.

-----WEEKLY WEATHER CROP BUL-LETIN

For the Week Ending Saturday, June 20, 1896.

CENTRAL OFFICE, Raleigh, N. C. The reports of correspondents of the failure. Weekly Crop Bulletin, issued by the **** North Carolina Station, for the week ending Saturday, June 20th, 1896, in Correspondence of The Progressive Farmer. diate again generally favorable con ditions except over limited areas in the northern portion of the Eastern district and a few central counties, where crops are suffering from too much rain. The first three days of the week, and reached normal or slightly above the latter part. Rains were frequent and beneficial where not excessive. Much damage occurred by hail in four counties. The amount of sunshine was de ficient. A few days of dry and warm weather are now needed, in order to enable farmers to cultivate crops. which are becoming very grassy in many localities. drive him from us. EASTERN DISTRICT.-Too much rain Very respectfully, occurred again this week in the north ern counties from Halifax east to Cur rituck, where crops have been damaged, Wake Forest, N. C.

nuts, mostly semi-tropical, in the land. Large crop of sweet potatoes. and looking very fine. Sorghum good vegetables plentiful; blackberries ripe watermelons will soon be ripe; other fruit poor.

while in many other counties where

the rain fall was less crops are cleap

and well worked. On the whole the

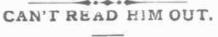
weather was favorable, except some

heavy washing rains and damage over

FIONS OF STATE POLICY.

WESTEEN DISTRICT - Generally cool and cloudy weather, with frequent rains, prevailed this week; the rain fall was excessive in only one or two counties (Buncombe and McDoweb), where lands were washed and grass and weeds are growing rapidly; but in spite of these drawbacks crops made rapid growth during the week, and the general outlook continues good. Win ter oats cut, and though short, are not altogether a failure, as many report them good now. Wheat nearly housed, except in north and west, where cut ting is going on ; thrashing is progress ing slowly. Corn made a fine growth, and is being laid by; corn planted in March now in silk and tassel; chinch bugs doing some damage. Nights have been still too cool for cotton, and lice are checking growth, but crop fine, nevertheless. Many cabbage plants were transplanted in the west this week. Meadows are now fine.

It used to be the rule to keep horses from drinking at noon or night after they had been working through the forencon or afternoon, until they had eaten their feed and had cooled down. This was considered necessary in order to prevent injury from taking cold water while the system is heated. But this is cruel to the horses, as they can not eat what they should if they are parched with thirst. The better way is to give each horse in the middle of a small quantity of oatmeal has been stirred. This will refresh and invigorate the horse without doing any injury, and will prevent him from being injured by drinking freely at noontime. The drink being n urishing, rallies the strength and enables the animal to do a greater amount of work without



It seems to me that a number of our Populist friends are trying to read G Ed. Kestler out of the People's party. This is all wrong, Mr. Kestler has a right to his opinions and to express them through the columns of the press conditions. if he wants to. He uses language that some of us cannot commend, but we of fair size, but of poor flavor. must remember that none of us are as careful in our expressions as we should be. If we cannot endorse his ideas or answer them with arguments and not resort to ridicule. Mr. Kestler will vote the Populist ticket fusion or no R E, TISSAL. [We hardly think there is any effort or desire to read Bro. Kestler out of his party, but he my read himself out,

Bismarck.-Promises to be an excellent pollenizer for Bubach, as it resembles it closely in plant and berry. Crawford, Beecher, Mary, Enormous, Marshall.-These varieties are good only on very rich soil.

Gandy Belle, Tennessee Prolific, Woolverton .- These varieties are of the very highest value as pollenizers for Bubach, Greenville and other large pistillates.

Wm. Belt .- A superb grower, not fully tested as to fruit.

Brandywine -In flavor, color, size productiveness and shipping qualities about perfect.

Belle.-Rusts some, but bears good

crop of huge, flat, misshapen berries. Barton, Crescent, Haverland, Great Prolific, Phillips, Love Princess, Saunders, Bissell, Splendid, Muskingum, Haverland, Edgar Queen.-These all bear good crops and are safe average market varieties.

Cumberland, Parker Earle.-These varieties have a fatal weakness. They are too soft to carry to market.

Columbian, Cloud.-These varieties do not pay this far north.

Cyclone.-Prolific of firm berries. but not large enough.

Lanah.-This variety, which has created a great stir South, will not pay

Enhance.- A powerful pollenizer. Berries large but rough.

Warfield .- That great standard of the West and Northwest ranks far below Crescent here.

Ivenhoe. - A firm, large, well colored, productive market berry.

Brunette, Banquet.-Claimed to be of perfect flavor, but I have never been able to find enough fruit to get the taste well in my mouth.

West Lawn .- This ranks with my largest and most valuable market berries.

Smith's Seedling.-A good average berry, but not at all extraordinary. Shuckless -Too soft to ship.

Shusters Gem. - Exceedingly prolific of berries of the Crescent type. I know

no heavier bearer. Louise.-A good, productive, average eized staminate.

Lady Thompson. - Ripens among the first medium early varieties. Bears here a heavy crop of large, well col ored berries.

LATE VARIETIES.

Gandy .- A superb berry, but not prolific except under very high culture. Aroma.-Equal to Gandy in size and far more productive under average Equincx.-The latest of all. Prolific, Timbrell. - A well flavored table berry, but fails to color well. The following varieties I have discarded; some of them as worthless; his argument let us refute them or some of them as inferior to varieties of similar character: Acme, May King, Ontario, Pearl, Regina, Stevens, Accomac, Beebe, Belmont. Bombs, Capt. Jack, Dew, Gillesfusion, and no amount of ridicule will pie, Hartfield, Beverly, Lida, Manchester, Monmouth. Oregon Everbearing, Cameronian, Pineapple, Southard, Sterling, Alabama, Bessie, Clark's Early, or Early Idaho, California. Crystal City, or Hyslop, Jess Jersey Queen, Mammoth, Old Ironclad, Price, Felton, Pansy. Stayman, Yale, Gypsy, Leviathan, Kentucky. O. W. BLACKNALL, Kittrell, N. C.