



THE FARMER'S TALK TO FARMERS

AUSPICIOUS FOR REVIVAL OF NEW ENGLAND AGRICULTURE

(Written Specially For The Bulletin.) It's a little too late to talk much about this year's strawberries. But it's not too late to begin to talk about how to raise next year's.

Prof. Esten's 1921 experience on his famous "Independent Fertility Field" is worth studying by anyone who aspires to raise good berries profitably. Even those of us who have only a small bed of home picking may get useful suggestions from his comparative tests.

He had seven separate plots, this season. Each plot was twenty by twenty-two feet, and each plot had a different manurial application. With this exception, they were, as I understand, practically identical. And it is to be assumed, also, that all were on soil inhabited by adequate forces of the helpful bacteria. The best plot yielded 68 baskets, which sold for \$13.60. The poorest crop gave 13 baskets, which sold for \$2.60.

This poorest crop had nothing put on it as manure or fertilizer. It was, I suppose, intended as a check to show about what the natural capacity of the manured soil would be.

The best crop was fertilized with rock phosphate and green manure. This best plot, it will be observed, produced more than five times as many berries and brought in more than five times as much money as the plot which received no fertilizer. That, right off, ought to afford a mighty interesting insight into the question of what rock phosphate, supplemented by ample green manuring and the bacterial action will do, without the use of any hard-yard manures.

The following table gives the character of the fertilization on each plot and its yield in baskets:

Table with 2 columns: Fertilization description and Yield in baskets. Includes rows for 'Rock phosphate and green manure', 'Acid phosphate and green manure', 'Acid phosphate, lime and green manure', etc.

The outstanding fact in this table seems to be the value of green manure, in connection with bacteria and phosphate. The fact that it would be unwise to draw any dogmatic conclusion as to the relative value of the differing fertilizer schemes. While plain rock phosphate seems to have done the best in this season's tests, the difference between it and acid phosphate or between either of the phosphates with lime, is so small as to be inconclusive. It seems a little queer that the addition of lime in two of these four tests should have shown no advantage. As the soil may be presumed to have been fully limed in past years it may be that it is now sufficient.

A practical lesson to be found in the fact that rock phosphate did rather better than acid phosphate. If it had only done as well, the fact that it seems much less than acid phosphate would seem to establish the economic value. The difference in yield between the four plots given phosphates and green manures and the three plots given green manures is striking.

Of course, these were small, trial plots. If each one had been an acre and each full acre had given the same as the small plot, in proportion, the differences would have been even more striking. A plot 22 feet by 20 is almost exactly one-hundredth of an acre. The three plots that given rock, lime and acid green manures, thus yielded at the rate of 6,800 baskets per acre and sold at the rate of \$1,360 per acre. The manure and fertilizer plots yielded at the rate of 4,400 baskets per acre and sold at the rate of \$880 per acre. The "nothing" plot grew at the rate of 1,317 baskets per acre, and sold at the rate of \$263.40.

If a correct formula of fertilization for strawberries will make a difference in the yield of almost \$1,100 per acre, it is worth the while for berry farmers to know what the formula is and to try it out.

One other thing these tests seem to show. That is, how absolutely right Prof. Esten is in his assertion of the value of bacteria as nitrogen gatherers and potash releasers. His "New Agriculture" rests on the assumption that the bacteria will gather for a crop all the nitrogen it needs from the air, and will release to the crop all the potash it needs from the soil. Phosphorus will still be lacking, and must be supplied. Therefore, in its practical application, this "New Agriculture" depends on the fostering of bacteria by the use of lime and green manures and the application

of sufficient phosphates to balance up the ration of nitrogen and potash which the bacteria supply for nothing. His own experiments and those of Mann and others in the west have shown that the cheaper raw rock phosphate is quite as effective and a good deal cheaper for this purpose than acid phosphate.

Similarly, experiment has shown that raw limestone is quite as valuable in its action on the soil and its effect on the bacteria as burnt lime—and a good deal safer and cheaper.

It is simply the practical application to practical farming of the discoveries made in regard to bacterial action in the soil.

If bacteria will draw from the limitless atmospheric ocean above us all the nitrogen which our crops can use, and transmute it into forms as those crops can feed upon, why waste money buying high-priced nitrates?

That the bacteria will do exactly this, is now an admitted and accepted fact. Also, if the bacteria will release from the almost unlimited supplies of potash lying dormant in practically all soils the potash our crops need, and supply it to those crops in the forms they demand, then what is the use of spending money for German potash?

This eliminates the costliest two factors in the fertilizer problem. The two remaining, lime and phosphate, are both American products, handy to come at and cheap to buy. The fifth factor, viz., green manuring, is always at our command. For green manuring means simply the regular return to the soil of all the weeds and tops and crop-remains taken off it. Its purpose is not only to make "humus" but to nurture the bacteria, and encourage them to do their best.

This is an especially good time to think about anything and everything which will tend to revive New England agriculture. What, with railroad strikes, "noverting" it, looks as if New England cities might find it increasingly difficult to fill their bread-baskets this winter.

It would mean a good many dollars in the pockets of New England farmers if they, the said farmers, had raised the crops the cities will clamor for.

The decadence of New England farming in the past forty or fifty years has been due to a combination of circumstances which are not going to work away. The first cause has been lack of labor, due to the rush of young people to the cities. Another has been the lack of capital to supply adequate fertilizer on worn-out farms.

The first of these difficulties, i. e., lack of labor, already has been largely and is going to be still further relieved by the freer use of machinery. The limit of inventive ingenuity hasn't yet been reached. The time has come when one farmer, with adequate tools and machines, will be able to do as much as half-a-dozen hired hands were needed for, a few years ago.

The second circumstance, that of low prices for the product, can already be almost ignored. Present market prices are so high as to make up much of the difference between western and eastern costs of production. And when a strike comes, the farmer delivers almost entirely, what will the robin do then, poor thing?

The third difficulty, that of restoring and maintaining fertility on worn-out farms, is taken care of by Esten's "New Agriculture." Let the bacteria do it, assisted by a little cheap lime and rock phosphate.

All the signs are auspicious for a revival of New England agriculture. While that time comes the local farmer will always have one tremendous advantage. He is, almost invariably, right next door to a busy and hungry market. He can, almost always, deliver his goods by his own truck, and snap his fingers at railroad rates.

The New England farmers who can read the signs of the times and are willing to follow them have a future, the future which may be nearer to them than some of them appreciate.

COLCHESTER

Prof. James Brooks and family returned Monday, after spending their vacation in New Hampshire and Vermont. Benjamin Horowitz and Nelson Sterns were in Hartford and New Haven Wednesday.

David B. Murray was a visitor in Norwich Wednesday. Miss Ann Brainerd, Miss Kate Foots and Miss Vera Squires were New London visitors Wednesday.

A number from town went to Norwich Wednesday to attend Dollar day sales.

Mrs. Hattie Reynolds and daughter, Miss Martha returned Thursday to their home in Norwich after a few weeks' visit with Mrs. Reynolds' mother, Mrs. Eliza Strong.

Mrs. R. K. Brown, Miss Louise Weeks and S. H. Kellogg motored to New London Wednesday.

Theodore Hunt of Providence was a guest at Mrs. William E. Strong's for the past week.

At a court Wednesday evening in Orange, N. H., the first case was that vs. four young boys, who were thrown

THINGS THAT COUNT

Not what we have, but what we use, Not what we see, but what we choose— There are the things that mar or bless The sum of human happiness.

The things nearby, not things afar, Not what we seem, but what we are— There are the things that make or break, That give the heart its joy, or ache.

Not what seems fair, but what is true, Not what we dream, but good we do— These are things that shine like gems, Like stars in fortune's diadems.

Not as we take, but as we give, Not as we pray, but as we live— These are things that make for peace, Both now and after time shall cease.

— The Outlook.

COLUMBIA

A party consisting of seventeen Boy Scouts and their scout master from St. Joseph's church, Willimantic, went with Clayton Hunt in his auto truck Monday for a day's outing at Niantic, Crescent Beach and New London.

An auction was held Monday on the farm of Sam Segal, on the Columbia branch road to Willimantic. The sale included all the live stock, wagons, farming utensils and three acres of standing corn on the farm. It is Mr. Segal's intention to move to New York shortly. Fairly good prices were realized at the sale.

Mrs. John Grossman of East Hartford, her daughter, Mrs. Bardin and her children, also Miss Violet Froesch are spending two weeks at the very cozy cottage on the Green. Mrs. Grossman is an aunt of Mrs. Fred H. Avery.

At the home of Charles W. Bailey in West street, there was a reunion last week including Mrs. Bailey's four sisters, whose homes are located in different parts of the United States between New England and the Pacific coast.

Mrs. Walter Hewitt (Annie Bailey) of Hebron, formerly of West street, Columbia, has recovered from a surgical operation she underwent earlier in the season and is at Point of Woods on the shore, with Mr. Hewitt.

