VOLUME L

SOME FACTORS INVOLVED IN SUCCESSFU CORN GROWING IN

SOME VERY VALUABLE INFORMATION FOR THE FARMERS

The Following Interesting and Valuable Article is Published From the North Carolina Agricultural Experiment Station of the College of Agriculture and Mechanic Arts.

It is Worthy of Every One's Careful Perusal.

(Br C. B. Williams, Director.)

(By C. B. Williams, Director.)
Information concerning proper imethods of selecting seed of different farm crops is of vital importance to farmers, for the same thought and effort put into few other operations of the farm bring such good financial returns. A few hours spent in intelligent field selection of seed of corn seach year may be expected to five bushels more per acre from these exet than from those selected by the ordinary methods.

| Constituously in or adjacent to a field of inferior corn, and in a very short to the year short to be destined as the strength of a chain is gauged of interior corn, and in a very short to be by its strongest, but ordinary methods.

In consideration of the promise in

this neglected field of work in North Carolina, and that over forty-seven per cent of all land cultivated in the State is devoted to corn, with the use of something like 450,000 bushels of seed corn and a small average annual Mediu Medium Maturing Varieties.

Hickory King, Biggs' Seven-ear, Cocke's Prollife, Wyatt's Improved years ago began experiments to dotermine the relative value of different varieties of corn as producers of shelled corn per acre. During the time covered by these trials many cases in which one or more varieties have produced from five to the best of these will usually mature on the different types of soil of North Carolina els more per acresthan other varieties have been observed. Conjugity with these will usually mature on the different types of soil of North Carolina east of the mountains in one hundred and twenty these experiments, seed ejection with the power of any corn grower to control if proper methods of seed seed to supplement good with the state.

Late Maturing Varieties, the cone who regulates the controllable factors most intelligently. Seed Selection.—The more intelligently and persistently field selection of seed is carried on, the larger he yield of corn from such seed with items will usually mature on the different types of soil of North Carolina east of the mountains in one hundred and twenty selection are used to supplement good yielding varieties grown in this State.

proper feetilisation and thorough have evidently been bred to produce the row, and of the effects of rem cultivation of the soff-stand to plant one large ear per stalk. In this climps suckers from the plants, is a proper food and care are not introduced in the soft-stands of the proper food and care are not introduced in the soft-stands of the proper food and care are not introduced in the soft-stands of the plants and animals, imanded in the soft-stands of the plants and animals, imanded in the soft-stands of the plants and animals, imanded in the soft-stands of the plants and animals. proved breeding will not only be im-With the same thought and care, results are secured much quicker with plants than with animals, as a con-pleted growth is obtained in one year with most plants, while with animals proved it requires several years to secure King. complete knowledge of what one has Queen.

sults are secured much quicker with plants than with animals, as a complete knowledge of what one has obtained by a certain cross.

The testing Varieties.

The testing of varieties of all agricultural crops is of the most fundamental importance, as is evidenced by the differences in yield of different varieties grown side by side in the same field, on the same field, on the same type of soil, with identical cultivation and fertilization; these differences being due has been transmitted from

Methods of improveement.

At present there are three methors and provement of corn by seed selection, the provement of corn by seed selection. Weekley's Improved, Brake's, Cooper's Improved, Brake's, Cooper's Improved are geometricultural crops is of the most fundamental importance, as is evidenced by the differences in yield of different varieties Biggs' Seven-ear. Weekley's Improved, and Sanders' Improved, and Sanders' Improved, as corn-brought from a distance of the seed of the individual varieties of the seed of the individual varieties.

Solls of the eastern and southeastern portlose of the seatern and southeastern proved. Affectory the improved aced (2) field election of the best home-grown seed, and (3).

Chamber Commerce

Togish being the regular meeting and farmers depend and same field, on the same type of soil.

Weekley's improved, Brake's, Cooper's Improved seed; (2) field selection of the best home-grown seed, and (3).

Importation or buying of turn there are three methors are three methors of the best home-grown seed, and (3).

Importation or buying of turn the best home-grown seed, and (3).

Importation or buying of turn the provention of the best home-grown seed, and (3).

