

PUBLICATIONS.

PRESS BULLETIN, No. 9.

UNIVERSITY OF MINNESOTA AGRICULTURAL EXPERIMENT STATION.

A Complete List of Publications--1888 to 1897, inclusive.

- BULLETIN 1.**—January, 1888—Russian Apples; Wheat; Potato Culture. Exhausted.
- BULLETIN 2.**—April, 1888—Silos and Ensilage Corn, Varieties. Beets and Other Roots, Varieties. Exhausted.
- BULLETIN 3.**—Apples, Russian; Natural and Artificial Fertilization of Plants; Rocky Mountain Locusts in Otter Tail County, 1888. Exhausted.
- BULLETIN 4.**—Warming Water for Milch Cows and for Steers; Fungus Diseases of Chinch Bugs and Locusts; Tuberculosis. Exhausted.
- BULLETIN 5.**—Corn, Roots, Planting and Cultivating; Notes on Ears and Suckers; Russian Willows and Poplars, Propagation by Cuttings; Plums, Native; Cabbages, Varieties; Potatoes, New Method of Cultivation. Wheat, Frosted and Rusted; Effects of Low Temperature on Plant Life. Exhausted.
- BULLETIN 6.**—Wheat, Frosted, Rusted and Stack Burned. Exhausted.

BULLETIN 7.—Soil Temperatures; Corn, Varieties, Selection and Crossing; Butter; Green House Walls, Construction of; Potatoes, Varieties; Wheat, Chemistry of; Influence of Food on Growth of Skull and Teeth of Pigs. Exhausted

BULLETIN 8.—Siloing Clover; Manures, Sources of Home Made; Wheat, By-Products of; Locusts in Otter Tail County in 1889. Exhausted.

BULLETIN 9.—Willows and Poplars, Varieties, Insects Affecting. Exhausted.

BULLETIN 10.—Onions on Plowed and Unplowed Land; Cabbage, Varieties; Plums, Native; Killing Curculio on with London Purple, Rollingstone; Grapes, Bagging; Potatoes, Depth to Plant; Oak Caterpillars. Exhausted.

BULLETIN 11.—Corn Pruning Roots; Deep vs. Shallow Cultivation; Cross Fertilization and Selection; Peas; Beans, Flax and Other Crops; Result of Seeding Rusted, Frosted and Frozen Wheat of 1888. Exhausted.

BULLETIN 12.—Meadows and Pastures in Minnesota; Cauliflower Seed, American Grown; Preserving Vegetables in Carbonic Acid Gas—Circular Letter No. 2, Protection From Frost. Exhausted.

BULLETIN 13.—Flax, Treatise on Culture of. Exhausted.

BULLETIN 14.—Swine Feeding for Profit; Swine Breeding; Sugar Beets, Their Cultivation; The Process of Manufacture, Etc. Exhausted.

BULLETIN 15.—Wheat, Comparison of Foreign and Native Varieties; Selection; Changing of Seed. Exhausted.

BULLETIN 16.—Sheep Scab, How to Cure It.

BULLETIN 17.—Migratory Locusts in Minnesota in 1891.

- BULLETIN 18.—Fruits; Notes on Strawberries and Raspberries, 1891; Sand Cherries; Buffalo Berry and Russian Mulberry; Evergreens From Seed; Summer Propagation of Hardy Plants. Exhausted.
- BULLETIN 19.—Dehorning Experiments; Cream Raising by Cold, Deep Setting; Cheese Making—Incorporating Cream Into Cheese, Etc. Babcock Test and Churn. Exhausted.
- BULLETIN 20.—Fertilizers. Timothy, Improvement of. Rape Peas and Oats.
- BULLETIN 21.—Sugar Beets. Sorghum.
- BULLETIN 22.—Comparison of Corn; Barley; Corn and Shorts; Barley and Shorts; Shorts and Oilmeal; and Barley, Shorts and Oilmeal in the Ration of Growing Pigs; Corn vs. Barley for Fattening Hogs; Cornmeal, Barley Meal and a Mixture of Barley Meal and Oilmeal Compared; Wet vs. Dry Feed. Exhausted.
- BULLETIN 23.—Wheat; Milling and Baking Tests; Co-operative Tests With Selected Seed Wheat; The Frit Fly. Report Upon an Insect Injurious to Wheat.
- BULLETIN 24.—Ornamental and Timber Trees, Shrubs and Herbaceous Plants; Notes on Hardiness and Desirability. Exhausted.
- BULLETIN 25.—Small Fruits; Notes From Trial Stations; Renewing Old Strawberry Beds; Shading Strawberry Beds; Seeding Fruits; Analyses of Grapes; Spraying Grape Vines.
- BULLETIN 26.—Digestion Experiments on Milch Cows, Pea Ensilage, Wheat Bran; on Pigs, Barley, Shorts, Barley, Corn and Shorts, Corn, Shorts, Corn and Bran, Peas and Bran, Peas, Bran.
- BULLETIN 27.—Feeding Stuff, Composition of Fodders, Wheat and Mill Products. Dairy Products. Composition of Sugar Beets.

