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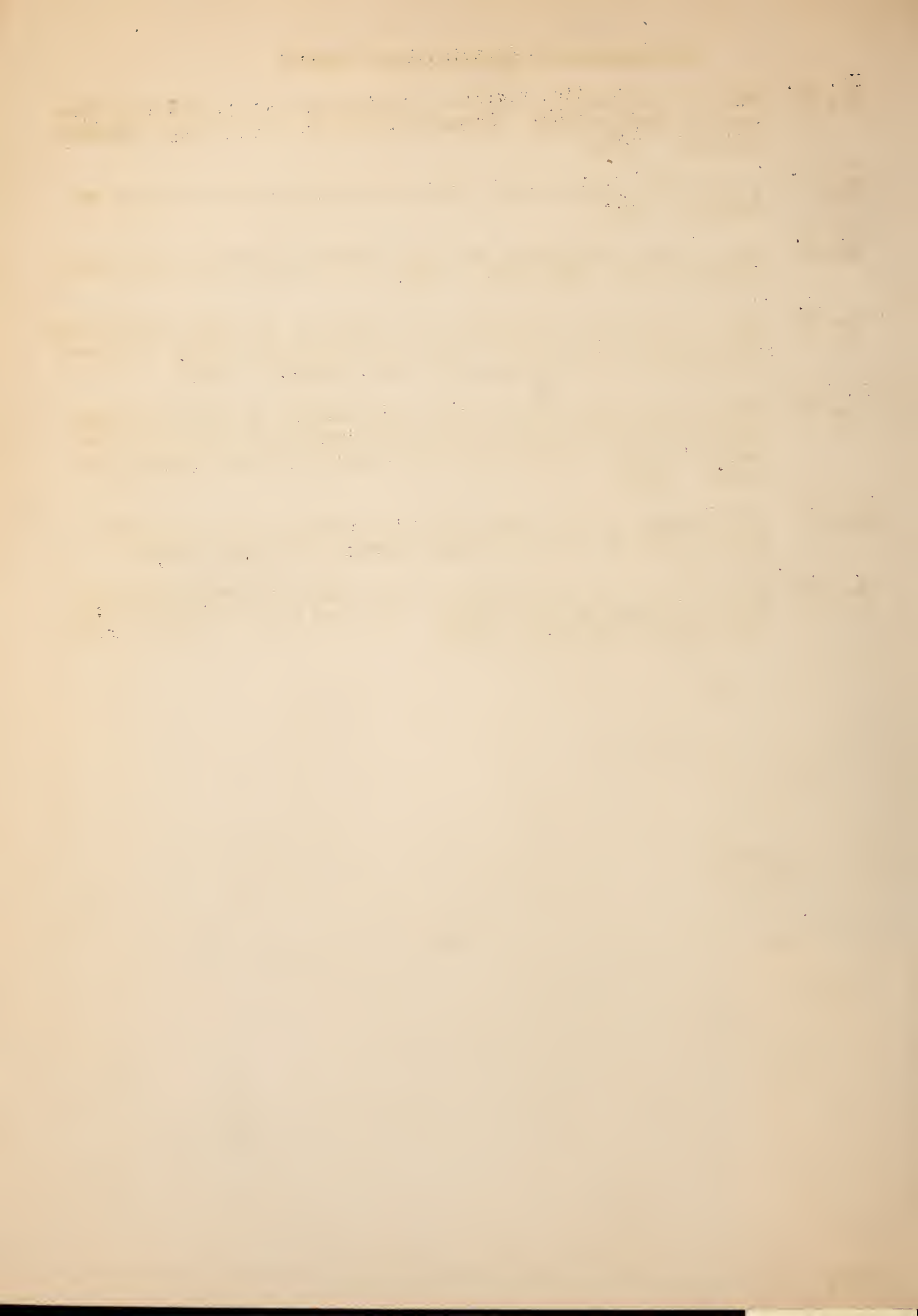
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CATTLE, SHEEP AND GOAT PRODUCTION IN THE RANGE COUNTRY

A selected list of publications issued by the U. S. Department of Agriculture and the Agricultural Colleges, Experiment Stations and Departments of Agriculture of the seventeen range states

Compiled by

Emma B. Hawks, Associate Librarian of the Department
in collaboration with

Earl W. McComas, Associate Animal Husbandman,
Bureau of Animal Industry.

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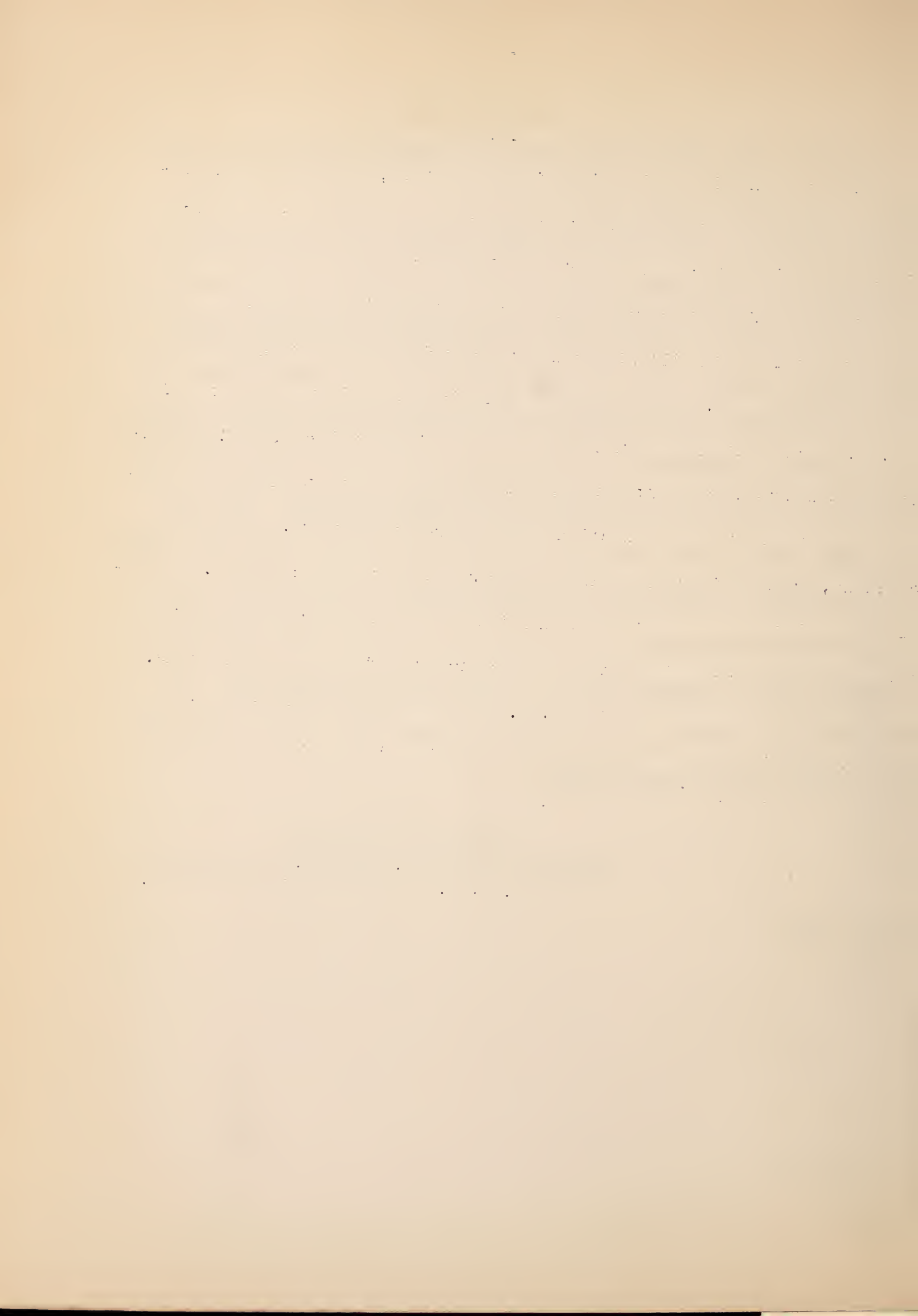


P R E F A C E

The following list of publications on cattle, sheep and goat production in the range country was prepared at the request of the Animal Husbandry Division of the Bureau of Animal Industry and the Division of Farm Management of the Bureau of Agricultural Economics, which felt the need of such a list for distribution particularly to the county agents in the western states. The aim has been to include all publications of the U. S. Department of Agriculture and the agricultural colleges, experiment stations and departments of agriculture of the seventeen range states which would be useful in connection with the range industry. With two exceptions, publications from other sources have not been included. Publications previous to 1900 have been omitted except in the case of a few notable contributions which have not been superseded by later bulletins. Articles in annual reports of the U. S. Department of Agriculture, the Bureau of Animal Industry, and the state stations have not been included unless issued also in separate form.

Claribel R. Barnett,
Librarian, U. S. Department of Agriculture.

October, 1928.



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CATTLE, SHEEP AND GOAT PRODUCTION IN THE RANGE COUNTRY

A selected list of publications

I. BREEDS AND BREEDING

1. General

- Essentials of animal breeding. G. M. Rommel. 1924. 30 p. U. S. Dept. Agr. Farmers' Bul. 1167, rev.
- Principles of livestock breeding. Sewall Wright. 1923. 68 p. U. S. Dept. Agr. Bul. 905, rev.
- Some tested methods for livestock improvement. D. S. Burch. 1925. 20 p. U. S. Dept. Agr. Misc. Circ. 33.
- Utility value of purebred livestock. D. S. Burch. 1922. 22 p. U. S. Dept. Agr. Dept. Circ. 235.

