



**Light Biscuit**  
**Delicious Cake**  
**Dainty Pastries**  
**Fine Puddings**  
**Flaky Crusts**

**ALFALFA EXPERIENCES.**  
 (State University Bulletin No. 16.)

During the winter of 1902 a list of between 600 and 700 successful alfalfa raisers in this state was collected, and to each was sent a report blank calling for a definite statement regarding a number of the process he employed in obtaining his stand of alfalfa, and also regarding his subsequent care of the crop. More than five hundred satisfactory replies were received, representing eighty counties in the state. A study of this large number of reports from successful alfalfa raisers gives some valuable information respecting alfalfa culture.

There were 228 stands reported upon upland, and 237 upon bottom land. Even in the western portion of the state the amount of alfalfa on the upland is shown to be considerable, and very satisfactory results are evidently obtained, although naturally the yields of hay are smaller than on the bottom lands of that region. In the eastern part of state somewhat heavier yields appear to be obtained from bottom land, but loss from winter killing or other cause is greater. Twenty-three reports state that upland is more satisfactory than bottom land. These come principally from the eastern portion of the state or the irrigated land of the western portion.

An astonishing feature of the replies is the large amount of alfalfa that they show to be growing on land with clay subsoil. Sandy clay, clay loam, clay and lime, etc., were not counted as clay. In spite of this situation, 245 clay or gumbo subsoils are reported. A clay or even a gumbo subsoil does not appear to be a barrier to successful alfalfa culture.

The seed bed was prepared by

plowing and further working in 373 cases, and by discing or cultivating in 75. Among the latter is one method that appears to be popular and satisfactory. This consists in thoroughly discing corn land after all trash has been removed from the field. In the western part of the state there are a number of good stands of alfalfa obtained by breaking prairie sod, discing it, and harrowing in the seed. The latter commends itself as an easy way of supplementing the native grasses in pastures. The tendency to dispense with plowing on unirrigated land increases with the distance westward from the Missouri.

A study of the dates of sowing alfalfa seed in the spring shows a range from early March to late June, although where advice was volunteered it was practically unanimous in favor of early sowing. There were only eight reports of summer or fall sowing, of which one was sown in July, four in August, and three in September.

In 108 cases a nurse crop was used, while in 393 cases the alfalfa seed was sown without that or any other crop. The use of the nurse crop was largely confined to extreme eastern Nebraska and the irrigated land of the west. Many persons who used a nurse crop say that they would not do so again. It has been recommended to use a light seeding of small grain, sown earlier or with the alfalfa, to prevent damage by severe winds. When sown in this way the nurse crop is mown when eight or ten inches high, to prevent it smothering the alfalfa.

In 55 cases the seed was put in with a drill, and in 447 cases it was sown broadcast. This is at least an indication that if a drill is not available a satisfactory stand can be obtained by broadcasting and harrowing in, provided the other conditions are favorable.

There were 138 reports of less than twenty pounds of seed per acre being used, and 336 reports of twenty pounds or more being sown. The evidence seems to be in favor of the use of at least twenty pounds of seed per acre.

Of the persons replying to the inquires, 221 have stands of alfalfa that yield more than four tons of cured hay per acre each season, while 157 do not get as much as four tons of hay per acre.

Of persons having practiced discing alfalfa in the spring or at other times, 138 report that beneficial results have been obtained, while seven report that discing has been ineffective or injurious. By discing alfalfa is meant going over it in the spring with a disc harrow before growth starts, or during summer immediately after cutting for hay. It is customary to set the discs at a slight angle. This cuts the crown root and stirs the soil. Some of the correspondents prefer harrowing to discing. Where positive objection was made to discing, it was based on the claim that it caused the crowns to become diseased. The great bulk of the evidence was, however, in favor of discing.

Of the persons who have manured alfalfa, either by plowing in the manure immediately before seeding or by spreading it on the field after a stand had been obtained, 110 obtained beneficial

results and 13 found it to be ineffective or injurious. Objections are based on the claim that plowing in manure causes the soil to dry out, but objections to spreading manure on alfalfa are rather indefinite in their nature, except that on low land it makes the growth too rank, and the alfalfa falls down. Many of those who advocate its use specify that the manure should be rotted and fine. One man suggests harrowing after spreading, to fine it. The reports of beneficial results from plowing under manure come largely from the eastern portion of the state, but the use of fine manure applied as a top dressing has proven beneficial in all parts.

T. L. LYON.

**ORTELLO.**

Ed. Day and wife were in Ortello Saturday.

