

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Papers of John E. Weaver (1884-1956)

Agronomy and Horticulture Department

1980

Bibliography of J. E. Weaver

Follow this and additional works at: <https://digitalcommons.unl.edu/agronweaver>



Part of the [Agriculture Commons](#), [Natural Resources and Conservation Commons](#), [Natural Resources Management and Policy Commons](#), [Other Environmental Sciences Commons](#), and the [Plant Sciences Commons](#)

This Article is brought to you for free and open access by the Agronomy and Horticulture Department at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Papers of John E. Weaver (1884-1956) by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

BIBLIOGRAPHY OF J. E. WEAVER

1914

Weaver, John Ernst. 1914. Evaporation and plant succession in southeastern Washington and adjacent Idaho. *Plant World*. 17:273-294.

1915

Humphrey, Harry B., and John Ernst Weaver. 1915. Natural reforestation in the mountains of northern Idaho. *Plant World*. 18:31-47.

Weaver, John Ernst. 1915. A study of the root-systems of prairie plants in southeastern Washington. I. *Plant World*. 18:227-248.

Weaver, John Ernst. 1915. A study of the root-systems of prairie plants in southeastern Washington. II (concluded). *Plant World*. 18:273-292.

1916

Weaver, J. E. 1916. The effects of certain rusts upon the transpiration of their hosts. *Minnesota Bot. Stud.* 4:379-408.

1917

Weaver, J. E. 1917. A study of the vegetation of southeastern Washington and adjacent Idaho. *Univ. Nebraska Stud.* XVII:1-133. Dup. 1

Weaver, J. E., and Albert F. Thiel. 1917. Ecological studies in the tension zone between prairie and woodland. *Bot. Surv. Nebraska*. No. 1 (new series). 60 p. Dup. 11

1918

Pool, R. J., J. E. Weaver, and F. C. Jean. 1918. Further studies in the ecotone between prairie and woodland. *Univ. Nebraska Stud.* XVIII:7-47. Dup. 1

Weaver, J. E. 1918. The quadrat method in teaching ecology. *Plant World*. 21:267-283. Dup. 1

1919

Weaver, J. E. 1919. The ecological relations of roots. *Carnegie Inst. Washington Pub.* No. 286. 128 p.

Weaver, J. E., and A. Mogensen. 1919. Relative transpiration of coniferous and broad-leaved trees in autumn and winter. *Bot. Gaz.* 68:393-424.

1920

Weaver, J. E. 1920. Root development in the grassland formation. Carnegie Inst. Washington Pub. No. 292. 151 p.

1922

Weaver, J. E., and John W. Crist. 1922. Relation of hardpan to root penetration in the Great Plains. Ecology. III:237-249.

Weaver, J. E., Frank C. Jean, and John W. Crist. 1922. Development and activities of roots of crop plants. Carnegie Inst. Washington Pub. No. 316. 117 p.

1924

Bruner, W. E., and J. E. Weaver. 1924. Size and structure of leaves of cereals in relation to climate. Univ. Nebraska Stud. XXIII:1-37. Dup. 1

Crist, John W., and J. E. Weaver. 1924. Absorption of nutrients from subsoil in relation to crop yield. Bot. Gaz. 77:121-148.

Clements, F. E., and J. E. Weaver. 1924. Experimental vegetation. Carnegie Inst. Washington Pub. No. 355. 172 p.

Jean, Frank C., and John E. Weaver. 1924. Root behavior and crop yield under irrigation. Carnegie Inst. Washington Pub. No. 357. 66 p.

Weaver, J. E. 1924. Plant production as a measure of environment: a study in crop ecology. J. Ecol. XII:205-237.

Weaver, J. E., and John W. Crist. 1924. Direct measurement of water loss from vegetation without disturbing the normal structure of the soil. Ecology. V:153-171.

Weaver, J. E., Joseph Kramer, and Maud Reed. 1924. Development of root and shoot of winter wheat under field environment. Ecology. V:26-50. Dup. 1

1925

Weaver, J. E. 1925. Investigations on the root habits of plants. Amer. J. Bot. XII:502-509. Dup. 1

Weaver, J. E., H. C. Hanson, and J. M. Aikman. 1925. Transect method of studying woodland vegetation along streams. Bot. Gaz. 80:168-187.

1926

Weaver, J. E. 1926. Root development of field crops. McGraw-Hill Book Co., Inc. New York. 291 p.