2. Beef Cattle

- The beef calf; its growth and development. E. W. Sheets. 1924. 29 p. U. S. Dept. Agr. Farmers' Bul. 1135, rev.
- Brahman (Zebu) cattle. V. V. Parr. 1923. 21 p. U. S. Dept. Agr. Farmers' Bul. 1361.
- Breeds of beef cattle. E. W. Sheets. 1924. 22 p. U. S. Dept. Agr. Farmers' Bul. 612, rev.
- Conformation of beef and dairy cattle. A. M. Soule. 1902. 44 p. U. S. Dept. Agr. Farmers' Bul. 143.
- Dual-purpose and beef cattle, comprising lessons IV-VI, inclusive, animal husbandry extension course for boys' and girls' clubs. C. A. Norcross. 19 p. Nev. Coll. Agr. Ext. [Bul.] 3.
- The Range bull. C. U. Pickrell. 1925. 48 p. Ariz. Coll. Agr. Ext. Circ. 51.
- Studies in inheritance of certain characters of crosses between dairy and beef breeds of cattle. J. W. Gowen. 1918. U. S. Dept. Agr. Jour. Agr. Research, 15: 1-58 (Me.-12)
- Type in beef calves. F. S. Hultz. 1927. p. 70-94. Wyo. Agr. Expt. Sta. Bul. 153.
- Type in two-year old beef steers. F. S. Hultz. 1927. p. 125-148. Wyo. Agr. Expt. Sta. Bul. 155.

I. BREEDS AND BREEDING (Cont'd)

3. Sheep

- Breeds of sheep for the farm. F. R. Marshall. Rev. by D. A. Spencer. 1925. 14 p. U. S. Dept. Agr. Farmers' Bul. 576, rev.
- I. A Comparison of Cotswold and Southdown grade lambs. II. Fattening rations for aged ewes. A. D. Faville. 1912. 15 p. Wyo. Agr. Expt. Sta. Bul. 95.
- Domestic breeds of sheep in America. E. L. Shaw and L. L. Heller. 1914. 59 p. U. S. Dept. Agr. Bul. 94.
- Family performance as a basis for selection in sheep. E. G. Ritzman and C. B. Davenport. 1917. U. S. Dept. Agr. Jour. Agr. Research, 10: 93-97. (N.H.-3)
- Fertility in Shropshire sheep. Elmer Roberts. 1921. U. S. Dept. Agr. Jour. Agr. Research, 22: 231-234. (Ill.-11)
- Improved types of sheep for the Southwest, by F. W. Wilson; with a chapter on the sheep of Tunis and Algeria, by A. E. Vinson. 1912. p. 621-654. Ariz. Agr. Expt. Sta. Bul. 69.
- Inheritance of characters in sheep. A. E. Darlow. [1925] 15 p. Okla. Agr. Expt. Sta. Bul. 153.
- Karakul sheep. F. R. Marshall, L. L. Heller, and V. O. McWhorter. 1916. U. S. Dept. Agr. Yearbook, 1915, p. 249-262. (Y. B. Sep. 673)
- Scrub vs. purebred ram. A. E. Darlow. [1925] [4] p. Okla. Agr. Expt. Sta. Bul. 151.
- Sheepbreeding experiment; inheritance of characters in sheep. S.F. Russell. 1919. 22 p. Okla. Agr. Expt. Sta. Bul. 126.

II. CLIMATE

- Climate in relation to crop adaptation in New Mexico. C. E. Linney and Fabian Garcia. 1918. 132 p. N. M. Agr. Expt. Sta. Bul. 113.
- The Climate of Nebraska. G. A. Loveland. 1923. [16] p. Nebr. Coll. Agr. Ext. Circ. 14.
- Native vegetation and climate in their relation to agriculture. W. W. Robbins. 1917. 58 p. Colo. Agr. Expt. Sta. Bul. 224.
- Relation of sheep to climate. E. L. Johnson. 1925. U. S. Dept. Agr. Jour. Agr. Research, 29: 491-500. (Ill.-20)

III. DISEASES AND THEIR CONTROL
(See also XII. Poisonous Plants, p. 58)

1. General

- Directions for preparation of veterinary specimens for examination. M. Francis. 1916. 7 p. Tex. Agr. Expt. Sta. Circ. 16.
- Diseases of Colorado feeding lambs. I. E. Newcom and Floyd Cross. 1925. 26 p. Colo. Agr. Expt. Sta. Bul. 305.
- Diseases of sheep. B. A. Gallagher. 1921. 39 p. U. S. Dept. Agr. Farmers' Bul. 1155.
- Diseases of the stomach and bowels of cattle. A. J. Murray. Rev. in 1904 by Leonard Pearson and in 1908 by R. W. Hickman. 1909. 10 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 68.
Reprinted with slight changes from Special report on the diseases of cattle rev. ed., 1908.
- Instructions for preparing and shipping pathological specimens for diagnosis. G. H. Hart. 1908. 10 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 123.
Reprinted from 23d Annual report of Bureau (1906)
- Preparation and shipment of specimens for laboratory diagnosis. H. F. Lionhardt. 1920. 11 p. Kans. Agr. Expt. Sta. Circ. 83.
- Relations of federal government to control of contagious diseases of animals. D. E. Salmon. 1904. U. S. Dept. Agr. Yearbook, 1903, p. 491-506. (Y. B. Sep. 303)
- Simple live stock remedies. E. H. Lehnert. 1918. [4] p. Wyo. Agr. Expt. Sta. Circ. 13.
- Some common diseases of farm animals. Hugh Hurst. N. M. Coll. Agr. Ext. Circ. 79.
- Special report on diseases of cattle. Rev. ed. [Pub. by Bureau of animal industry, U. S. Dept. of agriculture] 563 p. 1923.
- State sanitary requirements governing admission of live stock. Comp. from reports of accredited officials of each state. 1922. 77 p. U. S. Dept. Agr. Bur. Anim. Indus. [Doc.] A. I. 36, rev.
- Ways to save young livestock. 1927. 5 p. U. S. Dept. Agr. Leaflet. 1.

III. DISEASES AND THEIR CONTROL (Cont'd)

2. Abortion

- Abortion-bacterin treatment of cows having udders infected by Bacterium abortus. J. M. Buck and G. T. Creech. 1926. U. S. Dept. Agr. Jour. Agr. Research, 31: 663-684. (A-100)
- Abortion disease in Wyoming. Cecil Elder. 1922. 11 p. Wyo. Agr. Expt. Sta. Circ. 18.
- Abortion disease of cattle. G. H. Glover. 1921. 11 p. Colo. Agr. Coll. Ext. Bul. 175-A.
- The Abortion problem in farm live stock. L. Van Es. 1923. 46 p. Nebr. Agr. Expt. Sta. Circ. 21.
- Bacterium abortus infection of bulls. Preliminary report. J. M. Buck, G. T. Creech, and H. H. Ladson. 1919. U. S. Dept. Agr. Jour. Agr. Research, 17: 239-246. (A-49)
- The bacterium of contagious abortion of cattle demonstrated to occur in milk. A. D. Melvin. 1912. 3 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 198.
- Bovine infectious abortion and associated diseases of cattle and new-born calves. I. Methods of controlling abortion, by G. H. Hart. II. The importance of Bacterium abortum of Bang and other microorganisms in bovine infectious abortion, by Jacob Traum. III. Manifestations of abortion disease without demonstrable etiological factor, by Jacob Traum and G. H. Hart. IV. Diseases of the genital tract of cattle frequently associated with abortion, by F. M. Hayes. V. The diagnosis of pregnancy in cattle, by G. H. Hart. VI. Scours and pneumonia in calves, by G. H. Hart and Jacob Traum. 1923. p. 267-397. Calif. Agr. Expt. Sta. Bul. 353.
- Contagious abortion in cows. J. W. Kalkus. 1915. [4] p. Wash. Agr. Expt. Sta. Pop. Bul. 94.
- Contagious abortion in mares and cows. H. J. Frederick. 1918. 18 p. Utah Agr. Expt. Sta. Circ. 28.
- Contagious abortion of cattle. Howard Welch. 1917. p. 41-43. Mont. Agr. Expt. Sta. Circ. 61.
- The Granular venereal disease and abortion in cattle. W. L. Williams. 1914. 57 p. U. S. Dept. Agr. Bul. 106.
- Infectious abortion in sheep; a preliminary report. Howard Welch and Hadleigh Marsh. 1925. 4 p. Mont. Agr. Exp. Sta. Bul. 181.
- Infectious abortion investigations. H. F. Lienhardt, C. H. Kitselman, and C. E. Sawyer. 1925. 23 p. Kans. Agr. Expt. Sta. Tech. Bul. 14.