I

Station farm something over seventy—five varieties of corn have been studied in comparative field tests. The coming from the far South yielded number of varieties in the different tests have ranged all the way from nineteen in 1903 to sixty-eight in the Station tasts, Biggs' Seven-ear, a North Carolina—originated variety, the same conditions of soil, fertifica—and cultivation as it was possible of the conditions under which the parameter of carolina conditions under which the parameter in the clamonitane portions of North western and North Carolina—Neither have varieties done extra well under North Carolina—originated North Carolina—originated variety, the most prollife ones grown in the 10, are truly gratified—with our receptions of three years reported to the same conditions of soil, fertifica—is an average of three years' reported to the same conditions and willing part in giving. We wish to take this production. Promptly at 8:30 to 100 to 100 the pass upon them—all for on providing be a good one. Two good comedies, alm—one purpose—the cultivation ways and means for Oyster roast Corn and them to pass upon them—all for on providing be a good one. Two good comedies, alm—one purpose—the cultivation ways and means for Oyster roast Corn and them to pass upon them—all for on providing be a good one. Two good comedies, alm—one purpose—the cultivation and sold of a Triend." have some good hearty in the most prolling ones grown in the 10, are truly gratified with our receptions of the most prolling ones grown in the 10, are truly gratified with our receptions of the most prolling ones grown in the 10, are truly gratified with our receptions ways and means for Oyster roast Corn and them the most prolling and the most prolling ones grown in the 10, are truly gratified with our receptions ways and means for Oyster roast Corn and the most prolling and the most prolling of a Triend." have come from network of a Triend. The production ways and means for Oyster roast Corn and the control of a Triend. The production ways and tively, and this plan was repeated from three to five times, varying with the length of the rows, in order to give the desired accease to each variety. By taking these precautions the results obtained should be reliable and highly valuable, what is a Variety?

A variety-is supposed to represent a class of plants with one of more dissinguishing characteristics, but the control of the state than do Southern varieties. Some Larger Controllable Factors Affecting Yield.

To secure large yields in any local-

so freely that variety does not mean productive soil and proper tillage be much unless proper precautions have supplied. By the neglect of any one of these factors it is absolutely im-

[constinuously in or adjacent to a field | as the strength of a chain is gauged

Learly staturing varieties.

Learling Yellow, lowa Silvermine, ject pertaining to seed fill be touch. Riley's Pavorite, Reid's Yellow Dent, ed on which are not discussed else. Boone County White, Boone County where in this Bulletin. The farmer who are most out of or the one who are not for the one who are not on the one who are not only those properties.

Medium Maturing Varieties.

the seed of the individual varieties.

As pointern versus southern Varieties, oughly acclimatized, which usually will be no subscriptions asked at the requires from two to three years.

Bulletin, the best of the northern-grown varieties of corn have not parent to progeny.

During the past six years on the Station farm something over seventy—

But varieties of corn have not be the heaviest yielders for best varieties of Western and North-the classification of North western corn. None of these have

the Station farm during the past few years. Only those phose of the sub-ject pertaining to seed till be touch-

Special and Pool's are seven of the who gets most out of, or the one wh Special and Pool's are seven of the who gets most out of, or the one who earliest varieties in maturing that auffers least from uncontrollable factors, such as lack of sufficient temperature and rainfall, is the one who

these experiments, seed election days.

If the best cirried of with the hope of accretaints much bracked in formation, the application of which by farmers would lead to materially increased yields of this ceceal.

It should be borne in mind, in the beginning, that the underlying principles of plant and animal improved. Williams', Horsetoth, Holt's Strawberls, improved, Predonia's iside, as "a evidenced by most of our ment are almost identical, and that similar melhods to shose which have been adopted in the improvement of the various breeds of five stock must Sharber's, in about the order named, for, many farmers have not secured. been adopted in the improvement of the various breeds of live stock must sharber's, in about the order named, her, many farmers have not secured be followed by those who wish to are some of the latest maturing varies hear the production per are which ties tested during the past four or their farms are capable of producing ness. "It must also be remembered that as intelligent feeding and good care stand to militarl breeding, to bo care stand to militarl breeding, to bo large, tall stalks, and many of them to followed by the calculation and fertilization have evidently been hered to produce the row, and of the effects of removes.

