

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Agricultural Research Division News & Annual Reports

Agricultural Research Division of IANR

---

12-1972

## Agricultural Experiment Station News December 1972

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



Part of the [Agriculture Commons](#)

---

"Agricultural Experiment Station News December 1972" (1972). *Agricultural Research Division News & Annual Reports*. 221.

<https://digitalcommons.unl.edu/ardnews/221>

This Article is brought to you for free and open access by the Agricultural Research Division of IANR at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Agricultural Research Division News & Annual Reports by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.



UNIVERSITY OF NEBRASKA-LINCOLN  
 COLLEGE OF AGRICULTURE  
 THE AGRICULTURAL EXPERIMENT STATION  
 E. F. FROLIK, DEAN  
 H. W. OTTOSON, DIRECTOR

# Agricultural Experiment Station



Vol. 5, Number 6, December 1972

FROM THE DIRECTOR'S OFFICE

*Our Very Best Wishes to You  
 and Your Families for the  
 Holidays and for 1973*

Delores  
 Mary Ann  
 Mercedes

Howard  
 Bob  
 Warren

## ARS ORGANIZATION

The Agricultural Research Service, USDA, has 19 scientists and 18 support personnel located on the campus at Lincoln. At North Platte, there is 1 ARS scientist and 1 support person; and at Mitchell, 2 scientists and 1 support person. Also, there are presently 37 ARS employees (scientists and support) located at the U. S. Meat Animal Research Center. With the exception of naming Technical Advisors for specific areas of research (which will be done in the near future) the last steps have been taken to accomplish a major reorganization of ARS.

The new ARS organization is highly decentralized, with Deputy Administrators located in each of the four regions corresponding to the regional boundaries of the State Agricultural Experiment Station organization. Area Directors have responsibility for ARS programs in specific geographic areas, within a region, and Location Leaders serve a coordinating role for ARS programs at each location. Research Leaders have responsibility for specific programs of ARS research at each location. The Location Leader may also be, and usually is, a Research Leader for specific area of research.

ARS Research Leaders have been named for the following cooperative ARS programs at Lincoln: Electromagnetic Radiation, Stuart Nelson; Animal Waste Management, Tom McCalla (Acting); Wheat, Virgil Johnson; and Plant Science and Entomology, Herman Gorz. Herman Gorz is also the ARS Location Leader at Lincoln. Also, Location and Research Leaders have been named for ARS cooperative programs at North Platte, Mitchell and the U. S. Meat Animal Research Center.

The ARS Deputy Administrator (Earl Glover) for the North Central Region is located at Peoria, Illinois; and the Acting Area Director (Keith Gregory) for Nebraska-Kansas is located at the U. S. Meat Animal Research Center, Clay Center, Nebraska.

Technical Advisors, when named, will be available to provide counsel to individual scientists on technical matters, as well as to advise Research Leaders, Area Directors and Deputy Administrators on technical problems.

Keith Gregory

## PERSONNEL ACTIONS

Adams, Charles H. - Prof. of Animal Sci. - (ret. to duties in Animal Sci. Dept.)  
Eastin, Jerry D. - Professor of Agronomy (leave of absence)  
Ford, Willie D. - Asso. Prof. of Food and Nutrition, Ag. Ext. (new appointment)  
Wagner, Fred W. - Assistant Prof. - Biochem. and Nutrition (ret. from leave of absence)

## GRANTS AND CONTRACTS

Brakke, Myron K. - Plant Pathology - USDA, ARS	\$3,500
Burnside, Orvin C. - Agronomy - Farmland Industries, Inc.	2,000
Campbell, J. B. - North Platte Station - Shell Chemical Company	1,750
Ellington, Earl F. - Animal Science - G. D. Searle and Company	2,000
Farlin, Stanley D. and Terry Klopfenstein - Animal Science - Eli Lilly and Co.	5,000
Kendrick, James G. - Agricultural Economics - Neb. Ag. Pro. Indust. Utiliz. Comm.	1,950
Mayo Z. B. and H. J. Ball - Entomology - FMC Corporation	1,000
Sander, Donald H. and Kenneth D. Frank - Agronomy - Garst and Thomas Corn Co.	2,500
Twiehaus, M. J. - Veterinary Science - Nebraska Pork Producers Inc.	6,000
Ward, John K. - Animal Science - Hesston Corporation	3,800

## GENERAL NOTES

1. Dean Frolik has accepted a special AID assignment in Vietnam for the months of January and February. He and Director Alcorn of California are to develop a peace time plan for agricultural research and extension for South Vietnam. Director Ottoson will be Acting Dean during this period.
2. Dr. Don Burzlaff is leaving his vice-chairman's office December 15 and will be going to Texas Tech as Chairman of their Range and Wildlife Department. His 20 years with the University of Nebraska have been highly productive and he will be much missed. We wish him well in his new work.
3. Congratulations to recent award recipients:  
Ernie Peo - Gamma Sigma Delta - Distinguished Teaching Award  
Harold Stevens and Clare Porter - Gamma Sigma Delta - Awards of Merit for Distinguished Service to Agriculture.  
Dave McGill - American Soc. of Agronomy - Distinguished Teaching Award
4. Dr. Sahs reports that seriously delayed harvesting is now well along: Corn losses are minimal to date, sorghum losses are moderate to severe and soybeans were harvested with minimal losses but high moisture.
5. Recent program reviews include a very productive comprehensive Agronomy review by CSRS sponsored team composed of Dr. McAlister (Arizona), Dr. Burton (Georgia), Director Hueg (Minn.) and Dr. Dubroven (Colo.). The state-federal cooperative program in livestock waste management was also reviewed November 29 and 30. Both these reviews provide bases for future program planning.
6. Extension - Experiment Station Workers Conference January 9-11 at the Nebraska Center.
7. Only he who is lying on the ground cannot fall.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - November 1972