III. DISEASES AND THEIR CONTROL (Cont'd)

2. Abortion (Cont'd)

- Infectious abortion of cattle. B. T. Simms and F. W. Miller. 1922. 12 p. Oreg. Agr. Expt. Sta. Bul. 192.
- Infectious abortion of cattle. J. M. Buck. 1927. 14 p. U. S. Dept. Agr. Farmers' Bul. 1536.
- Infectious abortion of cattle. C. H. Kitselman. 1928. 11 p. Kans. Agr. Expt. Sta. Circ. 1536.
- The Internal use of carbolic acid for the prevention of contagious abortion in cattle, with some notes on the relation of granular vaginitis to abortion. W. J. Taylor. 1912. 31 p. Mont. Agr. Expt. Sta. Bul. 90.
- Some facts about abortion disease. E. C. Schroeder and W. E. Cotton. 1917. U. S. Dept. Agr. Jour. Agr. Research, 9: 9-16. (A-29)
- Studies relating to the immunology of bovine infectious abortion. J. M. Buck and G. T. Creech. 1924. U. S. Dept. Agr. Jour. Agr. Research, 28: 607-642. (A-90)

3. Actinomycosis

- Actinomycosis, or lumpy jaw. D. E. Salmon and Theobald Smith. Rev. by D. E. Salmon and J. R. Mohler. [1906] 10 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 96.
Reprinted, with slight revision, from Special report on diseases of cattle, 1904.

4. Anthrax

- Anthrax. W. B. Mack. 1911. 11 p. Nebr. Agr. Expt. Sta. Circ. 13.
- Anthrax in cattle, horses, and men. D. E. Salmon and Theobald Smith. Rev. in 1904 by Drs. Salmon and Mohler. [1905] 10 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 71.
Reprint from Special report on the diseases of cattle, 1904; Special report on diseases of the horse, 1903.
- Anthrax or charbon. H. J. Washburn. 1922. 16 p. U. S. Dept. Agr. Farmers' Bul. 784.

5. Blackleg

- Blackleg. Edward Records. 1918. 7 p. Nev. Coll. Agr. Ext. [Bul.] 18.
- Blackleg and its control. L. W. Goss. 1919. [4] p. Kans. Agr. Expt. Sta. Circ. 75.
- Blackleg in cattle. Howard Welch. 1923. 8 p. Mont. Agr. Expt. Sta. Circ. 110.

III. DISEASES AND THEIR CONTROL (Cont'd)

5. Blackleg (Cont'd)

- Blackleg; its nature, cause and prevention. J. R. Mohler. 1923. 13 p. U. S. Dept. Agr. Farmers' Bul. 1355.
- Blackleg; with new methods for its prevention and treatment. G. H. Hart. 1918. 8 p. Calif. Agr. Expt. Sta. Circ. 205.
- Blackleg vaccines: their production and use. J. P. Scott. 1923. 24 p. Kans. Agr. Expt. Sta. Tech. Bul. 10.
- The Essentials of blackleg prevention. L. Van Es. 1920. 7 p. Nebr. Coll. Agr. Ext. Bul. 59.
- Prevention of blackleg. G. H. Glover. 1921. 4 p. Colo. Agr. Coll. Ext. Bul. 182-A.

6. Brisket Disease

- Brisket disease. G. H. Glover and I. E. Newsom. 1917. 8 p. Colo. Agr. Expt. Sta. Bul. 229.
- Further studies on brisket disease. G. H. Glover and I. E. Newsom. U. S. Dept. Agr. Jour. Agr. Research, 15: 409-414. (Colo.-2)

7. Cattle Fever and Cattle Ticks

- The Action of arsenical dips in protecting cattle from infestation with ticks. H. W. Graybill. 1913. 27 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 167.
- The Analysis of coal-tar creosote and cresylic acid sheep dips. R. M. Chapin. 1908. 35 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 107.
- Cattle-fever ticks and methods of eradication. W. P. Ellenberger and R. M. Chapin. 1926. 21 p. U. S. Dept. Agr. Farmers' Bul. 1057, rev.
- Directions for constructing vats and dipping cattle to destroy ticks. H. W. Graybill and W. P. Ellenberger. 1915. 22 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 207.
- Eradicating cattle ticks in California. W. M. MacKellar and G. H. Hart. 1911. p. 282-300. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 174.
- How to get rid of cattle ticks. [1906] 4 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 97.
- How to get the last tick; observations resulting from active field experience in tick eradication. W. M. MacKellar. [Pub. by Bur. Anim. Indus. U. S. Dept. Agr.] 1922. 20 p.

III. DISEASES AND THEIR CONTROL (Cont'd)

7. Cattle Fever and Cattle Ticks (Cont'd)

Information concerning the North American fever tick, with notes on other species. W. D. Hunter and W. A. Hooker. 1907. 87 p. U. S. Dept. Agr. Bur. Ent. Bul. 72.

Investigations relative to arsenical dips as remedies for cattle ticks. B. H. Ransom and H. W. Graybill. 1912. 65 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 144.

Note on the occurrence of the North American fever tick on sheep. W. D. Hunter. 1907. 3 p. U. S. Dept. Agr. Bur. Ent. Circ. 91.

Progress and prospects of tick eradication. Cooper Curtice. 1912. p. 255-265. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 187. Reprinted from the 27th Annual report of Bureau (1910)

Some results of cattle-tick eradication. 1912. 4 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 196.

Some unusual host relations of the Texas fever tick. B. H. Ransom. [1906] 8 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 98.

State laws and court decisions relating to cattle-tick eradication. Comp. by Harry Goding. 1921. 71 p. U. S. Dept. Agr. Dept. Circ. 184.

The Story of the cattle fever tick; what every southern child should know about cattle ticks [Rev.] [Pub. by U. S. Dept. of Agriculture] 1922. 31 p.

Studies on the biology of the Texas-fever tick. H. W. Graybill. 1911. 42 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 130.

Studies on the biology of the Texas-fever tick. H. W. Graybill and W. M. Lewallen. (Supplementary report) 1912. 13 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 152.

Texas or tick fever. J. R. Mohler. 1926. 20 p. U. S. Dept. of Agr. Farmers' Bul. 569, rev.

The Tick primer. [Pub. by U. S. Dept. Agriculture] 1915. 7 p.

III. DISEASES AND THEIR CONTROL (Cont'd)

8. Foot-and-Mouth Disease

Foot-and-mouth disease. J. R. Mohler. 1926. 13 p. U. S. Dept. Agr. Farmers' Bul. 666, rev.

Foot-and-mouth disease, with special reference to the outbreak of 1914. J. R. Mohler. 1924. 32 p. U. S. Dept. Agr. Dept. Circ. 325.

Foot-and-mouth disease, with special reference to the outbreaks in California, 1924, and Texas, 1924 and 1925. J. R. Mohler. 1926. 83 p. U. S. Dept. Agr. Dept. Circ. 400.

Instructions for employees engaged in eradicating foot-and-mouth disease. Pub. by Bur. Anim. Indus., U. S. Dept. Agr. 1925. 31 p.

The origin of the recent outbreak of foot-and-mouth disease in the United States. J. R. Mohler and M. J. Rosenau. 1909. 29 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 147.

Reissued in 1915 as an unnumbered publication.

Report of the foot-and-mouth disease commission of the United States Dept. of Agriculture. P. K. Olitsky, Jacob Traum, and H. W. Schoening. 1928. 172 p. U. S. Dept. Agr. Tech. Bul. 76.

9. Foot-rot of Sheep

Foot-rot of sheep; its nature, cause and treatment. J. R. Mohler and H. J. Washburn. 1904. 39 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 63.

An abstract of this bulletin was published in the Annual report of the Bureau (for 1904) and as its Circular 94.

10. Goitre

The Prevention of goitre (big-neck) and hairlessness of newborn domestic animals. J. W. Kalkus. 1919. 12 p. Wash. Agr. Expt. Sta. Pop. Bul. 117.

A Study of goitre and associated conditions in domestic animals. J. W. Kalkus. 1920. 48 p. Wash. Agr. Expt. Sta. Bul. 156.

11. Hemorrhagic Septicemia

Hemorrhagic septicemia. H. J. Washburn. 1918. 11 p. U. S. Dept. Agr. Bul. 674.

Much of the same material issued also as Farmers' Bul. 1018.

III. DISEASES AND THEIR CONTROL (CONT'D)

11. Hemorrhagic Septicemia (Cont'd)

Hemorrhagic septicemia in sheep. I. E. Newsom. 1919. 10 p. Colo. Agr. Coll. Ext. Bul. 154-A.

The Immunizing value of commercial vaccines and bacterins against hemorrhagic septicemia. L. Van Es and H. M. Martin. 1920. 19 p. Nebr. Agr. Expt. Sta. Research Bul. 17.

Studies of immunity against hemorrhagic septicemia. L. Van Es and H. M. Martin. 1922. 38 p. Nebr. Agr. Expt. Sta. Research Bul. 21.

12. Milk Fever

Milk fever: its simple and successful treatment. J. R. Mohler. 1904. 13 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 45.

13. Milk Sickness

A Monograph on trembles or milksickness and white snakeroot. F. A. Wolf, R. S. Curtis, and B. F. Kaupp. 1918. 74 p. N. C. Agr. Expt. Sta. Tech. Bul. 15.

14. Necrobacillosis

Bacillus necrophorus and its economic importance. J. R. Mohler and G. B. Morse. 1906. p. 73-116. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 91. Reprinted from 21st Annual report of Bureau (1904)

Lip-and-leg ulceration of sheep. I. The work of the Bureau of animal industry for the suppression of lip-and-leg ulceration of sheep. By A. D. Melvin. II. Lip-and-leg ulceration (Necrobacillosis) of sheep; its cause and treatment. 1910. 35 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 160.