J. T. and W. T. Davis were at Broken Bow the first of the week.

Albert Hill and Bert Waddington were at C. H. Zachry's Sunday.

The ladies will give an ice cream social at the school house, May 1st.

Mr. Hipsley and Miss Widaman attended church here Sunday night.

Rev. Strickley preached to a congregation of about sixty people Sunday night.

F. L. Beals and J. A. Kellenbarger took their cattle to the ranch the first of the week.

C. W. Fodge of Broken Bow, spent Friday night with his brother J. M. Fodge.

Mr. and Miss Empfield were Ortello visitors Saturday. They attended the play at Anselmo, while here.

Some of those who attended the Home Talent Saturday night were Misses Hill, Hunt, Day, Johnson, Waddington and Ahsah Hunt; Messrs. Ashbaugh, Waddington, Day, Hughes and Johnson. They report the play a success. A second performance will be given at Ortello, May 2nd.

**ROUND VALLEY.**

S. K. Lee is kept busy fixing plows and lists for corn planting.

The Round Valley ball team are playing every Sunday afternoon now.

Ole Moe left Saturday for Big Timber, Montana where he expects to work the coming summer season.

W. A. Dillavou has already planted twenty acres of corn on Wood's place. He commenced on the 14th.

A grand surprise party was given at J. Olsons on the 17, by friends and neighbors in honor of Mrs. Olson's 70th birthday.

Deputy Sheriff C. U. Richardson passed through the valley Monday. We all breathed easier when we saw he did not make a stop in the valley.

N. K. Lee left the valley last Sunday for John Taylor's near Berwyn to build an addition to Mr. Taylor's dwelling. Miss Guro Ottan went along to work for Mrs. Taylor while they are building.

Sunday morning at 9 o'clock the first

message was transmitted over the West Union and Broken Bow telephone line from the Commercial Hotel, in Broken Bow to Round Valley. Wm. Montgomery had the honor of talking over it first, then followed S. K. Lee, then N. K. Lee, then after the proprietor of the Commercial.

**OUR EXCHANGES**

(Callaway Courier.)  
 We understand that William Stevens, who is working in Broken Bow, will move his family to that city in the near future.

Dr. Mallins, of Broken Bow, was called here on Monday, and successfully performed a minor surgical operation on the person of Mrs. Dr. McNulty.

(Callaway Tribune.)  
 Geo. Mair, Will Shupp and F. L. Haycock made a trip to the Bow Thursday the two latter as witnesses for Mair in proving up on his homestead.

City Editor Barnard of the Courier, represented Callaway at the editorial meeting at the Bow Monday evening and reports having a fine time and that the association is making arrangements to take a trip to the Yellowstone park this summer for a couple weeks outing.

(Herald Tribune.)  
 Theo. Bayerhoffer, of Broken Bow, after visiting with Mr. Brennemann and family returned Friday evening.

Attorney Gutterson, of Broken Bow attended to the legal part, for E. R. Smith, in the settling of accounts, as administrator Tuesday.

(Ansley Citizen.)  
 Mrs. S. M. Hinkle departed on Tuesday morning's train for Fremont to join her husband who went overland with a team a week ago. Mr. and Mrs. Hinkle will make their future home near Fremont.

Geo. Richtmyer, ex-county clerk of Custer county, is visiting his brother, Mark, this week. Mr. Richtmyer is living at Omaha and is here to look after his real estate interests, also to dispose of his 1901 corn crop of which he has 1500 bushels still on hand.

(Mo. na Round Up.)  
 R. J. Kelly left last Saturday

morning for Omaha and Chicago where he will try and interest eastern parties in Custer county real estate. Mr. Kelly has a great many good farms listed with him and if any one can sell real estate he can. He will be absent about ten days.

**Wisley Breaks Out in a New Spot.**

The Ashton News is a new publication just started and has for its publisher and editor-in-chief J. C. L. Wisley, and for its local editor, John F. Smith. It is a neat and newsy paper and is well patronized by the business men of the town. The paper as published last week did not define its politics but judging from the fact that both its editors are of the socialist persuasion we should think that in due time it will naturally drift in that channel. Mr. Wisley is now located at Sargent, Neb., and is editor of the New Era, a red hot socialist paper. The Ashton News is his third or fourth venture in establishing a few publications on the side, which have, so far as fully developed, proved to be of the socialist order.—Loup City Northwestern.

Lubricating oils of all kinds at Wilkin's drug store.

