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ED June 15-30, 1943

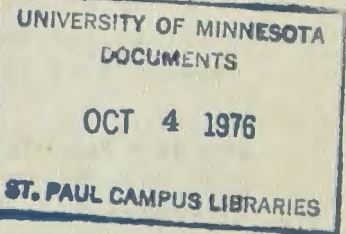
AGRICULTURAL EXTENSION SERVICE  
UNIVERSITY OF MINNESOTA  
University Farm, St. Paul, Minnesota

Office of  
Publications

EXTENSION DIGEST

July 3, 1943  
For period  
June 15 - June 30

*This digest of selected press and radio releases is intended primarily to keep editors and professional workers in general touch with the activities of the Agricultural Extension Service and the Department of Agriculture, University of Minnesota. For detailed information on topics referred to, please ask for copy of original release.*



**June 15 - SULFA DRUGS USED FOR SWINE DISEASE** - Use of sulfa drugs in combatting hog losses due to necro or swine enteritis offers promise of helping farmers in their efforts to bring a larger percentage of this year's hog crop to market. Studies made by H. C. H. Kernkamp and M. H. Roepke, University Farm veterinarians, indicate that sulfaguanidine when given morning and evening as a suspension in small amounts of mash or thick swill will clear up the disease in many cases and in comparatively short time, usually 5 to 7 days.

**June 15 - WEATHER RESPONSIBLE FOR ROTTING CORN KERNELS** - If your corn failed to grow, better blame the weather and not the dark brown beetles which you may find feeding on the half-rotted corn kernels. Dr. A. A. Granovsky, University Farm entomologist, says that the beetles, which are very common this year in some sections, do not normally attack sound seed kernels. They may feed on partly decayed seed in case bad weather prevents normal germination of the corn. If the corn failed, the only course is to replant or switch to some late feed crop other than corn.

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**June 16 - SAVE FRUIT BASKETS AND VEGETABLE CRATES** - The fruit and vegetable crates and baskets which have accumulated in the basement are too valuable to be used for kindling, says D. C. Dvoracek, extension marketing specialist who is chairman of the newly organized state vegetable marketing committee. Dvoracek points out that used containers have taken their place along with fats and scrap as something to be salvaged for the effort. Shortage of materials and labor with which to build baskets and crates has greatly curtailed the supply this year. Homemakers are urged to save crates and see that they are returned to fruit and vegetable marketing channels. The simplest method is to return containers to your dealer.

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**June 16 - FARMS USE MORE ELECTRICAL EQUIPMENT** - The average Minnesota farm family served by the state's 47 REA-financed rural electric systems used 100 kilowatt-hours of electricity per month during the first four months of 1943. This is an increase of 16 kilowatt-hours over the monthly average of 84 kilowatt-hours used by Minnesota families on REA-served farms in the first four months of 1942 and reflects a greater use of electrical equipment to save labor and produce food. Sixteen kilowatt-hours is enough electricity to milk 8 cows for a month.

Coöperative Extension Work in Agriculture and Home Economics, University of Minnesota, Agricultural Extension Division and U. S. Department of Agriculture Cooperating, Paul E. Miller, Director. Published in furtherance of Agricultural Extension Acts of May 8 and June 30, 1914.



June 16 - HOW TO MAINTAIN SUMMER MILK PRODUCTION - Maintaining summer milk production is one of the problems confronting farmers, says Lester O. Gilmore of the dairy division at University Farm, who suggests some effective ways of keeping production at a high level. Important factors in maintaining production are giving the cow enough energy, food, water, and salt. To supply cows with sufficient energy, it is necessary to provide good pasture throughout the season, according to Gilmore. Cows can produce up to 40 pounds daily on good grass alone. In addition to the water needed to maintain the body, about 180 pounds of water are required daily for the production of 40 pounds of milk.

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June 16 - PARASITE CONTROL SAVES HOG LOSSES - Hog parasites sabotage millions of pounds of pork each year, a loss which can be prevented to a great extent, says H. G. Zavoral, extension animal husbandman at University Farm. With both protein concentrates and grains high in price, no one can afford to feed a combination crop of both parasites and hogs, he adds. Zavoral suggests using a lime sulphur dip to treat mange, after which both mange and lice may be controlled by using a good mange oil. In combatting round worms, clean ground or concrete is the best prevention.