3503. Detection of Carbonyl Sulfide and Other Gases Emanating from Beef Manure. L. F. Elliott and T. S. Travis. Soil Science Society of America.
3504. Differential Effects of Actinomycin D and Cycloheximide on the Replication of Cowpea Mosaic Virus and Bean Pod Mottle Virus in a Common Host. George D. McLean and Joseph S. Semancik. Virology.
3505. In Vitro Protein Polymerization and Nucleoprotein Reconstitution of Tobacco Rattle Virus. J. S. Semancik and T. J. Morris. Virology.
3506. Homologous Interference Between the Components of Tobacco Rattle Virus. J. S. Semancik and T. J. Morris. Virology.
3507. The Effects of Continuous Corn, Manuring, and Nitrogen Fertilization on Yield and Protein Content of the Grain and on the Soil Nitrogen Content. F. N. Anderson and G. A. Peterson. Agronomy Journal.
3508. Slick Spot Soils in Southeastern Nebraska - Patterns and Benesis. D. T. Lewis and J. V. Drew. Soil Science Society of America Proceedings.
3509. A Cabinet with Controlled Humidity to Bring Cereal Samples to Constant Moisture. P. J. Mattern. Cereal Science Today.
3510. Home Economists in Rehabilitation Centers and Services: Utilization and Demand. Cecelia Sue Knoll and Lois O. Schwab. Home Economics Research Journal.
3511. Control of Bagworms with Bacillus thuringiensis. E. J. Bishop, T. J. Helms and K. A. Ludwig. Journal of Economic Entomology.
3512. Haemonchus contortus: Enzymes III Glutamate Dehydrogenase. Marvin B. Rhodes and Donald L. Ferguson. Experimental Parasitology.
3513. Immunity to Calf Neonatal Diarrhea Virus. C. A. Mebus, R. G. White, E. P. Bass and M. J. Twiehaus. American Journal of Veterinary Research.
3514. Analyzing Physical and Chemical Properties of Solid Wastes from Livestock and Poultry. C. B. Gilbertson, T. M. McCalla, and A. T. Sobel. Transactions of the American Society of Agricultural Engineers.
3515. Insect Control Studies with Microwaves and Other Radiofrequency Energy. Stuart O. Nelson. Bulletin of the Entomological Society of America.
3516. Effect of Dietary Calcium and Phosphorus Level Upon Calcium, Phosphorus and Nitrogen Balance in Swine. P. E. Vipperman, Jr., E. R. Peo, Jr. and P. J. Cunningham. Journal of Animal Science.
3517. Microwave Dielectric Properties of Grain and Seed. Stuart O. Nelson. Transactions of the American Society of Agricultural Engineers.
3518. Barley Stripe Mosaic Virus Infection of Corn and the "Aberrant Ratio" Genetic Effect. D. R. Pring. Phytopathology.
3519. Beef Cattle Feedlot Runoff -- Physical Properties. C. B. Gilbertson and J. A. Nienaber. Transactions of the American Society of Agricultural Engineers.

## ABSTRACTS

- 72-124. Effect of Different Levels of Rye for Growing-Finishing Swine. David Murray Danielson. American Society of Animal Science.
- 72-125. Effect of Weed Control Treatments on Sugarbeets Planted at Different Dates. Gail A. Wicks. North Central Weed Control Conference Research Report.
- 72-126. Postemergence Weed Control for Chemical Fallow in Nebraska 1970-71. Gail A. Wicks. North Central Weed Control Conference Research Report.
- 72-127. Preemergence and Postemergence Herbicides for Selective Weed Control in Sorghum. Gail A. Wicks. North Central Weed Control Conference Research Report.
- 72-128. Effect of Applying Preemergence and Postemergence Herbicides on Cycloate-Treated Sugarbeets and Weeds. Gail A. Wicks. North Central Weed Control Conference Research Report.
- 72-129. New Herbicides for Selective Weed Control in Sugarbeets. Gail A. Wicks. North Central Weed Control Conference Research Report.
- 72-130. Control of Sandburs in Corn with Herbicides. C. R. Fenster. North Central Weed Control Conference Research Report.
- 72-131. Sandbur Control in Irrigated Corn with Herbicide. Russell Moomaw. North Central Weed Control Conference Research Report.
- 72-132. Root Distribution and Propagation of Common Milkweed. Larry L. Evetts and Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 72-133. Graduate Training for M.S. Candidates in Weed Science. Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 72-134. Response of Western Nebraska Rangeland to Various Rates of Nitrogen and Phosphorus Fertilizer. L. A. Daigger and D. F. Burzlaff. Society of Range Management.
- 72-135. Phytotoxicity and Compatability of Herbicide-Fertilizer Mixtures. Alan R. Martens and Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 72-136. Control of Weeds in Grain Sorghum Across Nebraska. O. C. Burnside and G. A. Wicks. North Central Weed Control Conference Research Report.
- 72-137. Reducing Herbicide Damage to Sorghum with Crop Protectants. Ronald F. Spotanski and Orvin C. Burnside. North Central Weed Control Conference Research Report.

## BULLETINS PRINTED

- RB 248 Results of the Second International Winter Wheat Performance Nursery. J. E. Stroike, V. A. Johnson, J. W. Schmidt and P. J. Mattern.