Necrobacillosis. G. H. Glover. 1923. 12 p. Colo. Agr. Expt. Sta. Bul. 289.

Necrotic stomatitis, with special reference to its occurrence in calves (calf diphtheria) and pigs (sore mouth) J. R. Mohler and G. B. Morse. 1905. 48 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 67.

Sore mouth in lambs and other forms of necrobacillosis in sheep. Howard Welch. 1926. 16 p. Mont. Agr. Expt. Sta. Bul. 186.

15. Rabies

Rabies or hydrophobia. J. R. Mohler. 1923. 20 p. U. S. Dept. Agr. Farmers' Bul. 449, rev.

III. DISEASES AND THEIR CONTROL (Cont'd)

16. Tuberculosis

- The Accredited-herd plan in tuberculosis eradication. J. A. Kiernan. 1919.
U. S. Dept. Agr. Yearbook, 1918, p. 215-220. (Y. B. Sep. 782)
- Bovine tuberculosis. L. Van Es. 1924. 66 p. Nebr. Agr. Expt. Sta. Circ. 23.
- The Control of bovine tuberculosis. American veterinary medical association.
International commission on the control of bovine tuberculosis. 1911.
27 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 175.
- Danger of infection with tuberculosis by different kinds of exposure. E. C.
Schroeder and W. E. Cotton. 1905. p. 44-65. U. S. Dept. Agr. Bur. Anim.
Indus. Circ. 83.
Reprint from 21st Ann. rept. of the Bureau (1904)
- Diagnosis of tuberculosis by complement fixation, with special reference to
bovine tuberculosis. Adolph Eichhorn and A. Blumberg. 1917. U. S. Dept.
Agr. Jour. Agr. Research. 8: 1-20. (A-26)
- Experiments concerning tuberculosis. 1904-05. 3 pts., 125 p. U. S. Dept.
Agr. Bur. Anim. Indus. Bul. 52.
Contents. Pt. 1. The virulence of human and bovine tubercle bacilli
for guinea pigs and rabbits. By Marion Dorset. Pt. 2. The comparative
virulence of human and bovine tubercle bacilli for some large animals.
By E. A. de Schweinitz, Marion Dorset and E. C. Schroeder. Pt. 3.
Studies in immunity from tuberculosis, by E. C. Schroeder, and The
persistence of tubercle bacilli in tissues of animals after injection,
by E. C. Schroeder and W. E. Cotton.
- Investigations concerning bovine tuberculosis, with special reference to
diagnosis and prevention. Theobald Smith, F. L. Kilborne and E. C.
Schroeder. 1894. 178 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 7.
"Tuberculin and its use. By E. A. de Schweinitz": p. 157-178.
- The Preparation and use of tuberculin. E. A. de Schweinitz. 1899. U. S.
Dept. Agr. Yearbook, 1898, p. 111-120. (Y. B. Sep. 131)
- Some facts about tuberculous cattle. E. C. Schroeder. 1909. U. S. Dept.
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Facts about silos for New Mexico: R. W. Latta. 1915. 4 p. N. M. Coll. Agr. Ext. Circ. 2.

Handling silage. L. W. Chase and I. D. Wood. 1914. 25 p. Nebr. Agr. Expt. Sta. Bul. 145.

Much of the same material is published in Nebr. Coll. Agr. Ext. Bul. 45.

Homemade silos. Helmer Rabild and K. E. Parks. 1917. 55 p. U. S. Dept. Agr. Farmers' Bul. 855.

The Home made stave silo. J. N. Price. 1916. 16 p. Wash. State Coll. Ext. [Bul.] 24.

How to build a stave silo. B. H. Rawl and J. A. Conover. 1909. 18 p. U. S. Dept. Agr. Bur. Anim. Indus. Circ. 136.

Pit and trench silos. R. L. Patty. 1927. 15 p. S. D. Coll. Agr. Ext. Circ. 264.

Pit, semi-pit, and bank silos. L. W. Chase. 1923. 16 p. Nebr. Coll. Agr. Ext. Circ. 720.

The Pit silo. J. W. Sjogren. 1923. 12 p. Colo. Agr. Expt. Sta. Bul. 288.

The Pit silo. Christian Larsen. 1914. p. 81-96. S. D. Agr. Expt. Sta. Bul. 154.

The Pit silo for western Kansas. Clyde McKee. 1913. 12 p. Kans. Agr. Coll. Agr. Educ. v. 5, no. 14.

Pit silos. T. P. Metcalfe and G. A. Scott. 1923. 12 p. U. S. Dept. Agr. Farmers' Bul. 825, rev.

Pit silos and how to make them. A. L. Paschall. 1916. [28] p. Ariz. Coll. Agr. Ext. Serv. Circ. 8.

VI. FEEDING.

(See also VII. Feeding Stuffs, p. 40; VIII, 5, Forage, p. 58)

1. General.

- Alfalfa for the growing and fattening of animals in Great Plains region.
I. D. Graham. 1905. p. 242-267. U. S. Dept. Agr. Bur. Anim. Indus.
Circ. 86.
Reprint from 21st Annual report of Bureau (1904)
- The Computation of rations for farm animals by the use of energy values. H.P.
Ormsby. 1909. 32 p. U. S. Dept. Agr. Farmers' Bul. 346.
- The Exact calculation of balanced rations. J. T. Willard. 1902. p. 97-146.
Kans. Agr. Expt. Sta. Bul. 115.
- Feeding alfalfa hay. Jerry Sotola. 1927. 35 p. Washin. Agr. Expt. Sta. Bul.
220.
- Feeding cottonseed products to livestock. E. W. Sheets and E. H. Thompson.
1923. 20 p. U. S. Dept. Agr. Farmers' Bul. 1179, rev.
- Feeding for meat production. H. P. Ormsby. 1908. 89 p. U. S. Dept. Agr. Bur.
Anim. Indus. Bul. 103.
- Feeding grain sorghums to livestock. C. A. Scott. 1924. 10 p. U. S. Dept.
Agr. Farmers' Bul. 724, rev.
- A Handbook for better feeding of livestock. E. W. Sheets and William Jackson.
1926. 56 p. U. S. Dept. Agr. Misc. Circ. 12, rev.
- How to use sorghum grain. C. R. Ball and B. E. Rothgeb. 1918. 18 p. U. S.
Dept. Agr. Farmers' Bul. 972.
- A Method of calculating economical balanced rations. J. C. Rundles. 1918.
19 p. U. S. Dept. Agr. Bul. 637.
- Rations for hogs, dairy cows, beef cattle, horses and sheep. [1925?] 8 p.
Okla. Agr. Expt. Sta. Circ. 57.
- Silage feeding. C. I. Bray. 1914. 18 p. Okla. Agr. Expt. Sta. Circ. 36.
- Sorghum as a forage and grain ration for sheep. F. W. Wilson. 1910. 4 p.
Ariz. Agr. Expt. Sta. Timely hints for farmers 84.
- Uses of sorghum grain. C. R. Ball and B. E. Rothgeb. 1915. 16 p. U. S. Dept.
Agr. Farmers' Bul. 686.
- Utilization of alfalfa. R. A. Oakley and H. L. Westover. 1925. 36 p. U. S.
Dept. Agr. Farmers' Bul. 1229.

VI. FEEDING (Cont'd)

1. General (Cont'd)

Utilization of farm wastes in feeding livestock. S. H. Ray. 1917. U. S. Dept. Agr. Farmers' Bul. 873.

Worth and uses of silos and silage. 1914. Kans. State Bd. Agr. Rept. quarter ending Mar. 1914. v. 33, no. 129, p. 111-380.

2. Maintenance.

a. Beef Cattle.

Certain desert plants as emergency stock feed. E. O. Wooton. 1918. 31 p. U. S. Dept. Agr. Bul. 728.

Chamiza as an emergency feed for range cattle. Luther Foster, J. L. Lantow, and C. P. Wilson. 1921. 29 p. N. M. Agr. Expt. Sta. Bul. 125.

Chopped soapweed as emergency feed for cattle on southwestern ranges. C. L. Forsling. 1919. 20 p. U. S. Dept. Agr. Bul. 745.

Emergency forage crops. D. C. Brodie. 1911. 4 p. U. S. Dept. Agr. Off. Sec. Circ. 36.

Feeding prickly pear to stock in Texas. David Griffiths. 1906. 23 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 91.

Feeding yucca to starving cattle. R. H. Williams. 1918. 10 p. Ariz. Coll. Agr. Ext. Serv. Circ. 21.

Influence of the plane of nutrition on the maintenance requirement of cattle. F. B. Mumford, A. G. Hogan, and W. D. Salmon. 1921. U. S. Dept. Agr. Jour. Agr. Research, 22; 115-121. (Mo. 5)

The Maintenance rations of farm animals. H. P. Armsby. 1912. 110 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 143.

Native cacti as emergency forage plants, by J. J. Thornber. Nutritive value of cholla fruit, by A. E. Vinson. 1911. p. 457-519. Ariz. Agr. Expt. Sta. Bul. 67.

Preliminary report on range cow supplemental feeding. J. L. Lantow and M. G. Shell. 1924. 8 p. N. M. Agr. Expt. Sta. Bul. 144.