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**BLACK PERCHEON BRYLANDO**—Pedigreed; weight, 5,000 pounds. Service fees, \$5 to \$12.

**LOREINE MAINE**—High Grade Percheon; weight, 1,800 pounds.

**LOGAN**—Five years old; brown; High Grade Shire; weight, 1,600 pounds.

**FOX**—Eight years old; bay; High Morgan and Gypsy; weight, 1,300 pounds.

**PHINCE**—Seal brown; pacer and trotter; weight 1,125 pounds.

The Four Grade Serv. Fee \$3.00 to \$8.00.

Come and see

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**INDEPENDENCE** is a Mammoth Jack, 3 years old July 4th, 1902, and is the largest, best bonded Jack of his age in these parts; a good performer and sure breeder. Service fees, \$5 to \$12.

**COLONEL** is a Black Spanish Jack with mealy nose and light points and a fine breeder of stylish mules. Service fees from \$5 to \$5.

**DUDE** is a Mammoth Jack, rather small, but a great breeder of large, stylish mules. Will sell him for \$200 if taken soon, if not, he will go on the stand.

There is no better investment than breeding mules as the market is taking any age. They are scarce and they will go higher.

They will make the season of 1902 at the old Star Breeding Barn, north of railroad, Broken Bow, Nebraska. Come and see our stock before breeding. We are here for business and to sell.

**W. J. WANTZ,**  
 Principle Owner and Manager.

**CLEARING UP SALE ON HARNESS.**

For the last three years I have been over-stocked on farm harness. This fact puts me in a position to sell all harness at 10 per cent. less than the market value. I have a good farm harness at the surprisingly low price of \$20.00, worth \$22.00, and at \$21.00, worth \$23.50. Others at the same low value up to \$30.00.

**New Line of Farm Implements.**

Sulkey plows, Disc harrows, Steel pipe harrows, Acme and Champion mowers, Grand Island Hog fence, Barb wire, Nails, Cutlery, Cook stoves, and Quick Meal ranges, Tinware, and a complete line of shelf hardware.

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 Repairing of all kinds done in first-class manner. Plow work and horse shoeing a specialty. Remember the location—the new shop west of Commercial Hotel.

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**Physician & Surgeon.**  
 Office in rear of the Bank of Commerce. Residence 6th house west of the Baptist church. Broken Bow, Nebraska.

**S. M. DORRIS,**  
**Blacksmith.**  
 All kinds of work in our line done promptly and in first-class order. Red Shop on the corner west of the horse house.  
 GIVE US A TRIAL.  
 Broken Bow, Nebraska.

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**Physician & Surgeon.**  
 2nd Streetway from west end in Realty Block; residence, 2nd west to E. church, on same side of street. Broken Bow, Nebraska.

**BAKER'S POOL HALL,**  
 W. E. BAKER, Prop.  
 For a social game of pool, south of Republican Office, Broken Bow, Nebraska.

**CITY BARBER SHOP,**  
 B. O. HUTTON, Proprietor.  
 First-class work. Rear Room of Broken Bow State Bank, Broken Bow, Nebraska.

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**Attorney-at-Law,**  
 Broken Bow, Nebraska.

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 Dealer in Granite, Foreign and American Marbles. Ornamental Work a Specialty.  
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**Osteopathic Physician.**  
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I have had occasion to use your Black-Draught Stock and Poultry Medicine and am pleased to say that I never used anything for stock that gave half as good satisfaction. I heartily recommend it to all owners of stock.

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Sick stock or poultry should not eat cheap stock food any more than sick persons should expect to be cured by food. When your stock and poultry are sick give them medicine. Don't stuff them with worthless stock foods. Unload the bowels and stir up the torpid liver and the animal will be cured, if it be possible to cure it. Black-Draught Stock and Poultry Medicine unloads the bowels and stirs up the torpid liver. It cures every malady of stock if taken in time. Secure a 25-cent can of Black-Draught Stock and Poultry Medicine and it will pay for itself ten times over. Horses work better. Cows give more milk. Hogs gain flesh. And hens lay more eggs. It solves the problem of making as much blood, flesh and energy as possible out of the smallest amount of food consumed. Buy a can from your dealer.

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**A Comic Drama in Two Acts.**  
 SCENE—An English Village.  
 PERIOD—Fifty Years Ago.

**CASTE.**

Mrs. Robinson, aged 40..... Mrs. Willis's Executrix

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**Frances Wilson.**

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**Jeanne Sullivan.**

**RECITATIONS**  
 By other members of the society.

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