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June 17 - FOUR-H MEMBERS WIN RECOGNITION - For outstanding leadership and achievement in 4-H club work, four Minnesota club members have been awarded trips to the American Youth Foundation Leadership Training Camp at Shelby, Michigan to be held August 2-15. A. J. Kittleson, state 4-H club leader, announced today. They are Douglas G. Vandergrift, Albert Lea, Freeborn county; Barbra Pike, Rochester, Olmsted county; Ruth Lindblad, Lake Lillian, Kandiyohi county; and Loren Graskamp, Fountain, Fillmore county. Because Douglas and Loren feel that they will be too busy with food production on the farm, they have decided not to take the trip to camp. Instead, they will be given war bonds. As alternate, Helen Rasmussen, Grygla, Beltrami county, will receive the trip to the camp.

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June 22 - CRIM RECOMMENDS ROTATION PASTURE MIXTURES - Good rotation pasture mixtures are proving their worth as good yielders through the summer months, says Ralph Crim, University Farm agronomist. While there is a relatively large number of different legumes and grasses suitable for pasture mixtures, some are more suited than others or are better adapted to one section of the state, according to Crim. The important thing to bear in mind, he says, is that a mixture of legumes and grasses provides more nutrients than either would alone.

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June 22 - PROTECT LIVESTOCK FROM FLIES AND MOSQUITOES - While some of the damage attributed to flies and mosquitoes may be due to hot weather and to lack of sufficient grazing or feed, farm animals should be protected as much as possible from these pests, says W. H. Peters, chief of the animal husbandry division at University Farm. Wherever these biting insects are present in large numbers, farmers may risk reduced gains in growing or fattening animals and decreased milk production in cows.

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June 22 - FARMERS URGED TO WATCH FOR POTATO BLIGHT - Farmers were warned this week to watch out for any appearance of late blight in their own or neighboring potato fields and to take immediate steps to prevent a recurrence of last year's outbreak. Most of the blight infection comes from infected tubers planted in the field or from potatoes hauled to dumps after freezing weather ends. A field planted with disease-free seed may become infected in wet weather by the spores blown from plantings several miles away. Cool, wet weather is ideal for the spread of blight, while long, hot, dry periods will check it completely.

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June 22 - STATE SWINE SHOW IN ALBERT LEA - This year's State Swine show will be held in connection with the Freeborn County Fair in Albert Lea August 23-27, according to an announcement by E. F. Ferrin, secretary-treasurer of the Minnesota Swine Growers' association. There will be no livestock exhibits



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June 23 - DR. RUGGLED TO RETIRE FROM ACTIVE DUTY - Professor A. G. Ruggles, veteran state entomologist and member of the University staff for more than 40 years, will retire from active University duty July 1 after playing an important part in the development of the division of entomology and economic zoology. He will, however, continue with the state entomologist's office in an advisory capacity. In addition to teaching and supervising research in the University, Professor Ruggles as state entomologist has been active in developing and conducting state regulatory services in insect control under the State Department of Agriculture, Dairy and Food. He built the organization for the enforcement of the state nursery inspection law and has developed this work to the point where all persons buying nursery stock in Minnesota have the protection from plant diseases and failures provided by law.

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June 23 - DEAN FREEMAN RETIRES AFTER VERSATILE CAREER - Dean Edward M. Freeman, who has been associated with the University of Minnesota as student, teacher and administrator for nearly half a century, will retire from active duty July 1 after one of the most versatile careers in the history of the University. Dean Freeman has since his graduation from the University arts course in 1898 pioneered in research to establish control measures for wheat rust, founded and directed the country's first plant pathology division, written one of the first standard textbooks on plant diseases, served as reorganizer and acting dean of the University Department of Agriculture, and given council and guidance to thousands of Minnesota men and women during his 26 years of service as dean of the College of Agriculture, Forestry and Home Economics.

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June 25 - FOR ADVICE CONSULT THE ANSWER LADY - How long shall I process snap beans in canning? How can I fix my basement so vegetables will keep better? What can I substitute for sugar in canning fruit? These and many other questions that confront the homemaker in her wartime food conservation program will have an A-1 priority rating at University Farm beginning Monday and continuing through the canning season. The Agricultural Extension Service is establishing a special telephone and mail service to take care of the requests that flood the switchboard at University Farm. The "Answer Lady" is Miss Hedda Kafka, instructor in the University division of home economics. To obtain the services of the Answer Lady, send a post card or letter to Hedda Kafka, University Farm, St. Paul, or telephone her at NEstor 4616. If possible ask for information several days before it is needed so that the answer may be transmitted by letter or by means of a free bulletin. Where an answer is required immediately, advice will be given by phone, but mailed instructions are likely to be more accurate and useful. Miss Kafka's services will also be available through the Homemakers Quarterhour, broadcast daily except Saturday and Sunday at 10:45 over WLB, the University radio station.

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June 25 - LARGE BLACK ANTS CAN BE CONTROLLED - Victory gardeners who are concerned about the large black ants undermining their gardens and lawns were given advice today by H. H. Shepard, University Farm entomologist, on how to control these pests. Simplest remedy is to spread a mixture of Paris green and sugar - preferably brown - around the ant holes so the ants will carry it inside. The mixture (one teaspoonful Paris green per cup of sugar) should be spread at intervals and only when the ground is dry and likely to remain so for a day or two.

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June 29 - SUMMER MANAGEMENT OF SHEEP - Keeping lambs and older sheep on good green pastures through the warm months will enable them to make economical gains, says Philip A. Anderson, animal husbandman at University Farm, in discussing summer management of sheep. Among other suggestions he offers, Anderson cautions against turning out hungry sheep on wet pastures because of danger of bloat.

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June 29 - TIPS ON COOLING MILK AND CREAM - Very few dairymen would have any trouble with a high bacterial count in milk if they cooled the milk to below 50 degrees F. promptly after milking, says S. T. Coulter, dairy husbandman at University Farm, who passes on some tips on cooling milk and cream. Easiest way to cool milk or cream on most farms is to immerse the can up to its neck in a tank of cold water and to hold the temperature down by keeping fresh well water flowing into the tank.

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WEEKLY - GARDEN AND TABLE - Column of timely, practical paragraphs on vegetable and fruit production, canning and storage, foods and nutrition. Supplied to county extension agents for local release.

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WEEKLY - TIMESAVERS FOR FARM AND HOME - A weekly column of labor saving tips supplied to county extension agents for local release.

### RECENT PUBLICATIONS

*Copies available on request from county extension agents  
or Bulletin Office, University Farm, St. Paul, Minnesota.*

CONTROL VEGETABLE INSECTS - Extension Folder 86 (Revised June 1943). Six pages, illustrated. Latest information on how to control the insects that threaten your victory garden

REDUCING LIVESTOCK TRUCK MILEAGE by A. A. Dowell. Experiment Station Bulletin 369 (June 1 1943). Thirty-one pages. Illustrations and tables. A study of truck operating efficiency as measured by size of load hauled in relation to normal carrying capacity of truck, length of trip, weight of livestock hauled per mile, and overlapping truck trips and territories. Suggestions for improving operating efficiency and reducing mileage.

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PASTURE PRODUCTION AND USE by Hjalmer O. Anderson, C. Herman Welch, Jr., George A. Pond. Experiment Station Bulletin 368 (May 1943). Nineteen pages. Illustrations and tables. A study of a typical southeastern Minnesota area shows that permanent pastures are frequently overgrazed even though the pasture acreage per farm is relatively large. Suggestions for a well planned pasture program based on results of the study.

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COSTS OF TRACTOR AND MACHINE USE by A. J. Schwantes and Norton Ives. Extension Pamphlet 96 (revised June 1943). Six pages. This pamphlet tells why it is sometimes more economical to hire the use of certain machines than to run them, suggests methods of exchanging the use of machines, shows how the cost of using a machine may be determined, and provides normal cost use data for machines commonly used.

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