

**CONTRIBUTIONS TO SCIENTIFIC JOURNALS
AND REPORTS BY STATION STAFF**

July 1, 1948 to June 30, 1949

The following list reports all station scientific publications except those reported in the regular bulletins of the Station and in the Bimonthly Bulletin of the Station. The reader is referred to the Annual Index in this number of the Bimonthly Bulletin for numerous articles by the staff.

From the Department of Agricultural Economics

Schickele, Rainer

"Comments on a Grass Roots Program."
Farm Policy Forum, Vol. II, No. 2, April 1949, pp. 49-52, Iowa State College, Ames.

From the Department of Agricultural Entomology

Gary, N. D., Nelson, C. I., and Munro, J. A.

"Serological Evidence of Resistance of Larvae and Workers to *Bacillus Larvae*."
Journal of Economic Entomology 41: (4) 661, January 1949.

Munro, J. A.

"Fly Versus Weevil: New Hope for Sweet Clover."
The Southern Beekeeper: 3:6-7, January 1949.

Munro, J. A.

"How Insects Affect Legumes."
Gleanings in Bee Culture 76:221,261, April 1948.

Munro, J. A. and Post, R. L.

"Parasites To and In the Control of Sweet Clover Weevil."
Science 108: p. 609, November 26, 1948.

Munro, J. A., Leraas, M. A., and Nostdahl, W. D.

"Biology and Control of the Sweet Clover Weevil"
Journal of Economic Entomology 42:318-321, April, 1949.

Munro, J. A.

"It's Easy to Make an Insect Collection."
North Dakota Outdoors XI: 14-15, June 1949.

Munro, J. A.

"Our Battle Against the Sweet Clover Weevil."
Report of the Iowa State Apiarist for 1948; pp. 78-81, February 1, 1949.

Munro, J. A.

"Apiary Inspection Goals"
Gleanings in Bee Culture 77:210-211, 245, April, 1949.

Post, Richard L., Colberg, Wayne J., and Munro, J. A.

"Results of Spraying and Dusting Potatoes in North Dakota for 1946 and 1947."
The American Potato Journal; 25: pp. 334-339, September 1948.

Post, Richard L.

"Mosquitoes Can be Controlled in Recreational Areas."
Parks and Recreation 32:336-340, June, 1949.

From the Department of Agronomy

Smith, Glenn S.

"Transgressive Segregations for Earliness in Durum Wheat Crosses."
Proc. N. Dak. Acad. of Science 11:17-18, 1949.

Waldron, L. R.

"Wheat Varieties—Old and New."
Proc. N. Dak. Acad. of Science 11:10-17, 1949.

From the Division of Animal Industry

Bolin, F. M. (Vet. Science) and Bolin, D. W. (Animal Nutrition)

"Effect of Thiorurea Upon the Conversion of Carotene Into Vitamin A in Sheep."
Proc. N. Dak. Acad. of Science 11:46-48, 1949.

Bolin, D. W. (An. Nutrition) and Klosterman, Earle W. (An. Nutrition.)

Schlamb, Kermit (Poultry Husbandry) and Bryant, Reece L. (Poultry Husbandry.)
"Growth Response Studies of Chicks with Addition of Methionine to Their Ration"
Proc. N. Dak. Acad. of Science 11:49-51.

Eveleth, D. F., Goldsby, Alice I., and Bolin, F. M., (Veterinary Science.)

"Sulfaquinoxaline in Field Cases of Pasteurellosis of Swine."
Vet. Medicine, 44 (7) 2 pp. July 1949.

Eveleth, D. F., Goldsby, Alice I., (Vet. Science) and Nelson, C. I. (Bacteriology)

"Fowl Cholera (Pasteurella Multocida)."
 Vet. Medicine 44 (2) February 1949, 6 pp.

Brady, L., Lutjen D., Bolin, D. W., and Klosterman, Earle W. (Animal Nutrition)

"A Rapid Method for the Oxidation of Organic Matter"
 Proc. N. Dak. Acad. of Science II:44-46, 1949.

From the Department of Botany

Helgeson, E. A.

"Control Weeds With 2,4-D."
 With Widdifield, R. B. Circular A-108, N. D. Extension Service.

Helgeson, E. A.

"Reaction of Mida Wheat Sprayed in Root Stage with Three Formulations of 2,4-D"
 Fifth Ann. North Cent. Weed Cont. Conf. Res. Rept. Dec. 1948. Abstract III No. 22.

Helgeson, E. A.