BULLETIN 28.—Insects; Popular Classification of; Their Relation to Agriculture.

BULLETIN 29.—Wheat; Heavy and Light Weight Seed, Vigor of Growth of the Plant; The Draft of the Wheat Plant Upon the Soil in Different Stages of Its Growth.

BULLETIN 30.—Soils; Composition of Native and Cultivated; Effects of Continuous Cultivation Upon Their Fertility.

BULLETIN 31.—Lambs; Practical Rations for; Also Lambs vs. Wethers, for Fattening. Field Experiments in 1893; Oats, Corn, Wheat, Potatoes.

BULLETIN 32.—Late Blight and Rot of the Potato; Potato Scab. Cross Fertilization of Grapes. Conservation of Moisture in the Soil. Fruits; Notes on Varieties.

BULLETIN 33.—July—The Russian Thistle.

BULLETIN 34.—September—The Chemical Development and Value of Red Clover; The Russian Thistle—Its Food Value and Draft Upon the Soil.

BULLETIN 35.—October—Dairy Herd Record for 1893; Cost of Butter Production in Winter; Comparing Prairie With Timothy Hay; Rearing Dairy Calves; Co-operative Creameries; Experiments in Sweet Curd Cheese. Exhausted.

BULLETIN 36.—November—Miscellaneous Analyses of Feeding Stuffs. The Digestibility of Wheat.

BULLETIN 37.—December—The Chinch Bug.

BULLETIN 38.—December—Garden Tillage and Implements.

BULLETIN 39.—December—Potatoes, Variety Tests, Blight and Internal Brown Rot; Tomatoes—Variety Tests, Training; Strawberries—Variety Tests; Apple Tree Sun-scald; Raspberries—Variety Tests, Cane Rust.

BULLETIN 40.—December—Forage and Grain Crops—Varieties Corn for Minnesota; Silage of Dent, Flint, Sweet

and Southern Ensilage Corn Compared as Foods for Dairy Cows; Better Varieties of Corn by Breeding; Corn Cultivation. Wheats—Variety Tests; Varieties Selected for Propagation; Improving Wheats by Crossing and Selecting. Barley—Variety Tests. Flax—Variety Tests. Peas—Variety Tests. Millet—Variety Tests; Thickness of Seeding, Methods of Seeding, Rolling to Prevent Lodging; Succotash of Small Grains; Hay Production by Seeding Annual Crops; Tests of Grain Seeding Implements and Best Time of Planting Wheat and Oats; Time and Depth of Sowing Wheat, Oats, Barley and Flax; Field Management and Rotation of Crops; Smut in Wheat.

BULLETIN 41.—Soils. The Essential Elements of Soil Fertility; Humus as a Factor of Soil Fertility; The Chemical and Mechanical Analyses of Soils; The Action of Organic and Mineral Acids Upon Soils; Comparison of Different Methods of Farming Upon the Conservation of Soil Fertility.

BULLETIN 42.—Composition, Digestibility and Food Value of Potatoes.

BULLETIN 43.—Insects Injurious in 1895. Exhausted.

BULLETIN 44.—Fattening Steers in Winter; Fattening Lambs in Winter.

BULLETIN 45.—Potatoes—Variety Tests; Treatment for Potato Scab and Blight, Internal Brown Rot. Tomatoes—Variety Tests; Treatment for Rot. Small Fruits—Variety Tests; Spray Pumps, a New Form of and a Strainer For.

BULLETIN 46.—Forage and Grain Crops. Cross Rotation Experiments. Smut in Wheat., Three Annual Weeds. Tillage Experiments. Meteorological Records.