1927

Weaver, J. E. 1927. Some ecological aspects of agriculture in the prairie. Ecology. VIII:1-17. Dup. 1

Weaver, J. E., and W. E. Bruner. 1927. Root development of vegetable crops. McGraw-Hill Book Co., Inc. New York. 351 p.

1929

Clements, F. E., J. E. Weaver, and H. C. Hanson. 1929. Plant competition. Carnegie Inst. Washington Pub. No. 398. 340 p.

Weaver, J. E., and F. E. Clements. 1929. Plant ecology. McGraw-Hill Book Co., Inc. New York. 520 p.

Weaver, J. E., and W. J. Himmel. 1929. Relation between the development of root system and shoot under long- and short-day illumination. Plant Physiol. 4:435-457. Dup. 1

1930

Weaver, J. E. 1930. Underground plant development in its relation to grazing. Ecology. XI:543-557. Dup. 1

Weaver, J. E., and W. J. Himmel. 1930. Relation of increased water content and decreased aeration to root development in hydrophytes. Plant Physiol. 5:69-92. Dup. 11

1931

Weaver, J. E. 1931. Who's who among the prairie grasses. Ecology. XII:623-632. Dup. 1

Weaver, J. E., and W. J. Himmel. 1931. The environment of the prairie. Univ. Nebraska Conserv. and Surv. Div. Bull. 5. 50 p. Dup. 1

1932

Weaver, J. E., and T. J. Fitzpatrick. 1932. Ecology and relative importance of the dominants of tall-grass prairie. Bot. Gaz. 93:113-150. Dup. 1

Weaver, J. E., and J. Kramer. 1932. Root system of Quercus macrocarpa in relation to the invasion of prairie. Bot. Gaz. 96:51-85.

1933

Biswell, Harold H., and J. E. Weaver. 1933. Effect of frequent clipping on the development of roots and tops of grasses in prairie sod. Ecology. XIV:368-390. Dup. 1

1934

Weaver, J. E., and T. J. Fitzpatrick. 1934. The prairie. *Ecol. Monogr.* 4:109-295.

Weaver, J. E., and Evan L. Flory. 1934. Stability of climax prairie and some environmental changes resulting from breaking. *Ecology.* XV:333-347. Dup. 1

1935

Weaver, J. E., and George W. Harmon. 1935. Quantity of living plant materials in prairie soils in relation to run-off and soil erosion. *Univ. Nebraska Conserv. Surv. Div. Bull.* 8. 53 p. Dup. 1

Weaver, J. E., V. H. Hougren, and M. D. Weldon. 1935. Relation of root distribution to organic matter in prairie soil. *Bot. Gaz.* 96:389-420. Dup. 1

Weaver, J. E., and Joseph Kramer. 1935. Relative efficiency of roots and tops of plants in protecting the soil from erosion. *Science.* 82:354-355.

Weaver, J. E., and Wm. C. Noll. 1935. Comparison of runoff and erosion in prairie, pasture, and cultivated land. *Univ. Nebraska Conserv. Surv. Div. Bull.* 11. 37 p. Dup. 1

Weaver, J. E., and Wm. Noll. 1935. Measurement of run-off and soil erosion by a single investigator. *Ecology.* XVI:1-12. Dup. 1

Weaver, J. E., L. A. Stoddart, and Wm. Noll. 1935. Response of the prairie to the great drought of 1934. *Ecology.* XVI:612-629. Dup. 11

1936

Kramer, Joseph, and J. E. Weaver. 1936. Relative efficiency of roots and tops of plants in protecting the soil from erosion. *Univ. Nebraska Conserv. Surv. Div. Bull.* 12. 94 p.

Weaver, J. E., and F. W. Albertson. 1936. Effects of the great drought on the prairies of Iowa, Nebraska, and Kansas. *Ecology.* 17:567-639. Dup. 1

1938

Weaver, John E., and Frederic E. Clements. 1938. *Plant Ecology.* 2nd Edition. McGraw-Hill Book Co., Inc. New York. 601 p.

1939

Bukey, F. S., and J. E. Weaver. 1939. Effects of frequent clipping on the underground food reserves of certain prairie grasses. *Ecology.* 20:246-252. Dup. 1

Shivley, S. B., and J. E. Weaver. 1939. Amount of underground plant materials in different grassland climates. *Univ. of Nebraska Conserv. Surv. Div. Bull.* 21. 68 p. Dup. 1

Weaver, J. E., and F. W. Albertson. 1939. Major changes in grassland as a result of continued drought. Bot. Gaz. 100:576-591. Dup. 1

Weaver, J. E., and Walter W. Hansen. 1939. Increase of Sporobolus cryptandrus in pastures of eastern Nebraska. Ecology. 20:374-381. Dup. 1

Weaver, J. E., and V. H. Hougen. 1939. Effect of frequent clipping on plant production in prairie and pastures. Amer. Midland Natur. 21:396-414. Dup. 1

1940

Fowler, R. L., and J. E. Weaver. 1940. Occurrence of a disease of sideoats grama. Bull. Torrey Bot. Club. 67:503-508.