"Reaction of Some Spring Wheats Sprayed with Three Formulations of 2,4-D at Tillering."
 Fifth Annual North Central Weed Control Conference Research Report. Dec. 1948. Abstract III, No. 23.

Helgeson, E. A.

"Effect of Three Herbicides on Soybeans" With C. R. Swanson.
 Fifth Ann. North Cent. Weed Cont. Conf. Res. Rept. Dec. 1948. Abstract V, No. 33.

Helgeson, E. A.

"Summary of Weed Control Investigations in Sugar Beets at Fargo, N. D., and East Grand Forks, Minn. Conducted During the Summer, 1948. Pre-emergence Treatments."
 Fifth Ann. North Cent. Weed Cont. Conf. Res. Rept. Dec. 1948. Abstract V, No. 42.

Helgeson, E. A.

"Summary of Weed Control Investigation in Sugar Beets at Fargo, N. D., and East Grand Forks, Minn. Conducted During the Summer, 1948. Post-emergence Treatments."
 With Swanson, C. R. and Stahler, L. M. Fifth Ann. North Cent. Weed Cont. Conf. Res. Rept. Dec. 1948. Abstract V, No. 43.

Helgeson, E. A.

"Pre-emergence Weed Control in Potatoes." With C. R. Swanson.
 Fifth Ann. North Cent. Weed Cont. Conf. Res. Rept. Dec. 1948. Abstract V, No. 51.

Stevens, O. A.

"Wild Flowers of North Dakota."
 N. D. Ext. Serv. 5 pp. 1948.

Stevens, O. A.

"North Dakota Birds."
 N. D. Ext. Serv. 8 pp. 1948.

Stevens, O. A.

"Short-Billed Marsh Wren."
 North and South Dakota Horticulture 21:98.

Stevens, O. A.

"Long-Billed Marsh Wren."
 North and South Dakota Horticulture 21:144.

Stevens, O. A.

"The Water Thrush."
 North and South Dakota Horticulture 21:130.

Stevens, O. A.

"Oven-Bird"
 North and South Dakota Horticulture 21:146.

Stevens, O. A.

"Willow Ptarmigan."
 North and South Dakota Horticulture 22:2

Stevens, O. A.

"Mark Catesby, Pioneer Naturalist."
 North and South Dakota Horticulture 22:18.

- Stevens, O. A.
"King Rail."
North and South Dakota Horticulture 22:34.
- Stevens, O. A.
"Barred Owl."
North and South Dakota Horticulture 22:50.
- Stevens, O. A.
"Black-Throated Green Warbler."
North and South Dakota Horticulture 22:66.
- Stevens, O. A.
"Blackburnian Warbler."
North and South Dakota Horticulture 22:82.

From the Department of Cereal Technology

- Harris, R. H., Sibbitt, L. D., and Banasik, O. J.
"Effect of Synthetic Plant Growth Stimulants on Some Properties of Cereal Proteins and on Mixogram Patterns."
Cereal Chemistry 25 (4): July 1948.
- Harris, R. H., and Sibbitt, L. D.
"A Note on the Effect of Chlorine-Substituted Phenoxy Compounds on the Milling and Baking Quality of Hard Red Spring Wheat."
Cereal Chemistry 25 (4): July 1948.
- Banasik, O. J., Harris, R. H., and Sibbitt, L. D.
"The Use of Synthetic Plant Growth Stimulants in Cereal Industry."
Pro. N. Dak. Acad. of Science 2: 1949.
- Harris, R. H. and Sibbitt, L. D.
"Effect of Three Halogen Substituted Phenoxy Compounds on Milling and Baking Quality."
Pro. N. Dak. Acad. of Science: 2: 1949.

From the Department of Plant Pathology

- Hoyman, W. G.
"The Effect of Zinc-Containing Sprays and Dusts on Potatoes."
Amer. Potato Jour. 26:94-95. 1949 (Abstract)

NEW FRUITS AND VEGETABLES DEVELOPED BY THE DEPARTMENT OF HORTICULTURE NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION

Compiled by

J. H. SCHULTZ, PRINCIPAL HORTICULTURIST

The following compilation is a complete list of the introductions of this Station. All of these introductions, except that of Bounty tomato were by Dr. Albert F. Yeager, formerly horticulturist of this Station, now head of the Department of Horticulture at the University of New Hampshire, Durham, New Hampshire. Bounty tomato was introduced by Harold Mattson, Horticulturist, in 1941. Seeds and plants of these varieties may be available from commercial sources other than the one listed; if so the station will be happy to be advised. The Station has recently set up an "increase" project whereby a limited amount of foundation stock of these introductions may be obtained through the Department of Horticulture of the Station: