University of Nebraska - Lincoln
DigitalCommons@University of Nebraska - Lincoln

Agricultural Research Division News & Annual Reports

Agricultural Research Division of IANR

3-1-1977

Agricultural Experiment Station News March 1977

Follow this and additional works at: http://digitalcommons.unl.edu/ardnews

Part of the Agriculture Commons

"Agricultural Experiment Station News March 1977" (1977). *Agricultural Research Division News & Annual Reports.* Paper 249.
http://digitalcommons.unl.edu/ardnews/249

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.

THE AGRICULTURAL EXPERIMENT STATION
INSTITUTE OF AGRICULTURE
AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA–LINCOLN
H. W. OTTOSON, DIRECTOR

Agricultural Experiment Station NEWS

Vol. 9, No. 9, March, 1977

FROM THE DIRECTOR'S DESK

Annual Progress Reports (AD 421): You may wonder, after the effort you put into preparing these reports, if anyone reads them! As a matter of fact, Dr. Kleis and I reviewed each of them as they came in. I would like to say that we were pleased with them. We think they show improvement over reports of other years. Of course, they vary in form and substance; a few could stand some more effort in preparation. But most were well done, interesting, and informative.

These reports are important; in the first place, they represent a synopsis of the findings of the research program of the Station during the past year. They are our best means of getting up-to-date on what you are learning from your efforts. We use them repeatedly in responding to inquiries about the Station program. Second, these reports go into the Current Research Information System operated by ARS, CSRS, and the Stations. Thus, they are available to all scientists in the USDA - Experiment Station system who wish to rapidly inventory current research results in areas of their interest.

Visitation: Bob Kleis and I are starting another round of visitation of departments and district stations. In these visits we routinely wish to visit with Station staff members. This year we are also particularly reviewing research equipment.

Howard W. Ottoson

PERSONNEL ACTIONS

Christensen, John - Asst. Prof. & District Ext. Forester - Appointment
DeGeer, Charles - Instr., An. Sci. (MARC - Courtesy appt.) - Resignation
Doane, Ted - Prof., An. Sci. & Ext. Livestock Spec. - Rtn from international assignment
Gessaman, Paul - Assoc. Prof., Ag. Econ. - 6 mo. appt. at North Central Cntr for Rural Dev at Iowa State
Humphrey, Dean - Asst. Prof. - An. Sci. (MARC - Courtesy appt.) - Resignation
Knapp, Bradford - Asst. Prof. - An. Sci. (MARC - Courtesy appt.) - Resignation
Lunstra, Donald - Asst. Prof. - An. Sci. (MARC - Courtesy appt.) - Resignation
Manbeck, Deane - Assoc. Prof., Ag. Engineering - Resignation
Sampson, Ray - Instr., An. Sci. (MARC - Courtesy appt.) - Resignation
Schanbacher, Bruce - Asst. Prof. - An. Sci. (MARC - Courtesy appt.) - Resignation
Teter, Norman - Prof., Ag. Engineering & Ext. Ag. Engineer - Leave of absence

GRANTS AND CONTRACTS

Bullerman, L. B. - Food Sci. & Tech. - National Institutes of Health	$ 22,225
Clanton, D. C. - An. Sci. (NP Sta.) - Eli Lilly and Company	27,425
Eastin, J. D., et al - Agronomy - US AID	393,000
Fischbach, P. E. - Ag. Eng. - Stauffer Chemical Company	900
Froning, G. W. -Poultry & Wildlife Sci. - Poultry & Egg Institute of America	500
Klopfenstein, T. J. - Animal Science - Chevron Chemical Company	5,000
Mandigo, R. W. - Animal Science - Nebraska Pork Producers	5,000
Nielsen, M. K. - Animal Science - Int. Maine-Anjou Association	800
Rehm, G. W. & G. W. Hergert - Agronomy (NE Sta & NP Sta) - Olin Chemical Co.	1,500
Shearman, R. C. - Horticulture - Div. of Outboard Marine Corporation, Lincoln	500
Sullivan, T. W. - Poultry & Wildlife Sci. - BZD Livestock Products	2,500
Ward, J. K. - Animal Science - E. I. DuPont deNemours & Co.	1,000
Wilson, R. G. - Agronomy (PH Sta) - Chevron Chemical Co.	500

GENERAL NOTES

1. Please be reminded that all books purchased on either library or project funds are to be secured through the CYT Library. Those purchased on project funds for continuing usage in the department may be assigned there, after they have been cataloged. This applies equally to references purchased with grant or contract type project funds.

2. Congratulations to Chuck Koopmann for his well earned performance recognition in receiving this year's Carl A. Donaldson Award "For Excellence in Management". We are at the same time sorry to note that Chuck will be leaving us in June for a fine position with the American Soybean Association.

3. Sahs sez - As you arrange for special student help for the summer, it is important to observe the established wage schedule which relates to stage of academic program, previous experience in your program, etc. In cases where an employee will be assigned to another location (e.g. District Station) or administrative unit, please coordinate the wage determination with the administrator of that unit. Discrepancies, real or apparent, have caused serious personnel problems.

4. Dr. Bob Bohannon (Kansas State) has written to express his appreciation for the fine hospitality and cooperation extended him during his recent sabbatical leave with us. Many of you worked with him and we relay his "thank you".

5. Schnieder on Safety - As we approach the season of increased activity in usage of pesticides and fertilizers, all staff should practice and/or promote safety precautions: The use of gloves, goggles and respirators as called for by the labels. Gloves and goggles should always be worn when handling anhydrous ammonia.

6. Gumperson's Law: The probability of an event occurring is inversely proportional to its desirability.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - February 1977

Journal Articles (contact authors for more information)

5269. The Changing Face of Supervised Occupational Experience Programs. Roy D. Dillon. The Agricultural Education Magazine.

5270. Recruitment Gets a Life from Agribusiness. Roy D. Dillon. The Agricultural Education Magazine.

5271. The Effect of Complexing Sodium Bentonite with Soybean or Urea on *In Vitro* Ruminal Ammonia Release and Nitrogen Utilization in Ruminants. R. A. Britton, D. P. Colling and T. J. Klopfenstein. Journal of Animal Science.

5272. Gluconeogenesis from Alanine In Vivo by the Ovine Fetus and Lamb. R. L. Prior and R. K. Christenson. American Journal of Physiology.

5273. The Hard Sell - Multiple Teacher Departments. Roy D. Dillon. The Agricultural Education Magazine.

5274. Evaluation of Some Soybean Isolines in Irrigation Culture. J. E. Specht and J. H. Williams. Soybean Genetics Newsletter.

5275. Potassium in Range Supplements. James F. Karn and D. C. Clanton. Journal of Animal Science.

5276. Fate of Pathogens in Soils Receiving Animal Wastes. James R. Ellis and T. M. McCalla. Transactions of the ASAE.

5277. SIDS in Nebraska: Families in Crisis. John D. DeFrain and Linda Ernst. Nebraska Medical Journal.

5278. The Psychological Effects of Sudden Infant Death Syndrome on Surviving Family Members. John D. DeFrain and Linda Ernst. Pediatrics.

5279. Factors Which Affect *Sclerotinia sclerotiorum* Sclerotial Populations and Apothecial Production in Western Nebraska. Howard F. Schwartz and James R. Steadman. Phytopathology.

5280. Influence of *Phaseolus vulgaris* Blossom Characteristics and Canopy Architecture Upon Reaction to *Sclerotinia sclerotiorum*. Howard F. Schwartz, James R. Steadman and Dermot P. Coyne. Phytopathology.

5281. Partial Characterization of Host-Specific Toxin from *Helminthosporium maydis*, Race T, Affecting Corn with Texas Male Sterile Cytoplasm. Yoshiki Kono and J. M. Daly. Journal of Biological Chemistry.

5282. Standards for Electrical Service and Equipment for Irrigation. Nebraska Inter-Industry Electrical Council; Sprinkler Irrigation Association; and Agricultural Research Service, USDA. Transactions of the American Society of Agricultural Engineers.

5283. Temperature Influence on Sorghum Yield. Jerry D. Eastin. Proceedings of the Thirty-first Annual Corn and Sorghum Research Conference.

-over-

Journal Abstracts (contact authors for more information)

77-838. Blood Serum Lipid Patterns of Adolescent Boys Fed Corn Oil, Peanut Oil or Safflower Oil. C. Kies, M. E. Lopez-Rico, H. M. Fox, K. M. Stanek and A. Chan. Institute of Food Technologists Proceedings of Annual Meeting.

77-839. Zinc Utilization by Human Adults as Affected by Dietary Pectin, Cellulose and Hemicellulose. D. Beshgetoor, C. Kies and H. M. Fox. Federation Proceeding.

77-840. Selected Dietary Pantothenic Acid/Methionine Interactions Influencing Nutritional Status of Humans. C. Kies and H. M. Fox. Federation Proceedings.

77-841. Evaluations of the Effects of SRC-101 (SLOGO) on Herbicides. R. H. Hammons, T. L. Lavy, D. L. Bucholtz, T. H. Dao, D. W. Hoffman, D. R. Tupy and M. E. Winkle. 1976 North Central Weed Control Conference Proceedings.

77-842. Effect of Fertility on Yield and Quality of Hay Produced on Sub-Irrigated Meadows. Michael A. Foster, J. Stubbendieck, Louis A. Daigger and Vicky Stangle. 30th Annual Society for Range Management.

77-843. Differential Phosphorus Efficiency in Sorghum. R. B. Clark, J. W. Maranville and W. M. Ross. Proceedings of Grain Sorghum Research and Utilization Conference, 1977.

77-844. Defined Formula Diets as Utilized by Healthy Subjects. C. Kies, H. M. Fox and S. Calvert. Journal of Clinical Nutrition, Clinical Research.

77-845. Reaction of *Phaseolus* Germplasm to Different Strains of *Xanthomonas phaseoli* and *X. phaseoli* var. *fuscans*. Nicolas Valladares, D. P. Coyne, M. L. Schuster and Betty Hoff. Annual Report of Bean Improvement Cooperative.

77-846. Use of a Bleach Test in Screening Sorghum Germplasm. K. D. Kofoid, J. W. Maranville and W. M. Ross. Grain Sorghum Producers Assn. Proceedings.

77-847. The Effect of Cellulose, Hemicellulose and Pectin on Dietary Fat Utilization by the Human Adult. Lucina Lampila, Constance Kies and Hazel Fox. Nebraska Academy of Sciences - Proceedings of Annual Meeting.

77-848. Blood Serum Lipid Patterns of Middle-Aged Men as Influenced by Dietary Vitamin D Supplementation. Kathy Retzlaff, Constance Kies and Hazel Fox. Nebraska Academy of Sciences - Proceedings of Annual Meeting.

77-849. Diets and Weight Changes in Breast-Fed Infants and Their Mothers. Susan Anthony and Hazel Fox. Nebr. Academy of Sciences - Proceedings.

BULLETINS PRINTED

MP 33. Nebraska Tractor Test Data 1977. Agricultural Engineering Staff.

OTC 177. Nebraska Corn Performance Tests 1976. A. F. Dreier, P. H. Grabouski, R. S. Moomaw and L. A. Nelson.