The case of Henry Goldstein against John Gasper, of Hop River, charging assault and breach of the peace was brought to trial before Justice of the Peace Raymond E. Clark on Tuesday at 4 p. m., having been adjourned from the previous Thursday to enable the defendant to obtain counsel. Gasper was represented by Lawyer Edward M. Yeomans of Andover, and pleaded guilty to the charge. An interpreter, Mr. Switzer, was needed in taking Goldstein's testimony as he speaks poor English. Goldstein testified that when he was talking his cows August 10th at 6 p. m., Gasper and Archie Berkowitz drove to his barn yard and Gasper shouted to Goldstein, "You want to pay damage?" and that Gasper testified that when he was talking his cows August 10th at 6 p. m., Gasper and Archie Berkowitz drove to his barn yard and Gasper shouted to Goldstein, "You want to pay damage?" and that Gasper testified that when he was talking his cows August 10th at 6 p. m., Gasper and Archie Berkowitz drove to his barn yard and Gasper shouted to Goldstein, "You want to pay damage?"

Grand Juror D. A. Lyman said that Gasper went to Goldstein's to make trouble and considered him guilty of the charge. He said that the whole trouble came from the fact that Goldstein's cows went through the fence and damaged Gasper's garden. He adjudged Gasper guilty of breach of the peace and fined him \$10 and \$13.91 costs, which Gasper paid.

JEWETT CITY

Daniel Morgan's home was burned to the ground, during the early hours of Thursday morning. So rapidly did the flames and smoke spread through the great house, that not a thing was saved, the family barely escaping. Mr. Morgan's home, a two-story brick building, was situated on the corner of the road, from which the house sat somewhat back. The house was built in 1880 and was a fine specimen of the country style. It was a two-story brick building, with a model and design seldom met with in this part of the state. The house was built in 1880 and was a fine specimen of the country style. It was a two-story brick building, with a model and design seldom met with in this part of the state. The house was built in 1880 and was a fine specimen of the country style. It was a two-story brick building, with a model and design seldom met with in this part of the state.

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MANSFIELD DEPOT

Mrs. John Lewis of Bonny View farm last Tuesday fell while out doors, sustaining a fractured hip. She was taken to the Mansfield hospital, Mansfield Springs, where she is reported to be doing well.

Miss Helen Dowers is on a week's visit with the Ernest Durkee family in Willimantic.

Carl Snow has returned from the hospital and is getting along well in recovering from a surgical operation.

Rev. F. W. Klein visited at the home of the Rev. Mr. G. S. Nelson, in Andover last week.

Miss Lois Northrup of Anthony, R. I. is visiting her cousins at the James C. Green farm.

Miss Ruth McCollum of New York was at home Saturday and Sunday last. Her sister, Miss Ella, of the Columbia university faculty, is at home for a month vacation.

Mr. and Mrs. G. S. Nelson of Andover were at the parsonage Friday and Sunday last.

Mr. and Mrs. Martin M. Hansen spent Sunday at Bushy Point.

George Costello and John Kohler were in Willimantic Saturday.

Mr. and Mrs. R. W. Tilden of Norwich visited Misses Augusta and Mary Tilden and Mrs. K. L. Dimock Sunday.

Mrs. How and her little daughter May of Troy, N. Y., are visiting the Herberg family.

Mr. and Mrs. A. L. Mills, Mr. and Mrs. George Thompson and Russell Thompson and Misses Kate and Dora Thompson, all of Hampton, were guests Sunday of Mr. and Mrs. E. B. Thompson.

Harold Hansen returned Sunday from a very interesting trip through New York, Canada, Maine and New Hampshire. He has had a special study of social problems in rural communities. The Babcock Cornet band will give a special concert program. The meeting will begin at 1 p. m., standard time. It is designed to make this a big community gathering for all interested.

ASHFORD

Much interest is felt in the big meeting of the Ashford Welfare association to be held Friday, the 25th, at Buckle Grove, two miles north of Warrenton, on the state highway. Highway Commissioner Charles J. Bennett will address the meeting on the general policy of the state of Connecticut as to highways in the remote country towns, and will make practical suggestions or answer questions as to the present acute problem of the country crossroads. There will also be an address by Rev. H. A. Coolidge of Union, who has made a special study of social problems in rural communities. The Babcock Cornet band will give a special concert program. The meeting will begin at 1 p. m., standard time. It is designed to make this a big community gathering for all interested.