BULLETIN 47.—Flax—The Draft of Flax on the Soil, and the Composition of Flax Soils. The Feeding Value of Flax Products.

BULLETIN 48.—Insects Injurious in 1896.

BULLETIN 49.—Rate of Increase on the Cut-over Timber Lands of Minnesota.

BULLETIN 50.—Progress at the Several Experiment Farms in 1896. Beans—Variety Tests. Barley—Variety Tests. Corn—Variety Tests. Oats—Variety Tests. Wheat—Variety Tests. Wheat—Smallest vs. Largest vs. Hardest Kernels for Seed. Rotation of Crops; Cross Rotation Experiments. Sugar Beets, Cost Per Acre and Per Ton. Root Crops—Variety Tests.

BULLETIN 51.—Bovine Tuberculosis.

BULLETIN 52.—Potatoes—Variety Tests in 1896. Potato Implements.

BULLETIN 53.—Effects of the Rotation of Crops Upon the Humus Content and the Fertility of Soils. Production of Humus From Manures.

BULLETIN 54.—Human Food Investigations. The Digestibility and Composition of Bread. The Loss of Food Value by Prolonged Fermentation in Bread Making. The Digestibility of Potatoes, and the Loss of Food Value When Potatoes, Carrots and Cabbages Are Boiled in Different Ways. The Rational Feeding of Men.

All reports of the Agricultural Department of the University of Minnesota prior to the organization of the Experiment Station in 1888 are now out of print.

Supplement I. of the Biennial Report of the Board of Regents, 1888. Exhausted.

Biennial Report Minnesota Experiment Station 1890. Exhausted.

Biennial Report Minnesota Experiment Station with Bulletins 19-25, bound 1892. Exhausted.

- Annual Report 1893. Contains Bulletins 26-32 inclusive; also the following articles. A Digestion Flask for Obtaining the Acid Solution in Soil Analyses; Humus Notes on the Grandeau Method of Determination; Soils, Analyses of; Bacteria in Their Relation to the Dairy; A Record of the Dairy Herd on the University Farm for 1892. Exhausted.
- Annual Report 1894. Contains Bulletins 33-40 inclusive; also the annuals of the College of Agriculture, the School of Agriculture, the Dairy School, and the Summer School for Women. Few copies for Public Libraries only.
- Annual Report 1895. Contains Bulletins 41-46 inclusive; also the annuals of the College of Agriculture, the School of Agriculture, the Dairy School and the Summer School for Women.
- Annual Report 1896. Contains Bulletins 47-52 inclusive; also an article on the Technical Data of Tuberculin Experiment: a Meteorological Record for the year, and annuals of the College of Agriculture, the School of Agriculture and the Dairy School.
- PRESS BULLETIN No. 1.—February, 1894—Smut in Wheat.
- PRESS BULLETIN No. 2.—March, 1894—Organizing Co-Operative Creameries. Exhausted.
- PRESS BULLETIN No. 3.—March, 1895—Smut in Wheat.
- PRESS BULLETIN No. 4.—July, 1895—The Russian Thistle Law.
- PRESS BULLETIN No. 5.—December, 1895—Hog Cholera and Swine Plague. Exhausted.
- PRESS BULLETIN No. 6.—February, 1896—Smut in Wheat.
- PRESS BULLETIN No. 7.—April, 1896—Azoturia.
- PRESS BULLETIN No. 8.—April, 1897—Sugar Beets.
- PRESS BULLETIN No. 9.—December, 1897—A Complete List of Publications.

The Bulletins of this Station are published in editions of twenty thousand copies at irregular intervals during the year. By act of Congress they are to be sent "to such individuals actually engaged in farming as may request the same and as far as the means of the Station will permit." Our present mailing list contains over sixteen thousand names added by request. The Station is in daily receipt of letters asking for back Bulletins, and to avoid clerical work in replying to these inquiries and to give a resume of the work done, this Bulletin is prepared. Requests for back numbers will be granted until the supply is exhausted. Persons writing for those which cannot be supplied, will receive a copy of this Bulletin in reply.

Of the reports, only one thousand copies are issued annually, which are sent to the public libraries of this state and Experiment Station workers throughout the United States. It is therefore impossible to send them to all who may make application.

MINNESOTA EXPERIMENT STATION,

ST. ANTHONY PARK, MINN.,

Jan. 2, 1898.

WM. M. LIGGETT,

Director.