Preliminary report on the supplemental feeding of range cattle in New Mexico. J. L. Lantow. 1927. 13 p. N. M. Agr. Expt. Sta. Bul. 161.

The Prickly pear and other cacti as food for stock. David Griffiths. 1905. 48 p. U. S. Dept. Agr. Bur. Plant Indus. Bul. 74.

VI. FEEDING (Cont'd)

2. Maintenance (Cont'd)

a. Beef Cattle (Cont'd)

Prickly pear as stock feed. David Griffiths. 1920. 24 p. U. S. Dept. Agr. Farmers' Bul. 1072.

Range and cattle management during drought. J. T. Jardine and C. L. Forsling. 1922. 83 p. U. S. Dept. Agr. Bul. 1031.

Range cow maintenance on yucca and sotol. Luther Foster and C. W. Humble. 1918. 27 p. N. M. Agr. Expt. Sta. Bul. 114.

Saving livestock from starvation on southwestern ranges. C. L. Forsling. 1924. 22 p. U. S. Dept. Agr. Farmers' Bul. 1428.

Soapweed or palmilla (Yucca elata) as emergency fodder. J. J. Thornber. 1918. 7 p. Ariz. Agr. Expt. Sta. Timely hints for farmers 135.

The Utility of yucca and chamiza as range supplements. I. Soapweed (Yucca elata). II. Chamiza (Atriplex canescens) L. S. Brown. 1922. 38 p. N. M. Agr. Expt. Sta. Bul. 133.

The Utilization of yucca for the maintenance of cattle. J. M. Jones and A. B. Conner. 1918. 23 p. Tex. Agr. Expt. Sta. Bul. 240.

3. Wintering

a. Beef Cattle

Pt. I. Carrying steers through the winter. Pt. II. Sugar beets for fattening steers. W. L. Carlyle and G. E. Morton. 1909. 15 p. Colo. Agr. Expt. Sta. Bul. 149.

Cattle feeding. I. Oat and pea silage in maintenance rations for steers. II. Oat and pea silage for beef cows. III. Oat and pea silage for growing cattle. A. D. Faville. 1915. p. 29-42. Wyo. Agr. Expt. Sta. Bul. 108.

Effect of winter rations on subsequent pasture gains of steers. E. W. Sheets. 1924. U. S. Dept. Agr. Jour. Agr. Reseach., 28: 1215-1232. (A-78)

Growing cattle in western Nebraska. W. P. Snyder. 1908. 23 p. Nebr. Expt. Sta. Bul. 105.

Homegrown feeds for range steers. F. A. Hays. 1921. p. 53-75. Wyo. Agr. Expt. Sta. Bul. 128.

Winter feeding beef breeding cows. C. N. Arnett. 1927. 10 p. Mont. Agr. Expt. Sta. Bul. 211.

VI. FEEDING (Cont'd)

3. Wintering (Cont'd)

a. Beef Cattle (Cont'd)

Winter feeding beef calves. C. N. Arnett, R. C. McChord, and J. O. Tretsven. 1925. 29 p. Mont. Agr. Expt. Sta. Bul. 176.

Winter feeding of beef cattle. C. N. Arnett. 1919. 7 p. Mont. Agr. Expt. Sta. Circ. 85.

Wintering beef calves and yearlings in northern Montana. C. N. Arnett, A. L. Baker, and L. Vinke. 1926. 29 p. Mont. Agr. Expt. Sta. Bul. 188.

Wintering beef cows in northern Montana. C. N. Arnett, A. L. Baker, and L. Vinke. 1926. 35 p. Mont. Agr. Expt. Sta. Bul. 187.

Wintering range calves. F. S. Hultz. 1925. 16 p. Wyo. Agr. Expt. Sta. Bul. 134.

Wintering stock steers. E. L. Potter and Robert Withycombe. 1926. [16] p. Oreg. Agr. Expt. Sta. Bul. 224.

b. Sheep

Comparative rations for wintering breeding ewes. S. F. Russell. 1919. 8 p. Okla. Agr. Expt. Sta. Bul. 125.

Sheep feeding investigation. Wintering breeding ewes. Ninety day test, December 29 to March 30. A. E. Darlow. 1922. 8 p. Okla. Agr. Expt. Sta. Bul. 142.

Sheep feeding investigations, comparative rations for wintering breeding ewes. A. E. Darlow. 1921. 7 p. Okla. Agr. Expt. Sta. Bul. 136.

Winter feeding of breeding ewes. W. E. Joseph. 1924. 16 p. Mont. Agr. Expt. Sta. Bul. 164.

Winter lamb feeding, 1919-20, 1920-21, 1921-22. W. H. Savin. 1923. 23 p. Nebr. Agr. Expt. Sta. Bul. 197.

4. Growing

a. Beef Cattle

Beef cattle feeding experiments. H. Hackedorn, Jerry Sotola, and R. P. Bean. 1924. 26 p. Wash. Agr. Expt. Sta. Bul. 186.

VI. FEEDING (Cont'd)

4. Growing (Cont'd)

a. Beef Cattle (Cont'd)

- Beef cattle feeding trials, 1921-24. C. E. Howell. 1927. 12 p. Calif. Agr. Expt. Sta. Bul. 421.
- Beef production. Pt. I. Comparison of rations. Pt. II. Comparison of breeds and types. H. R. Smith. 1912. 50 p. Nebr. Agr. Expt. Sta. Bul. 132.
- Cattle feeding. Oat and pea silage for beef cows. Oat and pea silage for growing cattle. A. D. Faville. 1917. p. 53-64. Wyo. Agr. Expt. Sta. Bul. 117.
- Corn silage and mill products for steers. J. W. Wilson and G. E. Youngberg. 1914. p. 328-344. S. D. Agr. Expt. Sta. Bul. 148.
- Corn silage and roots for steers. J. W. Wilson. 1912. p. 353-367. S. D. Agr. Expt. Sta. Bul. 137.
- I. Cottonseed cake vs. cold pressed cake for beef cows. II. Mixed grains vs. cottonseed cake for growing beef cattle. A. D. Faville. 1915. 11 p. Wyo. Agr. Expt. Sta. Bul. 106.
- Experiments with hand-fed calves. D. H. Otis. 1904. p. 163-198. Kans. Agr. Expt. Sta. Bul. 126.
- Feeding experiments with grade beef cows raising calves. I. Rations, gains and losses in weight, and calves produced. II. Costs of the rations and of raising calves to weaning age. E. W. Sheets and R. H. Tuckwiller. 1922. 17 p. U. S. Dept. Agr. Bul. 1024.
- The influence of type and of age upon the utilization of feed by cattle. H. P. Armsby and J. A. Fries. 1911. 245 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 128.
- The Utilization of feed by range steers of different ages. I. Alfalfa hay. F. W. Christensen and H. H. Simpson. 1914. 123 p. N. M. Agr. Expt. Sta. Bul. 91.
- The Utilization of feed by range steers of different ages. II. Alfalfa hay and milo maize meal. F. W. Christensen, H. H. Simpson, and Luther Foster. 1916. 117 p. N. M. Agr. Expt. Sta. Bul. 103.
- The Utilization of feed by range steers of different ages. III. Alfalfa hay, and cottonseed meal. IV. Alfalfa hay, milo maize meal and cottonseed meal. J. D. Hungerford and Luther Foster. 1921. 92 p. N. M. Agr. Expt. Sta. Bul. 128.

VI. FEEDING (Cont'd)

4. Growing (Cont'd)

a. Beef Cattle (Cont'd)

The Utilization of feed by range steers of different ages. (Popular ed. of Bul. 91, 103, 128) M. G. Snell. 1923. 7 p. N. M. Agr. Expt. Sta. Bul. 140.

b. Sheep.

Feeding experiments, 1910-11. [Feeding Wyoming-grown grain to lambs] A. D. Faville. 1911. 11 p. Wyo. Agr. Expt. Sta. Bul. 89.

Feeding experiments with lambs, 1908-9, 1909-10, 1910-11. Alfalfa meal for feeding lambs. Ration experiments with lambs. Loss caused by dogs among lambs. G. E. Morton. 1913. 16 p. Colo. Agr. Expt. Sta. Bul. 187.

Lamb feeding experiments. J. L. Lantow, and M. G. Snell. 1923. 12 p. N. M. Agr. Expt. Sta. Bul. 138.

Lamb feeding experiments at the irrigation branch station. H. Hackedorn, R. P. Bean, and J. Sotola. 1922. [24] p. Wash. Agr. Expt. Sta. Bul. 170.

Lamb feeding experiments at the irrigation branch experiment station. H. Hackedorn, R. P. Bean, and Jerry Sotola. 1924. 42 p. Wash. Agr. Expt. Sta. Bul. 185.

A Method of feeding orphan lambs. W. E. Carroll. 1918. 8 p. Utah Agr. Expt. Sta. Circ. 33.

Nature and rate of growth of lambs during the first year. E. G. Ritzman. 1917. U. S. Dept. Agr. Jour. Agr. Research, 11: 607-624. (N.H.-4)

5. Fattening

a. General

Sugar-beet by-products for fattening livestock. E. J. Maynard and B. W. Fairbanks. 1928. 19 p. Colo. Agr. Coll. Ext. Bul. 269-A

b. Beef Cattle

Alfalfa silage for fattening steers. G. H. True, F. W. Woll, and V. F. Dolcini. 1915. 4 p. Calif. Agr. Expt. Sta. Circ. 124.