Middleton—John F. Gilshenan left last week for Black Island. It is his 13th consecutive annual stay at the island. Mr. Gilshenan first went to Black Island Aug. 4, 1895, and has been a yearly visitor since. He expects to spend his time principally sword fishing.

WOMAN BLAMED BY HER FAMILY. Restless, irritable, nervous, excitable and exacting is the charge against her by those nearest and dearest. How little she realizes the struggle the overworked wife and mother is making to keep about her the ten thousand things that devolve upon her! Every hour her headache, backache and pains drag her down until she can scarcely stand. Lydia E. Pinkham's Vegetable Compound has restored more women in this condition to health and happiness than any other medicine. The wonderful cures we are continually publishing in this paper from women who have found relief from our medicine.

BREED TODAY AND SATURDAY THEATRE 1:30 to 10:15

TOM MIX IN A TREMENDOUS WESTERN PHOTOPLAY "TRAILIN'" A GENUINE MIX THRILLER GEO. WALSH, in "WITH STANLEY IN AFRICA" Pathe News - Christie Comedy

STRAID Matinee 2:15; Evening 7:45; Saturday, 1:30, 2:45, 8:00, 8:00 TODAY AND SATURDAY SMILE WEEK

BUSTER KEATON IN HIS LATEST KNOCKOUT MY WIFE'S RELATIONS' ALSO John Emerson and Anita Loos present their own production "Red Hot Romance" SELZNICK NEWS

STAFFORD SPRINGS The new barracks of the state police of Sub-Station No. 4 have been completed and the officers moved into the new quarters in the Gary block on East Main street this week.

ST. LOUIS CASINO HALL TAFTVILLE MUSIC BY THE FAMOUS Ideal 7-Piece Orchestra Dancing from 8:30 to 11:30 Daylight Saving Time LATE CARS FOR NORWICH AND BALTIMORE

OPENING DANCE Moosup Pond Casino SATURDAY, AUG. 26th MUSIC BY CRESCENT ORCHESTRA

LEGAL NOTICES Republican Caucus The Republican electors of the Town of Franklin are requested to meet in caucus in the Town Hall Tuesday, Aug. 29, 1922, at 7:30 o'clock p. m.

LEGAL NOTICES Wilsonville Mr. and Mrs. E. H. Murdock of Boston spent a few days the past week with local relatives.

LEGAL NOTICES ATTAWAUGAN Mr. and Mrs. Albert Reeves, Mr. and Mrs. William Kinder and son Harold went by automobile to Rocky Point Sunday, attending the reunion of the Pioneer Boys of Taftville.

LEGAL NOTICES EXCURSION Wilson Line Steamer Major L'Enfant Sunday, Aug. 27th Another Long Sail on the Sound, Stopping at Shelter Island and Greenport, L. I., for Three Hours. Bathing at Shelter Island. Refreshments Aboard. Music by Philharmonic Dance Orchestra. Leaves Norwich 9:30 A. M. Adults \$1.25; Children 50c. Tickets at Tyler Rogers, 56 Broadway; Also at Company's Office.

LEGAL NOTICES SPECIAL EXCURSIONS TO BLOCK ISLAND EVERY TUESDAY AND THURSDAY—\$1.50 via STEAMER NELSECO II SAILING EVERY DAY—REGULAR FARE \$2.00 LEAVES NORWICH, MONDAY TO FRIDAY—8 A. M. LEAVES NORWICH, SATURDAYS—10:45 A. M. LEAVES NORWICH, SUNDAYS—9:15 A. M. (EASTERN STANDARD TIME) FARE BETWEEN NORWICH AND NEW LONDON—35 CENTS

LEGAL NOTICES ROCKY POINT Famous "Share Dinners" "Dancing Raffles" "Shanty Singing" "Meadow Attractions" 100 Acres of Amusement

What Is Going On Tonight Motion Pictures at the Strand, Vandeville and Pictures at Broadway Theatre. Motion Pictures at Breed Theatre.

TODAY'S EVENTS National Independence day of Uruguay. Centenary of the birth of Gardiner G. Hubbard, first president of the Bell Telephone Company.

ANNOUNCEMENTS Five Fine Acts at Broadway. The big attraction at the Broadway theatre the latter half of this week is The Exposition Jubilee Four, who present "A Southern Breeze of Mirth and Melody."

ANNOUNCEMENTS The feature-photoplay is James Oliver Curson's "The Broken Silence." This is a vivid story of the hardships for a background and has an all star cast headed by Zena Keefe.