Varieties Adapted to Eastern or duce suckers seems to be largely a varietal wharacteristic. Coastal Section For the sandy and fine sandy loam oils of the eastern and southeastern

Next Wednesday Editor Dally News:

to the farmers of Beaufort counrelative to "Corn Judging Day." Wednesday, November 16.
This is one day's vacation they

Mr. Tayloe Urges

Farmers to Bellere

hould take for the pro their interest; for every man knows that agriculture today is the leading

ulture, together with representatives from our own State Department, will be here, as well as many other promhe here, as well as many other prom-frem farmers to give their views and experience in con growing. These views and ideas, blended with the practical experience of our local farmers will, necessarily, he of great

The Norfolk and Southern Rallroad will give on that day in prizes upward of two hundred dollars. Bur, addition to this, the merchants of

present, Arrangements have been made whereby we can steam 32 bush-els of the luscious blvalves every

We want all our farmer friends to ome, and we will do all in our power make it both pleasant and profit

able for you. 16th, Corn Judging Day, in Wash

a luterguing of

Yours very respectfully, JOS. F. TAYLOE, E. T. JENNETTE. A. J. COX. E. H. JEFFERSON.

MECHANICAL ERROR.

The notice of the Norfolk and Southern Railroad sale in today's is-sue begins on third page and con-cludes on sixth page, instead of be-ginning on second page and continu-

Large Number Professed Faith Last Evening

The Methodist Church was crowd i again to the doors last night and fully forty people professed religion Mr. Black's talk, "What Shall | De With Jeans," was one of the most powerful addresses this eminent evangelist has yet given to the people

of Washington. As usual Messrs Black and Burr sang one of their sweet duets, "Where will you spend sternity?" and the Divine Spiri seemed indeed to be it the midst of the large congregation. These union meetings seemed to be blessed, for the daily attendance is growing larger and larger, and in the homes about the city the afternoon prayer meetings number more and more of th otion of praying for the success of Christian ity on earth.

Next Sunday at 3 o'clock there will world, and when opportunities of this kind are at their very door, they should be taken advantage of.

Corn growing experts from the United States Department of Agriculture, together with representations.

IN ENLARGED FORM

The Daily News comes to its many readers today double in size—eight pages—containing matter interesting, and we trust, readable to all. It is more than gratifying to the

so soon after assuming control, our readers will recall was August last. It demonstrates one thing above all others, that the people have confidence in the paper; they are disin addition to this, the merchants of Washington, X. C., will award many substantial prizes.

These prizes, however, will be given to the Beaufort county farmers; while the former will apply to the whole section represented. It, therefore, behooves every farmer of this territory and, espendally of this county, to be present with the fairest sample of his product and enter the contest for a prize.

The citizens of Washington have provided an oyster rolet for our out of-town friends for the receipts, and the fairest sample of the product and enter the contest for a prize.

The citizens of Washington have provided an oyster rolet for our out of-town friends for the greaten, and we have the fair and prize that any weekly. The contest for a prize.

The citizens of Washington have provided an oyster rolet for our out of-town friends for the greaten, and we have the fair and the contest for a prize.

The a ubscription list is rapidly growing. The paper enters the homes of more folk today.

The aubscription list is rapidly growing. The paper enters the homes of more folk today than ever before, els of the luscions bivaives every leard gives us cause for self contents, and guarantee to engratulation. While the News is the designated as CORN JUDG- Tallow.

The Washington Concert Band has abreast with the times it has not reached that plane as a journal so others interested in the cultivation of Sheerlings of the highest class on this even.

Since the program in store for the farmers and Wood, free from burns of the highest class on this even.

Since the program in store for the farmers and Wood, free from burns of the highest class on this even.

Since the program in store for the farmers and wood, free from burns of the highest class on this even.

Since the program in store for the first designated as CORN JUDG- Tallow.

In B. D. A. and all the farmers and wood, free from burns of the highest class on this even.

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In B. D. A. and all the farmers and wood, free from burns of the control of the control of the control of the control of the program in store for the first designated as CORN JUDG- Tallow. and the words of come

orthy of the city, and one the man

THE FASTEST YET

type affont, as well as ne of the two most powerful battl ships affoat. Her screw standardizaured-course today developed a maximum speed of 22.25 knots, and an average of 21.833. Both marks are in excess of the best performances of her sister ship, the Delaware, or the ers of corn. Bellerophon, the leader Dreadhought next Wedner of the British navy.

