

SANDHILL FARMS NO LONGER JOKES

Work of Valentine Experiment Station Shows What May Be Accomplished.

GOOD RESULTS ATTAINED

Work done at the Valentine agricultural experiment station of the state has shown that alfalfa can be grown in most sections of the sandhills country, and the University of Nebraska in a bulletin, just issued from this station, recommends that where possible it should be made to take the place of infertile forage crops, because it would do away with the danger of soil blowing.

The bulletin points out that alfalfa is here of more value than any other forage crop that can be grown. Experiments have shown that for the sandhill section of the country alfalfa exceeds all clovers, including sweet clover, in its adaptability to conditions and that it is of more value than any of them and costs less to seed.

Sweet clover has been found more adaptable to hardpan lands than to this sandhill land, though for a time many were inclined to believe that sweet clover could be made to do well in the sand.

Sandhills Need Humus. The bulletin points out that the dry valley bottoms and the better portions of dune sand lands are the principal farming lands of the sandhills country.

Under cultivation this land needs, above everything else, preservation of humus, or organic matter, to enable it to retain moisture and prevent the blowing of soil. No method of improving the range land in the sandhills country by the introduction of new grasses has been discovered, but the native herbage is said to improve it rapidly if it is not overgrazed, and if fires are kept from running over it. Generally speaking, the pasturage on the ranges of the sandhills region is of good character.

Continuing further in the summary the bulletin gives of crop and grass conditions in the sandhills, it says:

"Alsike and red clover, especially the former, are well adapted to wet valley meadow conditions, and when sown in with the native grasses are valuable for increasing the protein element in native hay.

Some Crops Not Good.

"Slender wheat, brome, and western wheat grasses are the only grasses that succeeded in making stands under dry soil conditions on cultivated ground at the substitution. None of them made much hay, and it is questionable if it is profitable to attempt grass growing on any but wet valley bottoms under the prevailing conditions of climate.

"Sudan grass has yielded as high as 1,167 pounds of hay on light sandy soil when sown in rows 21 inches apart. Sown broadcast, it yielded 1,649 pounds per acre. It is much relished by stock.

"None of the other varieties of grain sorghums tested at the substitution equaled the upright, headed dwarf milo in yield. The yield amounted to 112 bushels per acre on light soil in 1913. This was the highest recorded yield of three years' investigation.

"Feterita is a good yielding grain sorghum and stands drouth well, but has not fully matured on the higher upland soils. As a forage crop it is not relished by stock.

Corn Must Be Acclimated.

"Corn yielded 13.6 bushels per acre under conditions similar to those under which milo gave 112 bushels. At the substitution the variety known as Minnesota Number 13, gave heaviest yield. Corn in the sandhills has shown a very decided local character. Imported corn rarely does well until acclimated.

"Of the so-called small grains, grown under conditions similar to grain sorghums and corn, the heaviest yields were obtained from winter rye, 11.8 bushels; emmer speltz, 11.50 bushels; and winter wheat, 11.30. Along with the return given by the milo maize, this shows a remarkable uniformity of yield in bushels per acre. All of these yields are strictly comparable with that of corn—13.60 bushels.

Potatoes Do Very Well.

"The Irish cobbler potato has out-yielded all other potatoes in tests covering three years. The best depth to plant in light sandy soil is from four to five inches. The best yields were obtained with rows spaced forty-two inches apart, and twenty-four inches in the row. The most profitable size of sets was medium quartered.

"Potatoes raised under ordinary conditions from seed that had been grown under a mulch yielded thirteen bushels per acre more than when grown from seed that had been produced in the ordinary way.

"Potatoes grown on light sandy soil under the mulch of six inches of hay, yielded 50 per cent more than when grown in the ordinary way.

"Scab and stem rot are the only potato diseases of importance that have come under observation at the sub-station. The formalin treatment has been applied with varying results. It is probably quite effective when the infection is confined to the seed alone, but the varying results obtained would seem to indicate that the disease is frequently communicated by the soil. In such a case the only remedy would seem to be a rotation of crops.