Baby beef. Luther Foster and E. J. Maynard. 1918. 15 p. N. M. Agr. Expt. Sta. Bul. 112.

Baby beef. E. E. Scholl. 1913. 58 p. Tex. Dept. Agr. Bul. 30.

VI. FEEDING (Cont'd)

5. Fattening (Cont'd)

b. Beef Cattle (Cont'd)

- Beef production. H. J. Gramlich. 1919. 22 p. Nebr. Agr. Expt. Sta. Bul. 174.
- Cattle feeding in Arizona. E. B. Stanley and E. L. Scott. 1925. 41 p. Ariz. Agr. Expt. Sta. Bul. 108.
- Cattle feeding investigation. W. L. Blizzard. 1920. 7 p. Okla. Agr. Expt. Sta. Bul. 134.
- Cattle feeding investigations. [Baby beef] W. L. Blizzard. [1923] 8 p. Okla. Agr. Expt. Sta. Bul. 149.
- Cattle feeding investigations. Finishing baby beef. W. L. Blizzard. [1923] 8 p. Okla. Agr. Expt. Sta. Bul. 147.
- Cattle-feeding investigations, 1918/19-1925/26. 1919-26. Kans. Agr. Expt. Sta. Circ. 77, 86, 92, 97, 105, 117, 128, 130. 1922/23 (Circ. 105) has title; Silage feeding investigations.
- Corn and millet silage for fattening cattle. J. W. Wilson and A. H. Kuhlman. 1920. p. 205-220. S. D. Agr. Expt. Sta. Bul. 189.
- Corn silage and alfalfa hay for beef production. R. K. Bliss and C. B. Lee. 1915. 43 p. Nebr. Agr. Expt. Sta. Bul. 151.
- Fattening beef calves. S. H. Ray. Rev. by A. T. Semple. 1924. 13 p. U. S. Dept. Agr. Farmers' Bul. 1416.
- Fattening calves in Arizona. E. B. Stanley and E. L. Scott. 1926. p. 315-336. Ariz. Agr. Expt. Sta. Bul. 116.
- Fattening native steers for market: 1920. R. H. Williams. 1920. 396 p. Ariz. Agr. Expt. Sta. Bul. 91.
- The Fattening of steers on dry-land crops. J. L. Lantow, W. H. Black, and D. R. Burnham. 1926. 17 p. N. M. Agr. Expt. Sta. Bul. 156.
- Fattening steers. E. L. Potter and Robert Withycombe. 1922. 18 p. Oreg. Agr. Expt. Sta. Bul. 193.
- Fattening steers of different ages. J. W. Wilson. 1911. p. 57-72. S. D. Agr. Expt. Sta. Bul. 125.

VI. FEEDING(Cont'd)

5. Fattening (Cont'd)

b. Beef cattle (Cont'd)

Fattening steers on barley and rejected wheat. J. H. Shepperd and W. B. Richards. 1906. p. 237-258. N. D. Agr. Expt. Sta. Bul. 73.

I. Fattening steers on cottonseed meal and hulls with and without corn.

II. The influence of age on fattening steers. J. M. Jones, J. L. Lush, and J. H. Jones. 1923. 31 p. Tex. Agr. Expt. Sta. Bul. 309.

Fattening steers on dry-land crops of the Southwest. W. H. Black, J. L. Lantow, and D. R. Burnham. 1927. 15 p. U. S. Dept. Agr. Tech. Bul. 30.

Fattening steers on velvet beans. S. W. Greene, and A. T. Semple. 1925. 26 p. U. S. Dept. Agr. Dept. Bul. 1333.

Fattening yearling steers on dry-farms. R. H. Williams, E. B. Stanley, and C. A. Smith. 1925. p. 61-82. Ariz. Agr. Expt. Sta. Bul. 110.

Feeding baby beef. Forage and grain rations for fattening calves under western Nebraska conditions. W. P. Snyder. 1914. 39 p. Nebr. Agr. Expt. Sta. Bul. 143.

Feeding baby beeves. J. C. Burns. 1916. 21 p. Tex. Agr. Expt. Sta. Bul. 198.

Feeding beef cattle in California. H. R. Guilbert. 1926. 19 p. Calif. Agr. Ext. Serv. Circ. 3.

Feeding cattle for beef. W. H. Black. 1928. U. S. Dept. Agr. Farmers' Bul. 1549.

Feeding cotton seed and cotton seed products to range steers. E. B. Stanley. 1921. p. 481-491. Ariz. Agr. Expt. Sta. Bul. 93.

Feeding experiments with steers and hogs. J. T. Cruse. 1911. 25 p. Tex. Agr. Expt. Sta. Bul. 135.

The Feeding of dry-farm crops to range steers in eastern New Mexico. J. L. Lantow and H. J. Clemmer. 1922. 10 p. N. M. Agr. Expt. Sta. Bul. 131.

Feeding range steers. Luther Foster and H. H. Simpson. 1916. 24 p. N. M. Agr. Expt. Sta. Bul. 101.

Flesh and fat in beef. D. H. Otis. 1903. p. 135-212. Kans. Agr. Expt. Sta. Bul. 118.

VI. FEEDING (Cont'd)

5. Fattening (Cont'd)

b. Beef cattle (Cont'd)

Grain sorghums versus corn for fattening baby beeves. J. M. James, R. A. Brewer, and R. E. Dickson. 1922. 25 p. Tex. Agr. Expt. Sta. Bul. 296.

Grass fat cattle warmed upon corn fodder with a straw shed as shelter. J. H. Shepperd. 1920. 8 p. N. D. Agr. Expt. Sta. Bul. 140.

Pea straw for fattening beef cattle. H. Hackedorn and J. Sotola. 1920. 24 p. Wash. Agr. Expt. Sta. Bul. 157.

Preparations of hegari for finishing yearling steers. R. H. Williams and C. A. Smith. 1925. p. 411-436. Ariz. Agr. Expt. Sta. Bul. 107.

Quality in beef. H. M. Cottrell and V. M. Shoesmith. 1902. 24 p. Kans. Agr. Expt. Sta. Bul. 111.

Rations for fattening cattle. J. C. Burns. 1915. 8 p. Tex. Agr. Coll. Ext. Bul. B-9.

Rations for fattening steers. J. C. Burns. 1920. 19 p. Tex. Agr. Expt. Sta. Bul. 263.

Contents: (1) Cotton seed meal vs. peanut meal. (2) Cold pressed cotton seed vs. ground whole pressed peanuts. (3) Sorghum silage vs. cotton seed hulls.

Shelter and warm water for fattening steers. E. L. Potter and Robert Withycombe. 1921. 11 p. Oreg. Agr. Expt. Sta. Bul. 183.

Silage and grains for steers. J. W. Wilson. 1915. p. 193-224. S. D. Agr. Expt. Sta. Bul. 160.

Soft corn for fattening cattle. J. W. Wilson, and A. L. Bushey. 1926. 18 p. S. D. Agr. Expt. Sta. Bul. 219.

Sorgo silage, sorgo fodder and cottonseed hulls as roughages in rations for fattening calves. J. M. Jones, W. H. Black, and F. E. Keating. 1927. 36 p. Tex. Agr. Expt. Sta. Bul. 363.

Practically the same material is published in U. S. Dept. Agr. Tech. Bul. 43.

Steer feeding. J. C. Burns, C. N. Kennedy, and C. S. Scharff. 1913. 34 p. Tex. Agr. Expt. Sta. Bul. 159.

Contents: Silage compared with cotton seed hulls, and cotton seed meal compared with cotton seed for fattening cattle. Sorghum hay compared with cotton seed hulls for fattening cattle.

Steer feeding. J. C. Burns. 1915. 16 p. Tex. Agr. Expt. Sta. Bul. 182.

VI. FEEDING (Cont'd)

5. Fattening (Cont'd)

b. Beef Cattle (Cont'd)

Steer feeding experiments J. E. Nordby. 1920. 4 p. Idaho Agr. Expt. Sta. Circ. 15.

Steer feeding experiments, 1920-1921. C. W. Hickman, E. F. Rinehart, and A. W. Johnson. 1921. 4 p. Idaho Agr. Expt. Sta. Circ. 18.

Steer feeding experiments, 1921-1922. C. W. Hickman, and E. F. Rinehart. 1922. 8 p. Idaho Agr. Expt. Sta. Circ. 28.

Steer feeding experiments. C. W. Hickman, and E. F. Rinehart. 1923. [4] p. Idaho Agr. Expt. Sta. Circ. 31 [i.e. 32]

Steer feeding in Colorado. C. I. Bray. 1922. 39 p. Colo. Agr. Coll. [Ext. Bul.] 195-A.

Steer feeding; small grains and clover hay for two year old steers. R. W. Clark. 1910. p. 37-48. Mont. Agr. Expt. Sta. Bul. 78.

A Study of various rations for finishing range calves as baby heaves. H.R. Guilbert. 1927. 19 p. Calif. Agr. Expt. Sta. Bul. 418.

A Test of the relative values of cotton seed meal and silage, and cotton seed meal and cotton seed hulls for fattening cattle. J. C. Burns and T. P. Metcalfe. 1912. 14 p. Tex. Agr. Expt. Sta. Bul. 153.

