USDA Mineral Study Aims at Fighting Seleniun

areas of the country, is being man nutrition studied by U.S. Department of

to combat selenium Agriculture scientists as part that selenium toxicity can be (001 to 005 per cent), while soluble antioxidants, methylene poisoning, which causes death of an over-all study of trace decreased in several ways and certain antioxidants were sub-blue and ascorbic acid (vitamin of cattle and sheep in certain minerals as they relate to hu- that each protective agent acts stituted for vitamin E in the C), were ineffective

Previous research indicates

The **Satisfaction That Comes** From **Doing A Good Job Of Farming**



Ms a great feeling to know that you are the master of your farmlands... that when you treat your soil right, it will treat you right. Liming is one of the most important factors in keeping your soil in the highest productive range. A good pasture with a pH of 6.5 or higher, for example, will make 300 to 400 lbs. of beef per acre and produce up to \$100 gross income per acre. This means with the help of lime, profits from pastures can compare favorlime, profits from pastures can compare favorably with feed or grain crops.

Blue Ball, Pa. 354-4125

Gap, Pa. 442-4148

by its own peculiar mechanism diets of other rat groups

One method involves the

To verify the methionine vitamin E action and learn more about the way these two nutrition laboratories USDA's Agricultural Research higher vitamin E levels Service made a series of studies based on the response of female weanling albino rats to a diet high in selenium supplemented with methionine, vitamin E, and/or certain antioxidants.

All rats were fed a basic peanut meal diet devoid of vitamin E and with 10 parts per million selenium added. Some received a methionine supplement while vitamin E was added to the diet of others.

Additional rats were given a supplement containing both vitamın E at different levels

Jaycees Garden Show

The Lancaster Jaycees has announced its 17th annual Home and Garden Show April 20-24 at the Pennsylvania Guernsey Breeders Association Barn on Route 30 East

Ken Miller was named chairman of the Home and Garden

amino acid, methionine, which ium-peanut meal diet without a diet does not contain enough when used with vitamin E de supplement of methionine or of this element, animals may creases selenium residues in the vitamin E showed moderate to develop certain degenerative slight beneficial effect

All combinations of methioncompounds work together, a ine and vitamin E protected team of scientists in the human against selenium poisoning with of the best protection seen at the have a certain amount of the

in varying degrees The water quate selenium

Selenium is one of the essen-Rats that received the selen- tial trace minerals. When the severe liver damage Addition conditions of the liver, panof either one alone had only a creas, or heart, depending on the animal species Rats and monkeys lose hair and chickens lose their feathers.

Sheep and cattle must also mineral to protect their off-When certain fat soluble an- spring from "white muscle distioxidants were substituted for ease" found in most sheep-raisvitamin E in the combination ing coutnries and in many catmethionine/vitamin E supple- tle-producing areas where soil ment, animals were protected and pasture do not contain ade-

Commonwealth National Agri-Loan Corp.



methionine (0.5 per cent) and A subsidiary of Commonwealth National Bank

Serving **Agriculture**

in

South Central Pennsylvania

Member FDIC

KINZER EQUIPMENT SHOW

MARCH 15th thru 19th

CHECK OUR SPECIAL **EQUIPMENT PRICES**

OUR SERVICE is prompt. experienced reliable.

PLOW SHARES OIL & GREASE CASE HAND CLEANER

FILTERS TOOLS

- CASE FARM & UTILITY EQUIPMENT
- AVCO NEW IDEA **FARM MACHINERY**
- HELIX GRINDER MIXERS
- LAMCO FORAGE BOXES & FEEDER RACKS
- KUBOTA TRACTORS
- DUNHAM LOADERS & TILLAGE EQUIPMENT
- YEAR-A-ROUND CABS

SEE WHAT IS NEW IN **OUR LINES THIS YEAR.**

Factory and Company Personnel will be present From 10 a.m. until 830 p.m. Special Evening Show at 7.00

Door Prizes Will Be Awarded — Refreshments, Special Drawings for Children

- GENERAL TRAILERS & ROLLERS
- ARPS TRENCHERS
- COBEY TRUCK BODIES
- STEEL BUILDINGS
- **HESSTON HAY &** FORAGE EQUIPMENT
- ARIENS POWER EQUIPMENT

DON'T MISS THIS ONE

KINZER EQUIPMENT CO.

Your Equipment Center in Lancaster County

Kinzers, Pa.

Check Our Special Discount Tags On Lawn & Garden Equipment

Phone 442-4186 768-8916