"For the Colorado beetle or potato bug, arsenate of lead has been found as effective as Paris green, and there is less danger of injuring the foliage of plants when using it.

How to Conserve Humus.

"Where a sufficient supply of manure is not available, or where owing to scarcity of moisture the ground is not capable of absorbing or assimilating sufficient manure, a rotation of crops is desirable in order to help maintain the humus or organic matter in the soil. Alternating hood crops with small grain helps. Many farmers practice a weed and corn rotation and claim success for this method.

"The best quick-growing varieties of trees are Norway poplar, cottonwood, and box elder, but the first two species are short-lived. Fast growing trees, such as cottonwood, box elder and poplar, should not be mixed with the slower growing varieties, but should be kept by themselves. Of the slower growing, deciduous trees, the American elm and the honey locust have done best; to these may be added the 'Russian

Instructions for Hay Fever Sufferers



Fig. 1—Wormwood Ragweed (ambrosia artemisiifolia) responsible with the great ragweed for 85 per cent of fall hay fever. More common in middle and northern states.

As August and September are the most serious months for hay fever, the American Hay Fever Prevention association has issued the following general instructions for hay fever sufferers:

"All cases of hay fever are due to the inhalation of pollen, the majority of these being due to useless weeds. The cases that develop before August are caused chiefly by the pollen of neglected grasses and of spring and summer-blooming weeds.

The principal causes of hay fever cases developing in the fall are the various forms of ragweeds, whose capacity for distributing pollen is measured by the hundred millions.

The most common forms of this weed are, the common ragweed (Ambrosia artemisiifolia) found in the greater part of the United States east of Kansas, the giant ragweed (Ambrosia trifida) growing in moist areas of this section, and the western ragweed (Ambrosia pilostachya) principally found west of Kansas. While the ragweeds are the chief

causes of fall hay fever, there are other weeds, such as the marsh elder (Iva axillaris), etc., which flower at this season, so that all weeds should be treated alike to insure safety against hay fever.

In order to avoid hay fever, persons susceptible to it should see that the neighborhood of their residence is free of tall grasses and weeds, and especially of the ragweeds. The squares in each direction should be inspected, and if weeds are found, the owners should be urged to have them cut at once. Where this is refused, these cases, in the interest of general sanitation, should be reported to the health authorities for violating the grass-weed ordinance. Where no such law exists, efforts should be undertaken to have such a law passed as soon as practicable.

In cases in which the above cannot be carried out, it is sometimes preferable to have the weeds in the immediate neighborhood cut at one's own expense than suffer the torture of a prolonged attack of hay fever from this neglect. It must be remembered, however, that pollen scatters rapidly when borne by the wind, and a single lot full of weeds in the same square may be more irritating than an acre at a distance of several squares.

Where the neighborhood cannot be cleared of hay fever weeds, the next consideration is a temporary change of residence. The American Hay Fever Prevention association is in constant receipt of letters inquiring for the best resorts for hay fever sufferers. The majority of mountain and sea side resorts, unfortunately, are infected with hay fever pollens, so that visits to these places in the hope of getting relief are usually disappointing. A careful investigation should always be made and, unless it is found that all weeds and high grasses are systematically cut, such places should be avoided.

As hay fever is due to pollen of neglected weeds, a temporary visit to a more central part of the home town, at sufficient distance (one-half mile) from such weeds, will usually give entire relief.

Persons susceptible to hay fever should avoid renting or buying property in a neighborhood with neglected grass and weeds. This practice would probably be of effective assistance in correcting such neglect.



Fig. 2—Great ragweed (ambrosia trifida), whose pollen is one of the chief causes of hay fever. Very abundant on the gulf coast.

Hay fever sufferers should avoid unnecessary exposure to pollen. Roads passing near sections full of grass and weeds while in bloom, are usually full of pollen which is inhaled with the dust. An hour of pleasant driving may therefore result in a night of suffering.