ANNOUNCEMENTS Don't Miss Your Laughs This Week at the Strand. We hoped that John Emerson and Anita Loos will produce a picture like "Red Hot Romance," a First National attraction, which began a run at the Strand theatre yesterday.

ANNOUNCEMENTS For "Red Hot Romance" is one of the most delightful burlesques (28 1/2 toplays) which it has ever been our good fortune to see. It has all the elements which go to make rollicking entertainment, but behind all this there is perfect direction, a perfect story and the evidence of extreme pains taken to make it rig true.

ANNOUNCEMENTS Buster Keaton's latest, also one of his youngest, fan is a Chinatown. He is directed by his picture from San Francisco's Chinatown with the following literary gem written on the back of it: "Washee itty poy annee names Hoppe Soy annee, loose Gustos, wifthee holhart Pleasee Smillee."

ANNOUNCEMENTS Buster Keaton has just finished "My Wife's Relations," a First National attraction, made under the Joseph M. Schickbaum banner. A Selznick News is also included in this big laugh bill.

ANNOUNCEMENTS For its feature attraction today and tomorrow, the Strand will present Tom Mix in a tremendous western photoplay titled "Trailin'." In this powerful drama of adventure and love the vigorous Fox star is given excellent opportunities for the best display of his talent and ability. It is filled with the usual mix thrillers and is in every respect a fine entertainment. George Walsh will also be seen in "With Stanley in Africa," the pathé news and the Educational comedy make up the remainder of the bill.

ANNOUNCEMENTS Continuous show Saturday from 1:30 to 10:15.

LEGAL NOTICES THE UNITED STATES OF AMERICA District of Connecticut. Whereas, on the 11th day of August, A. D. 1922, U. S. District Judge W. H. C. Wood, in the District Court of the United States for the District of Connecticut against 1 cases of canned shrimp in a cause of F. O. No. 8727, 8728 and 8729.

LEGAL NOTICES And whereas, by virtue of process in due form of law, to me directed, returnable on the first Monday of September, A. D. 1922, I have seized and taken the said 3 cases of canned shrimp and have it in my custody.

LEGAL NOTICES Notice is hereby given that a District Court will be held in the United States Court Room, in the City of New Haven, on the first Monday of September, A. D. 1922, for the trial of said premises, and the owner or owners, and all persons who may have or claim any interest are hereby cited to be and appear at the time and place aforesaid, to show cause, if any they have, why a final decree should not pass as prayed.

LEGAL NOTICES JACOB D. WALTER, U. S. Marshal, JAMES B. WHEELER, Deputy U. S. Marshal, GEORGE H. COHN, Asst. U. S. Atty., Aug. 23, A. D. 1922.

LEGAL NOTICES NOTICE TO CREDITORS. AT COURT OF PROBATE HELD at Norwich, within and for the District of Norwich, on the 24th day of August, A. D. 1922. Present—NELSON J. ATYLING, Judge. Estate of Ellen Meehan, late of Norwich, in said District deceased.

LEGAL NOTICES Ordered, That the Administratrix etc. the creditors of said deceased to bring in their claims against said estate within six months from this date by posting a notice to that effect, together with a copy of this order, on the signpost nearest to the place where said deceased last dwelt and in the same Town, and by publishing the same once in a newspaper having a circulation said District, and make return to this Court.

LEGAL NOTICES NELSON J. ATYLING, Judge. The above said foregoing is a true copy of record. Attest: HELEN M. DRESCHER, Clerk.

LEGAL NOTICES NOTICE—All creditors of said deceased are hereby notified to present their claims against said estate to the undersigned at 27 West Town St., Norwich, Conn. within the time specified in the above and foregoing order.

LEGAL NOTICES MARY MEEHAN, Administratrix.

Papec ENSILAGE CUTTER SAVES ALL THE CORN You can prevent useless waste of corn by continuing to fill your Silo until the silage is thoroughly settled. Fill and refill your Silo to capacity with a Papec Ensilage Cutter After you have stored all the corn possible in your Silo, shred the dry stalks remaining with a Papec equipped with shredder knives. Don't allow the fodder to stand in the fields over winter. Let us tell you more about the "Papec"—The Ensilage Cutter YOU SAVE Because We Buy a Carload IT'S READY NOW! Conn. Mach. & Sales Co. Water Street, Norwich, Conn.

LIPTON'S TEA The fact that Lipton's is the first choice in tea drinking countries the world over, attests to the popularity which could only have been won by freshness, aroma and flavor. If you would enjoy tea drinking at its best, ask for LIPTON'S TEA Largest Sale in the World