

SCIENTIFIC PAPERS OF STAFF MEMBERS

July 1, 1944 to June 30, 1945

Much of the research work of the scientific staff of the North Dakota Agricultural Experiment Station appears in the bulletins and circulars of the Station. Many of the more technical contributions are published in scientific journals, or in special trade journals. A list of sixteen such articles published during the period July 1, 1943 to June 30, 1944 appeared in Vol. VII, No. 3, January-February, 1945 issue of the Bimonthly Bulletin. Readers desiring reprints of these articles can usually secure them by addressing the author of the publication, in the case of joint authorship address the first name listed. The following list of publications covers the period July 1, 1944 to June 30, 1945:

Commodity or Subject	Title	Authors	Publication
Bees	The bacteriology of the apiary	C. I. Nelson, Bacteriologist	Report of the State Apiarist (Iowa) State of Iowa, Des Moines, Ia., pp. 66-69, 1945.
Birds	Blue-headed vireo	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 17:162
	Black duck	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 17:178
	Cormorants	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:2, 15
	Three-toed woodpeckers	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:18
	Rusty blackbird	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:34, 36
	Yellow-bellied sapsucker	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:50
	Wood-duck	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:66, 74
	Mourning warbler	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:82
	Connecticut warbler	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:98, 100
	Wilson's warbler	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:114
	Myrtle warbler	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:130, 144
	Bittern	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:146, 159
	Least Bittern	O. A. Stevens, Associate Botanist	North & South Dak. Hort. 18:162
	Fifteen Years of Bird Banding at Fargo, N. Dak.	O. A. Stevens, Associate Botanist	Bird Banding 15:139-144, Oct. 1944
Chicks	A report on the observation of a one-lung condition in chicks	J. O. Foss, Asst. Vet., & Alice I. Goldsby, Technician in Vet.	Poultry Science 24:No. 3, May 1945
Dairy Products	Final report of the sub-committee on the determination of fat in buttermilk, skimmilk and whey	C. Jensen, Assoc. Dairy Technologist	Jour. of Dairy Science 28:No. 4, pp. 325-327, 1945.
Education	What is education and what is dispensable	O. A. Stevens, Assoc. Botanist	Science 102:457-8, 1945
Flax (diseases)	Analytical key for the identification of physiologic races of <i>Melampsora lini</i> (flax rust)	H. H. Flor, Plant Pathologist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, & Agr. Engineering, A.R.A., U. S. D. A.	

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Flaxseed	Fat acid formation during oil deposition in flaxseed	E. P. Painter, Agr. Chemist	Archives of Biochem. 5:337-348, 1944
	The nitrogenous constituents of flaxseed. II. The isolation of a purified protein fraction	Bruno Vassel, Asst. Agr. Chemist & L. L. Nesbitt, Asst. Agr. Chemist	J. Biol. Chem. 159:571-584, 1945
	Some relationship between fat acid composition and the iodine number of linseed oil	E. P. Painter, Agr. Chemist	Oil and Soap 21:343-346, 1944
Insecticides	Farm stock insecticides	J. A. Munro, Agr. Entomologist	J. Econ. Entom. 37:350-351, 1944
Mastitis	A case of mastitis due to <i>Clostridium Perfringens</i>	J. O. Foss, Asst. Vet., & C. I. Nelson, Bacteriologist	North Am. Vet. 26:No. 10, Oct. 1945
Milkweeds	<i>Asclepias syriaca</i> and <i>A. speciosa</i> distribution and mass collections in North Dakota	O. A. Stevens, Assoc. Botanist	Am. Mid. Nat. 34:368-374, 4 figs., Sept. 1945
Plant Discovery	<i>Thesium linophyllon</i> in North Dakota, a first record for North America	O. A. Stevens, Assoc. Botanist	Rhodora 46:490, 1944
Pork	Influence of ration and storage in freezer lockers on the niacin potency of pork	F. W. Christensen, An. & Hu. Nutritionist, M. I. Wegner, Asst. An. Nutr., Eunice Kelly, Human Nutritionist	National Cooperative Project on Conservation of Nutritive Value of Foods. Progress Notes—Dec., 1944 3 pp.
Selenium	Selenium poisoning in live-stock	E. P. Painter, Agr. Chemist	Mich. State College Veterinarian 5:No. 1, 1944
Sheep	The gastrointestinal parasites of sheep in North Dakota	D. F. Eveleth, Veterinarian, & Alice I. Goldsby, Tech. in Vet.	Veterinary Medicine 40:No. 3, March, 1945
Sheep	Vitamin A deficiency in the production of pregnancy disease of sheep	J. O. Foss, Asst. Veterinarian and D. F. Eveleth, Veterinarian	Veterinary Medicine 39:No. 8 pp. 313-315, Aug., 1944
Sheep	Shikles syringe with the Whitlock nozzle for administering anthelmintics to sheep	D. F. Eveleth, Veterinarian and Alice I. Goldsby, Tech. in Vet.	Veterinary Medicine 39:No. 10, p. 388, October, 1944
Tomatoes	The effect of processing and storage on the Vitamin C (Ascorbic Acid) content of tomatoes	Eunice Kelly, Hu. Nutritionist, M. I. Wegner, Asst. An. & Hu. Nutr., Harold Mattson, Hort.	National Cooperative Project on Conservation of the Nutritive Value of Foods. Progress Notes—Dec., 1944, 3 pp.
Turkeys	Broadbreasts perform well in North Dakota experiments	J. E. Parker, Poultry Husbandman	Turkey World 20:No. 1
Vegetables	The effect of processing and storage on the niacin and riboflavin content of vegetables	Eunice Kelly, Hu. Nutritionist, M. I. Wegner, Asst. An. & Hu. Nutr., Harold Mattson, Hort.	National Cooperative Project on Conservation of the Nutritive Value of Foods. Progress Notes—Dec., 1944, 2 pp.

Commodity or Subject	Title	Authors	Publication
Wheat (carbohydrates)	The carbohydrates of wheat flour	R. H. Harris, Cereal Technologist	Bakers' Digest 19:(3), 65-67, 1945
Wheat (gluten)	Comparative effects of absorption and temperature on mixogram patterns of different wheat varieties	R. H. Harris, Cer. Technologist, L. D. Sibbitt, Asst. Cer. Technologist	Bakers' Digest 19:(1), 5-9, 1945
Wheat (proteins)	The effect of electrolytes upon the thermal fractions of alcoholic acetic acid dispersions of gluten protein	R. H. Harris, Cer. Technologist & Madelyn Johnson, Lab. Asst.	Arch. Biochem. 8:(1), 135-143, 1945
	A comparison of the baking quality of five hard red spring wheats at corresponding protein levels	R. H. Harris, Cereal Technologist	Bakers' Digest, Aug. 1944 5 pp.
	Some observations on the thermal fractionation of gluten protein from acetic acid-ethyl alcohol dispersions	R. H. Harris, Cer. Technologist & Madelyn Johnson, Lab. Asst.	Arch. Biochem. 6:(2), 231-241 1945
Wheat (quality)	Comparative effects of variety and environment on some properties of North Dakota hard red spring wheat flours	R. H. Harris, Cer. Technologist L. D. Sibbitt, Asst. Cer. Tech., & G. M. Scott, Asst.	Cereal Chem. 22:(1), 75-81, 1945
Wheat	The effect of temperature differences on some mixogram properties of hard red spring wheat flours	R. H. Harris, Cer. Technologist L. D. Sibbitt, Asst. Cer. Tech., & G. M. Scott, Asst.	Cereal Chem., 21:(5), 374-385 Sept., 1944