AT THE GEM TONIGHT.

the same conditions of soil, fertification as it was possible of and cultivation as it was possible of portion to eliminate inequalities in the character of the land, it and 4.2 bushels more than Mosby's any, the varieties were planted each in southern Missiasippi. Southern corn generally produces a ground this plan was repeated from three to five times; varying with cars at a greater height, than do yield may be expected from this bleads and may be lucky enough to make the conditions under which the parameter of the land, it should be conditions under which the parameter of the land, it sh yield may be expected from this means so much to Beaufort county's pleased, and may be lucky enough to missed it, failed to be moved and

REMOVING OLD POLES. .

scaph company are today having the seem for the still be one not seen for today having the seem for the still be one not seen The new exchange is now practically aid any effort the farmer in the fu-4 25 5

LARGE SHIPMENT.

Merchants of Washington Are to Present Handsome Awards - A Great Day is Expected--Will Be Historic.

\$500 in Prizes is to Be Awarded

The Norfolk & Southern Railroad and the

FARMERS CORN CONTEST

EVERY FARMER IS INVITED

WEDNESDAY, NOVEMBER 10

Five hundred dollars in prizes are to be awarded to the farmers of Enstern Carolina by the Norfolk and South-

ext Wednesday - Corn Judging Day?

\$25 gold watch and \$15 in gold. Largest yield per acre, any variety

white corn. white cob, \$25 gold watch and \$15 in gold. Largest yield per acre. Horsetooth r any other variety of white corn.

white cob, grown by boy up ears of age, \$25 gold watch and \$15

white

It is to be hoped that the farmers of Beaufort, Hyde, Washington, Pitt, Eggs Craven and Paulico countles will not Chickens, grown to make note of the interesting Spring chickens

COME

These are urged to cor next Wednesday, bring samples them of what they have accompled. They are to place their efficient skill, their knowledge, at

Wednesday, Nov. 10, Corn and New Advertisements

vated by its uplifting environments. Corn Judging Day should insius all as tillers of the soil with ne pride, new enthusiasm, new spirit The Carolina Telephone and Tele- This day should appeal to every ci ture puts forth.

So words can portray its important book idee.

T. O'Doin

The Eureka Lumber Company adjoining counties.

List everybody come to Washington Day

The International Harvester Co. pany offers a \$45 feed mill for the largest yield per acre of Horsetooth

Washington.

The Norfolk and Southern will offer the following prizes for corn grown in the territory tributary to its lines for the year 1909:

Largest yield ber acre. Horsetopth. ears of any other variety exhibited.

The Bailey Supply Company offers to corn sheller, value \$10, for the corn with white cob

The J. H. Harris Plumbing & Suponditions, as is evidenced by its su-ratch. ear of corn.

McKeel-Richardson Hardware Co. gold Jekkeel-Richardson Hardware Co. offers one five hoe califfestor, value \$4.50. General award.

J. F. Tayloe offers one barrel of Town Talk flour. (Committee to de-

10 to 25e Green salted hides

TARRET Close 11.37 14.30 11.43 14.40

op circus but an exhibition of far

The Dally News in the name of the

Greet crowds are coming and those re invited to make the News office endquarters. The entire staff will leaver to make your stay pleasant well as profitable.

ursion trains are to run, and rates are so fixed every farmer If you do come

he Norfolk and Southern, quite a number of Washington merchants will donate to the farmers rewards.

Bring your corn samples next educaday and let's show what Eastern Carolina can do. If we are not as yet up to the standard it will be the

The Daily News trusts all the cultivators of soil will bonor this Corn be to all an occasion profitable and educative. The city bids you welcome. Come! Come!

in Today's News

E. Peterson Co.—Holiday Goods. Jos. E. Clark Co.—Department

J. K. Hoyt-Dress Goods Values Fulford Hardware Co. - O. K. Cook Stoves Harris Plumbing & Supply Co.—

· Our Stock, Wm. B ragaw & Co.-Corn Judge Baltimore

Buying Seed .- In buying seed it is

usually safest to secure seed in small

home as possible, other things being equal, and give them a trial before

making extensive planting of the va-riety. This can be done, as some of the best yielders for North Carolina

have been originated in this and adjoining States. If a neighbor has better neighbories or than you have.

quantities first, and from all

cause.

Methods of Improvement.

of lumber. This is the largest ship-ment to ever leave Washington by the poor farmer, the good farme one barge.