Weaver, J. E., and F. W. Albertson. 1940. Deterioration of grassland from stability to denudation with decrease in soil moisture. Bot. Gaz. 101:598-624. Dup. III

Weaver, J. E., and F. W. Albertson. 1940. Deterioration of midwestern ranges. Ecology. 21:216-236. Dup. II

Weaver, J. E., Joseph H. Robertson, and Robert L. Fowler. 1940. Changes in true-prairie vegetation during drought as determined by list quadrats. Ecology. 21:357-362. Dup. 1

1941

Weaver, J. E., and W. W. Hansen. 1941. Native midwestern pastures: their origin, composition, and degeneration. Univ. Nebraska Conserv. Surv. Div. Bull. 22. 93 p.

Weaver, J. E., and W. W. Hansen. 1941. Regeneration of native midwestern pastures under protection. Univ. Nebraska Conserv. Surv. Div. Bull. 23. 91 p. Dup. 1

1942

Albertson, F. W., and J. E. Weaver. 1942. History of the native vegetation of western Kansas during seven years of continuous drought. Ecol. Monogr. 12:23-51. Dup. III

Mueller, Irene M., and J. E. Weaver. 1942. Relative drought resistance of seedlings of dominant prairie grasses. Ecology. 23:387-398. Dup. 1

Weaver, J. E. 1942. Competition of western wheat grass with relict vegetation of prairie. Amer. J. Bot. 29:366-372. Dup. 1

Weaver, J. E., and Irene M. Mueller. 1942. Role of seedlings in recovery of midwestern ranges from drought. Ecology. 23:275-294. Dup. 1

1943

Weaver, J. E. 1943. Replacement of true prairie by mixed prairie in eastern Nebraska and Kansas. Ecology. 24:421-434. Dup. II

Weaver, J. E., and F. W. Albertson. 1943. Resurvey of grasses, forbs, and underground plant parts at the end of the Great Drought. *Ecol. Monogr.* 13:64-117. Dup. 11

1944

Albertson, F. W., and J. E. Weaver. 1944. Effects of drought, dust, and intensity of grazing on cover and yield of short-grass pastures. *Ecol. Monogr.* 14:1-29. Dup. 1

Weaver, John E. 1944. Recovery of midwestern prairies from drought. *Proc. Amer. Phil. Soc.* 88:125-131. Dup. 1

Weaver, J. E. 1944. North American prairie. *Amer. Scholar.* 13:329-339. Dup. 1

Weaver, J. E., and F. W. Albertson. 1944. Nature and degree of recovery of grassland from the Great Drought of 1933 to 1940. *Ecol. Monogr.* 14:393-479. Dup. 1

Weaver, J. E., and R. W. Darland. 1944. Grassland patterns in 1940. *Ecology.* 25:202-215. Dup. 1

1945

Albertson, F. W., and J. E. Weaver. 1945. Injury and death or recovery of trees in prairie climate. *Ecol. Monogr.* 15:393-433. Dup. 1

Darland, R. W., and J. E. Weaver. 1945. Yields and consumption of forage in three pasture-types: an ecological analysis. *Univ. Nebraska Conserv. Surv. Div. Bull.* 27. 76 p. Dup. 1111

Weaver, J. E., and W. E. Bruner. 1945. A seven-year quantitative study of succession in grassland. *Ecol. Monogr.* 15:297-319. Dup. 1

Weaver, J. E., and Ellen Zink. 1945. Extent and longevity of the seminal roots of certain grasses. *Plant Physiol.* 20:359-379. Dup. 1

1946

Albertson, F. W., and J. E. Weaver. 1946. Reduction of ungrazed mixed prairie to short grass as a result of drought and dust. *Ecol. Monogr.* 16:449-463. Dup. 1

Weaver, J. E., and Ellen Zink. 1946. Annual increase of underground materials in three range grasses. *Ecology.* 27:115-127. Dup. 1

Weaver, J. E., and Ellen Zink. 1946. Length of life of roots of ten species of perennial range and pasture grasses. *Plant Physiol.* 21:201-217. Dup. 1