The Utilization of dry farm crops in beef production. Luther Foster, and H. G. Smith. 1917. 34 p. N. M. Agr. Expt. Sta. Bul. 108.

c. Sheep

Alfalfa and corn for fattening lambs. H. H. Simpson. 1911. 18 p. N. M. Agr. Expt. Sta. Bul. 79.

Beet by-products for fattening lambs. E. J. Maynard. 1921. 12 p. Colo. Agr. Expt. Sta. Bul. 266.

Corn silage for lambs. J. W. Wilson. 1916. p. 376-390. S. D. Agr. Expt. Sta. Bul. 165.

Corn supplements and substitutes for fattening lambs. H. D. Fox. 1926. 22 p. Nebr. Agr. Expt. Sta. Bul. 211.

Corn versus barley in lamb rations; methods of feeding barley to lambs. A. D. Faville. [1913?] 7 p. Wyo. Agr. Expt. Sta. Bul. 103.

Fall lamb feeding. H. J. Gramlich. 1918. 28 p. Nebr. Agr. Expt. Sta. Bul. 170.

VI. FEEDING (Cont'd)

5. Fattening (Cont'd)

c. Sheep (Cont'd)

- Fattening lambs. J. M. Jones. 1916. 15 p. Tex. Agr. Expt. Sta. Bul. 186.
- Fattening lambs. J. W. Wilson. 1910. p. 643-648. S. D. Agr. Expt. Sta. Bul. 119.
- Fattening lambs for the late winter market. H. K. Dean and E. L. Potter. 1925. 10 p. Oreg. Agr. Expt. Sta. Bul. 218.
- Fattening lambs in Arizona. E. B. Stanley and E. L. Scott. 1925. p.43-60. Ariz. Agr. Expt. Sta. Bul. 109.
- Fattening lambs on alfalfa. E. L. Potter and H. K. Dean. 1923. 16 p. Oreg. Agr. Expt. Sta. Bul. 198.
- Fattening lambs - shelter versus open lot. Robert Withycombe and E. L. Potter. 1920. 11 p. Oreg. Agr. Expt. Sta. Bul. 175.
- Fattening lambs with barley and alfalfa. C. E. Fleming. 1924. 14 p. Nev. Agr. Expt. Sta. Bul. 106.
- Fattening western lambs. H. D. Fox. 1924. 24 p. Nebr. Agr. Expt. Sta. Bul. 204.
- Feeding lambs in the fall. H. J. Gramlich. 1918. 16 p. Nebr. Agr. Expt. Sta. Bul. 167.
- Grain sorghums vs. corn for fattening lambs. J. M. Jones, R. A. Brewer and R. E. Dickson. 1920-28. Tex. Agr. Expt. Sta. Bul. 269, 285, 306, 379.
- Lamb and sheep feeding experiments. E. J. Iddings. 1916. 14 p. Idaho Agr. Expt. Sta. Bul. 89.
- Lamb feeding experiments. C. W. Hickman, E. F. Rinehart, and A. W. Johnson. 1921. [4] p. Idaho Agr. Expt. Sta. Circ. 19.
- Lamb feeding experiments. 1921-1922. C. W. Hickman and E. F. Rinehart. 1922. 8 p. Idaho Agr. Expt. Sta. Circ. 29.
- Lamb feeding experiments in the sugar beet growing districts. J. A. Holden, 1926. 21 p. Nebr. Agr. Expt. Sta. Bul. 216.
- Lamb feeding experiments in western Nebraska. J. A. Holden. 1923. 35 p. Nebr. Agr. Expt. Sta. Bul. 194.
- Lamb feeding experiments. Pt. I. Fattening western lambs. Pt. II. Fattening native lambs. Pt. III. A comparison of native and Western lambs. H. J. Gramlich. 1915. 26 p. Nebr. Agr. Expt. Sta. Bul. 153.

VI. FEEDING (Cont'd)

5. Fattening (Cont'd)

c. Sheep (Cont'd)

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VII. FEEDING STUFFS: COMPOSITION AND DIGESTIBILITY.

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VII. FEEDING STUFFS: COMPOSITION AND DIGESTIBILITY (Cont'd)

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VII. FEEDING STUFFS: COMPOSITION AND DIGESTIBILITY (Cont'd)

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2. Cultivated Crops

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VIII. FORAGE (Cont'd)

2. Cultivated Crops (Cont'd)

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VIII. FORAGE (Cont'd)

2. Cultivated Crops (Cont'd)

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2. Cultivated Crops (Cont'd)

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b. Alfilaria

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VIII. FORAGE (Cont'd)

2. Cultivated Crops (Cont'd)

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2. Cultivated Crops (Cont'd)

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g. Emmer and Spelt

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i. Millet

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j. Peas

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k. Rape

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VIII. FORAGE (Cont'd)

2. Cultivated Crops (Cont'd)

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VIII. FORAGE (Cont'd)

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Sorghums for silage and hay. R. L. Stewart. 1919. 20 p. N. M. Agr. Expt. Sta. Bul. 119.

Spur feterita. 1920. 4 p. U. S. Dept. Agr. Dept. Circ. 124.

Spur feterita. A. B. Conner and R. E. Dickson. 1921. 28 p. Tex. Agr. Expt. Sta. Bul. 275.

m. Soybeans

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Sunflower production for silage. E. G. Schafer and R. O. Westley. 1921. 20 p. Wash. Agr. Expt. Sta. Bul. 162.

Sunflowers for silage. G. S. Ray. 1919. 8 p. Colo. Agr. Coll. Ext. Bul. 158-A.

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Sunflowers; their culture and use. A. F. Vass. 1921. p. 77-107. Wyo. Agr. Expt. Sta. Bul. 129.

VIII. FORAGE (Cont'd)

2. Cultivated Crops (Cont'd)

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Purple vetch. Roland McKee. 1925. 12 p. U. S. Dept. Agr. Farmers' Bul. 967, rev.

3. Hay

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Methods of handling hay in Colorado. G. A. Cumings. 1923. 39 p. Colo. Agr. Expt. Sta. Bul 281.

4. Range and Pasture Grasses and Plants.

(See also XIV. Range and pasture management, p. 73)

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Australian saltbush. Roland McKee. 1919. 12 p. U. S. Dept. Agr. Bul. 617.

Australian salt-bushes; results of 18 years' tests; characteristics; propagation, and field experiments. C. H. Shinn. Composition and food value. M. E. Jaffa. 1899. 30 p. Calif. Agr. Expt. Sta. Bul. 125.

Bermuda. O. O. Churchill. 1912. 13 $\frac{1}{2}$ p. Okla. Agr. Expt. Sta. Circ. 16.

Bermuda grass. W. D. Bentley. 1925. 14 $\frac{1}{2}$ p. Okla. Agr. Coll. Ext. Circ. 9, rev.

Brome-grass, slender wheat-grass and timothy. L. R. Waldron. 1919. 8 p. N. D. Agr. Coll. Ext. Circ. 24.

The Brome-grasses of Wyoming. Aven Nelson. 1901. 21 p. Wyo. Agr. Expt. Sta. Bul. 46.

VIII FORAGE (Cont'd.)

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- Grasses. A. M. Ten Eyck. 1911. p. 293-394. Kans. Agr. Expt. Sta. Bul. 175.
- Grasses and forage plants of the Dakotas. T. A. Williams. 1897. 47 p. U. S. Dept. Agr. Div. Agrostology Bul. 6.
- The Grasses and grass-like plants of New Mexico. E. O. Wooton and P. C. Standley. 1911. 175 p. N. M. Agr. Expt. Sta. Bul. 81.
- Grasses for pasture and hay in Texas. G. M. Garren. 1916. 16 p. Tex. Agr. Coll. Ext. Bul. B-32.
- Grasses of the Pacific slope including Alaska and the adjacent islands. Plates and descriptions of the grasses of California, Oregon, Washington, and the northwestern coast, including Alaska. George Vasey. 1893. 2 pts. U. S. Dept. Agr. Div. Bot. Bul. 13.
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VIII. FORAGE (Cont'd)

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- The Grazing ranges of Arizona. J. J. Thornber. 1910. p. 245-360. Ariz. Agr. Expt. Sta. Bul. 65.
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- A Handbook of Nebraska grasses, with illustrated keys for their identification together with a general account of their structure and economic importance. E. M. Wilcox, G. K. K. Link, and V. W. Pool. 1915. 120 p. Nebr. Agr. Expt. Sta. Bul. 148.
- Important cultivated grasses. C. V. Piper. 1922. 38 p. U. S. Dept. Agr. Farmers' Bul. 1254.
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- Irrigated pastures. Dan Hansen. 1924. 26 p. Mont. Agr. Expt. Sta. Bul. 166.
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- Notes on national forest range plants. Part 1, Grasses. By the Office of grazing studies, Forest service. 1914. 224 p.
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- Our native pasture plants. F. L. Scribner. 1901. U. S. Dept. Agr. Yearbook, 1900, p. 581-598. (Y. B. Sep. 223)
- Pasture crops for Colorado. Waldo Kidder. 1923. 16 p. Colo. Agr. Coll. [Ext. Bul.] 244-A.
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VIII. FORAGE (Cont'd)

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- Plants used for food by sheep on the Mica Mountain summer range. R. K. Beattie. 1913. 21p. Wash. Agr. Expt. Sta. Bul. 113.
- A Preliminary report on the summer ranges of western Nevada sheep. P. B. Kennedy and S. B. Doten. 1901. 57 p. Nev. Agr. Expt. Sta. Bul. 51.
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- Progress of experiments in forage crops and range improvement at Abilene, Tex. H. L. Bentley. 1900. 20 p. U. S. Dept. Agr. Div. Agrostology. Circ. 23.
- Raising sheep on temporary pastures. F. R. Marshall and C. G. Potts. 1921. 18 p. U. S. Dept. Agr. Farmers' Bul. 1181.
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- A Report upon the grasses and forage plants and forage conditions of the eastern Rocky Mountain region. T. A. Williams. 1898. 78 p. U. S. Dept. Agr. Div. Agrostology Bul. 12.
- A Report upon the grasses and forage plants of central Texas. H. L. Bentley. 1898. 38 p. U. S. Dept. Agr. Div. Agrostology Bul. 10.
- A Report upon the grasses and forage plants of the Rocky Mountain region. P. Rydberg and C. L. Shear. 1897. 48 p. U. S. Dept. Agr. Div. Agrostology Bul. 5.
- Revegetation of waste range land. H. C. Hanson. 1908. 9 p. Colo. Agr. Expt. Sta. Bul. 332.
- Saltbushes. P. B. Kennedy. 1900. 20 p. U. S. Dept. Agr. Farmers' Bul. 108.