Constitutional conditions have been found to have little influence except as a predisposing cause. The real cause of hay fever is the inhalation of pollen, and the avoidance of this means no hay fever.

The prevention of hay fever is fundamentally a simple proposition. It means the enactment and enforcement of an ordinance to cut grass and weeds. The efficacy of this has been shown in New Orleans, La.; Asheville, N. C., and a number of other cities where hay fever is on the disappearing list. Another year should see similar effects in the majority of towns and cities.

W. SCHEPPEGRELL, M. D., President American Hay Fever Prevention Association.

County Tax Levy May Be Lowered, Says Frank Best

Frank Best, chairman of the Douglas County Board of Commissioners, says that the healthy condition of the road fund due to the new automobile tax may result in a decrease in the county tax levy to be made soon.

How much the decrease will be cannot predict, but the \$25,000 balance now on hand in the road dragging fund, and the fact that probably a smaller sum will be needed for bridges next year, will make it possible to do a little cutting.

Last year's complete county levy was 16.6 mills. It is certain the levy will not be increased, say county commissioners.

Should the levy be left at the same figure as last year the additional revenue available will be applied to the bond sinking fund, according to Best.

Threatens Copper With Gun And Gets Violent in Court

Robert Markley, charged with being insane, was arrested near the Savoy hotel by Detective Dolan after he had threatened the latter's life with a revolver. Markley became violent when arraigned in police court and with difficulty was removed from the room.

What the Theaters Offer for the Week

The great Westin, a wonderful impersonator of well known public characters, past and present, will be one of the foremost of attractions offered at the Empress theater today. He has originality and his Queen Victoria, George Washington, Theodore Roosevelt, Field Marshall French, General Joffre and others are impersonated. Featured in the same bill, a minstrel first part will be presented by the Seven American Minstrel Maids, an organization composed of a clever woman interlocutor and pretty maids, talented as to toes, voices and music. This act features

Krug Park 5 CENTS CAR FARE
A MULTITUDE OF ATTRACTIONS
DANCING ROLLER SKATING

Prisman's Orchestra
Giant Coaster Wonderland
Carry-Us-All Ferris Wheel
Frelch Penny Arcade
Ideal Picnic Grounds
Free Auto Garage
FREE MOTION PICTURES.

BEAUTIFUL MANAWA

MORE BEAUTIFUL THAN EVER

Free Band Concerts Afternoons and Evenings.

Motion Pictures—(the better kind)—Every Evening, FREE.

Bathing Boating Bowling
Dancing Various Riding Devices
And Many Other Attractions

Ideal Picnic Grove—Book Your Picnic Now.

Free Admission to Park—10c car fare from Omaha for adults; purchase round-trip tickets for children from conductors on Manawa cars at the rate of 15c each.

Municipal Band Concerts

Sunday Afternoon, July 23d

HANSCOM PARK
(Take East or West Side Park Cars.)

ELMWOOD PARK
Take West Leavenworth Cars.

Pat Foley Insists He is an American

Patrick Foley has spread a declaration of his Americanism upon the records of the Douglas county district court.

His wife, Emma, recently sued him for divorce, and alleged among other things that the couple couldn't agree because he was Irish and a strong supporter of the allies, while she was German.

Patrick, in answer to the petition, says that he is an American born citizen of Irish extraction. He also denies the claim of his wife that she is German, saying that she was born in the United States.

Foley also denies a claim made by his wife that she had been compelled to take up work as a janitress. He admits she worked in that capacity, but says she did it to satisfy "her whims and caprices."

Nebraska Grain Men Unable to Get Cars

Lincoln, Neb., July 22.—Numerous complaints have been received by the state railway commission to the effect that grain men are unable to obtain cars. New wheat is pouring into the elevators, many of them being full already.