1947

Weaver, J. E. 1947. Rate of decomposition of roots and rhizomes of certain range grasses in undisturbed prairie soil. *Ecology.* 28:221-240. Dup. 1

Weaver, J. E., and R. W. Darland. 1947. A method of measuring vigor of range grasses. *Ecology*. 28:146-162. Dup. 1

1948

Weaver, J. E., and R. W. Darland. 1948. Changes in vegetation and production of forage resulting from grazing lowland prairie. *Ecology*. 29:1-29. Dup. 111

Weaver, J. E., and W. E. Bruner. 1948. Prairies and pastures of the Dissected Loess Plains of central Nebraska. *Col. Monogr.* 18:507-549. Dup. 1

1949

Weaver, J. E., and R. W. Darland. 1949. Quantitative study of root systems in different soil types. *Science*. 110:164-165.

Weaver, J. E., and R. W. Darland. 1949. Soil-root relationships of certain native grasses in various soil types. *Ecol. Monogr.* 19:303-338. Dup. 1

1950

Weaver, J. E. 1950. Effects of different intensities of grazing on depth and quantity of roots and grasses. *J. Range Manage.* 3:100-113. Dup. 11

Weaver, J. E. 1950. Stabilization of midwestern grassland. *Ecol. Monogr.* 20:253-270. Dup. 11

Weaver, J. E., and John W. Voigt. 1950. Monolith method of root-sampling in studies on succession and degeneration. *Bot. Gaz.* 111:286-299. Dup. 11

1951

Voigt, J. W., and J. E. Weaver. 1951. Range condition classes of native midwestern pasture: an ecological analysis. *Ecol. Monogr.* 21:39-60. Dup. 11

Weaver, J. E., and G. W. Tomanek. 1951. Ecological studies in a midwestern range: the vegetation and effects of cattle on its composition and distribution. *Univ. Nebraska Conserv. Surv. Div. Bull.* 31, 82 p.

1952

Weaver J. E., and N. W. Rowland. 1952. Effects of excessive natural mulch on development, yield, and structure of native grassland. *Bot. Gaz.* 114:1-19. Dup. 11

1953

Branson, Farrel, and J. E. Weaver. 1953. Quantitative study of degeneration of mixed prairie. *Bot. Gaz.* 114:397-416. Dup. 1

Fox, R. L., J. E. Weaver, and R. C. Lipps. 1953. Influence of certain soil-profile characteristics upon the distribution of the roots of grasses. *Agron. J.* 45:583-589. Dup. 1

1954

- Weaver, J. E. 1954. A seventeen-year study of plant succession in prairie. Amer. J. Bot. 41:31-38. Dup. 11
- Weaver, J. E. 1954. North American Prairie. Johnsen Publ. Co. Lincoln, Nebraska. 348 p.
- Weaver, J. E., and W. E. Bruner. 1954. Nature and place of transition from true prairie to mixed prairie. Ecology. 35:117-126. Dup. 11

1956

- Weaver, J. E., and F. W. Albertson. 1956. Grasslands of the Great Plains, their nature and use. Johnsen Publ. Co. Lincoln, Nebraska. 395 p.

1958

- Weaver, J. E. 1958. Summary and interpretation of underground development in natural grassland communities. Ecol. Monogr. 28:55-78.
- Weaver, J. E. 1958. Classification of root systems of forbs of grassland and a consideration of their significance. Ecology. 39:393-401. Dup. 1
- Weaver, J. E. 1958. Native grassland of southwestern Iowa. Ecology. 39:733-750.

1960

- Weaver, J. E. 1960. Flood plain vegetation of the central Missouri Valley and contacts of woodland with prairie. Ecol. Monogr. 30:37-64. Dup. 1
- Weaver, J. E. 1960. Comparison of vegetation of the Kansas-Nebraska Drift-Loess Hills and Loess Plains. Ecology. 41:73-88. Dup. 111
- Weaver, J. E. 1960. Extent of communities and abundance of the most common grasses in prairie. Bot. Gaz. 122:25-33. Dup. 11

1961

- Weaver, J. E. 1961. Return of midwestern grassland to its former composition and stabilization. C.C. Adams Center Ecol. Stud. Western Michigan Univ. Occasional Papers. 3:1-15. Dup. 1
- Weaver, J. E. 1961. The living network in prairie soils. Bot. Gaz. 123:16-28. Dup. 11

1963

- Weaver, J. E. 1963. The wonderful prairie sod. J. Range Manage. 16:165-171. Dup. 11