VIII. FORAGE (Cont'd)

4. Range and Pasture Grasses and Plants (Cont'd)

- Saltbushes and their allies in the United States. G. L. Bidwell and E. O. Wooton. 1925. 39 p. U. S. Dept. Agr. Dept. Bul. 1345.
- Smooth brome-grass (Bromus inermis) P. B. Kennedy. 1899. 9 p. U. S. Dept. Agr. Div. Agrostology Circ. 18.
- Some especially valuable grasses in Texas. G. H. Hogan. 1911. 41 p. Tex. Dept. Agr. Bul. 20.
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- Stock ranges of northwestern California: notes on grasses and forage plants and range conditions. J. B. Davy. 1902. 81 p. U. S. Dept. Agr. Bur. Plant Indus. Bul. 12.
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- Sudan grass. 1915. Kans. State Bd. Agric. Rept. quarter ending June 1915. v. 34, no. 133, p.156-188.
- Sudan grass. R. L. Stewart and Luther Foster. 1918. 13 p. N. M. Agr. Expt. Sta. Bul. 111.
- Sudan grass. R. E. Kerper. 1915. 14 p. Okla. Agr. Expt. Sta. Bul. 103.
- Sudan grass. B. Youngblood and A. B. Conner. 1915. 28 p. Tex. Agr. Expt. Sta. Bul. 172.
- Sudan grass and related plants. H. N. Vinall and R. E. Getty. 1921. 68 p. U. S. Dept. Agr. Bul. 981.
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- Yields of native prickly pear in southern Texas. David Griffiths. 1915. 11 p. U. S. Dept. Agr. Bul. 208.

VIII. FORAGE (Cont'd.)

5. Silage.

(See also V. 5 Silos, p. 26; VI. Feeding, p. 28; VII. Feeding stuffs, p. 40)

Filling silos. J. B. Fitch. 1928. 8 p. Kans. Agr. Expt. Sta. Circ. 139.

Filling the silo. J. H. Frandsen. 1913. 4 p. Nebr. Coll. Agr. Ext. Bul. 21.

The Making and feeding of silage. T. E. Woodward, J. B. McNulty, G. M. Rommel, E. W. Sheets, and F. R. Marshall. 1925. 22 p. U. S. Dept. Agr. Farmers' Bul. 578.

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Silage crops for Nevada. C. S. Knight. 1918. 16 p. Nev. Agr. Expt. Sta. Bul. 91.

The Weight and lateral pressure of sunflower silage. H. E. Murdock. 1926. 19 p. Mont. Agr. Expt. Sta. Bul. 191.

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IX. HERD MANAGEMENT

1. General

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- The Burning of dead animals. R. H. McDowell. 1902. 12 p. Nev. Agr. Expt. Sta. Bul. 53.
- Fitting live stock for show. C. I. Bray. 1921. 36 p. Colo. Agr. Coll. Ext. Bul. 171-A.
- Range sanitation. G. W. Barnes. 1916. 11 p. Ariz. Coll. Agr. Ext. Serv. Circ. 6.

2. Beef Cattle

- Beef cattle in Montana. Louis Vinke and C. N. Arnett. 1927. 67 p. Mont. Agr. Expt. Sta. Circ. 133.
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- Factors affecting range management; a report from cattlemen on the factors which affect the percentage and uniformity of the calf crop and the development of the calves to maturity on the range. J. L. Lantow. 14 p. N. M. Coll. Agr. Ext. Circ. 74.
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IX. HERD MANAGEMENT (Cont'd)

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3. Sheep

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Care and management of sheep on the farm. W. E. Joseph. 1922. 29 p. Mont. Agr. Expt. Sta. Circ. 105.

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4-H Sheep manual. A. E. Darlow and P. H. Lowery. [1924] [8]p. Okla. Agr. Coll. Ext. Circ. 198.

The Handling of sheep on the national forests. [Published by Forest service, U. S. Dept. of agriculture] 1920. 21 p. English and Spanish in same pamphlet.

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The Management of farm flocks in Idaho. E. J. Iddings. 1917. 20 p. Idaho Agr. Expt. Sta. Bul. 96.

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- The Searing iron vs. the knife for docking or detailing lambs. J. M. Jones and C. M. Hubbard. 1920. 12 p. Tex. Agr. Expt. Sta. Bul. 262.
- The Sheep. J. W. Wilson and B. L. Thompson. 1918. p. 766-779. S. D. Agr. Expt. Sta. Bul. 177.
- Sheep and their care. D. J. Griswold and Don McMahan. 1925. 100 p. N. D. Agr. Coll. Ext. Circ. 69.
- Sheep breeding and feeding. J. M. Jones. 1917. 24 p. Tex. Agr. Expt. Sta. Bul. 205.
- Sheep for Washington farms. R. C. Ashby. 1913. [14]p. Wash. Agr. Expt. Sta. Pop. Bul. 58.
- Sheep husbandry in Oklahoma. W. L. Carlyle and D. A. Spencer. 1916. 47 p. Okla. Agr. Expt. Sta. Bul. 111.
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- Sheep production in Kansas. H. E. Reed. 1927. 76 p. Kans. Agr. Expt. Sta. Bul. 240.
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4. Goats

- The Angora goat. G. P. Williams. 1921. 26 p. U. S. Dept. Agr. Farmers' Bul. 1203.
- The Goat industry in western Washington. D. A. Brodie. 1906. 23 p. Wash. Agr. Expt. Sta. Bul. 78.
- Production of goats on far western ranges. W. R. Chapline. 1919. 35 p. U. S. Dept. Agr. Bul. 749.

X. HIDES AND SKINS

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XI. JUDGING

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- Judging Kansas live stock. C. G. Elling. 1924. 56 p. Kans. Agr. Coll. Ext. Bul. 47.
- Judging livestock. B. W. Fairbanks. 1927. 24 p. Colo. Agr. Coll. [Ext. Bul.] 265-A.
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- The Score card in stock breeding. G. M. Rommel. 1905. 54 p. U. S. Dept. Agr. Bur. Anim. Indus. Bul. 70.
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- Score cards for livestock exhibits. G. R. Hyslop. 1922. 19 p. Oreg. Agr. Coll. Ext. Bul. 340.

2. Beef Cattle

- Judging beef cattle. E. H. Thompson. 1925. 14 p. U. S. Dept. Agr. Farmers' Bul. 1068, rev.
- Judging horses and cattle. H. J. Gramlich. 1912. p. 5-28. Nebr. Agr. Coll. Ext. Bul. 5.

XII. POISONOUS PLANTS.

1. General

- Colorado plants injurious to livestock. G. H. Glover and W. W. Robbins.
1916. 71 p. Colo. Agr. Expt. Sta. Bul. 211.
- Feeding wild plants to sheep. S. B. Nelson. 1906. 64 p. Wash. Agr. Expt.
Sta. Bul. 73.
- Plants poisonous to livestock in Montana. H. E. Morris and Howard Welch.
1927. 28 p. Mont. Agr. Expt. Sta. Circ. 134.
- Poisonous plants of Colorado. L. W. Durrell and G. H. Glover. 1927. 28 p.
Colo. Agr. Expt. Sta. Bul. 315.
- Poisonous plants of Wyoming. O. A. Beath. 1921. 35 p. Wyo. Agr. Expt.
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- Prevention of losses of live stock from plant poisoning. C. D. Marsh.
1916. 11 p. U. S. Dept. Agr. Farmers' Bul. 720.
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- The Principal stock-poisoning plants of New Mexico. E. P. Johnson and
W. A. Archer. 1922. 40 p. N. M. Coll. Agr. Ext. Circ. 71.
- The Principal stock-poisoning plants of Oregon. W. E. Lawrence. 1922. 42 p.
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- Range plants poisonous to sheep and cattle in Nevada. C. E. Fleming.
Spanish translation by B. F. Schappelle. 1918. 51 p. Nev. Agr. Expt.
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190. Idaho Agr. Expt. Sta. Bul. 37.
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