BASE BALL OMAHA VS WICHITA ROURKE PARK TWO GAMES SUNDAY, JULY 23.
First Game Called at 2 p. m. Box Seats at Berkalov Bros.

two very clever comedians. Howe and Howe, the burlesque mind readers, add more light comedy to the bill, and George Yeomans, singing, talking and yodelling comedian of merit, and his reading of war reports, is always remembered wherever he has appeared. Altogether an offering which is up to the usual standard of the ever popular vaudeville theater.

Edward Lynch and associate players will present for the farewell week of their engagements at the Brandeis "The Devil." This piece enjoys the reputation of being the most successful play ever presented in Omaha by a stock company. In "The Devil" Mr. Lynch will portray one of the strongest characterizations he has ever attempted in Omaha. The piece

BRANDEIS THEATRE

FAREWELL WEEK

EDWARD LYNCH AND ASSOCIATE PLAYERS

EVERY EVENING MATINEES Wednesday and Saturday

IN A HOT ONE "THE DEVIL"

BALCONY, 10c—ORCHESTRA, 25c
Company Closes Saturday Evening, July 29th.

itself is undoubtedly one of the cleverest comedy dramas ever written, being a concoction of satire, comedy with a dramatic vein dominating at all times. It also offers Miss Dale an opportunity of showing the full strength of her dramatic talent. There is reason to believe that the admirers of Mr. Lynch and his associate players will turn out in goodly numbers to bid them farewell on this the last week of the engagement at the Brandeis for the season.

Seven Men Hurt By Powder Explosion

Kenil, N. J., July 22.—Seven employees of the Hercules Powder company were injured early today in an explosion at the plant's "dry" house. The company denied reports that a number of workmen were killed. It is said the injured would recover.

EMPRESS

NEW SHOW TODAY

VAUDEVILLE AND PHOTOPLAYS

CONTINUOUS FROM 11 TO 11

The GREAT WESTIN Impersonations of Great Men Past and Present.

SEVEN AMERICAN MINSTRELS

PRESENTING AN UP-TO-DATE MINSTREL FIRST PART

HOWE & HOWE Burlesque Mind Readers.

10c Admission
Reserved Seats 20c

COOL CLEAN COMFORTABLE



Should the Daughter Who Sins Be Forgiven?

She erred! She fell prey to the evils of Society. Should the black stain of her sin be erased and forgotten? Should her repentance earn forgiveness? Or should Society continually point to her as a scarred soul?

The National Issue is This: Republicans and Democrats may differ as to the questions of Preparedness, Tariff Revision and Woman's Suffrage. But all parties, all candidates and all statesmen agree that, after all, Humanity—its problems and its dangers—is the big national issue today. "Is Humanity In The Grip Of Evil?" is the startling question that has presented itself.

The Nation's Leaders Have Expressed Their Opinion On This Great Question

WHAT DO YOU SAY? Do you believe that despite the apparent trend of the world toward all that is base and ignoble, all that is hypocrisy and deceit, God and Right will eventually triumph? Perhaps you can better decide after seeing

PATHE'S Mightiest Film Spectacle

THE GRIP OF EVIL

By Louis Tracy
A MASTER PLOT IN 14 EPISODES
Featuring Jackie Saunders and Roland Bottomley

John Burton, the hero of this great continued picture story, inherits a fortune and goes forth to discover whether or not evil is really on the increase. Go with him in his search. See him probe into the schemes of grafting politics. See him study the problem of the poor as well as the rich. See him expose sham and deceit in business circles, in society life and in the home. "The Grip of Evil" is a master plot in fourteen episodes showing the real side of Humanity. It is the first of the big features in the \$5,000,000 Pathe Serial Program.

NOW!—At These Theatres:

GEM THEATER, July 18.
BESSE, South Side, July 19.
ROHLF THEATER, July 21.
THE GRAND THEATER, July 25.
ALHAMBRA AND FAVORITE, Soon.

OLYMPIC THEATER, Sioux City, Iowa, July 22-23.
GEM THEATER, Sioux City, Ia., Aug. 3.
LOTHROP THEATER—Coming Soon.

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