Nutrients For Beef Cattle Are Outlined

Glenn L. Finney

The National Research Council recently published a report entitled "Nutritional Requirements for Beef Cattle." Table 4, taken from this report, shows the California Beef Production-96 gives the expected gains for different ages, sexes, and stages of production. It also shows the necessary daily intake of total dry matter, protein, phosphorus, digestible protein, calcium, phosphorus, potassium, and sodium. It does not show the requirements for fats or any of the vitamins. The benefits of vitamin-K therapy for beef cattle have not been substantiated.

Minerals Other Than Calcium and Phosphorus

In the table above, are listed the elements required for beef cattle. Magnesium, sulfur, copper, and zinc have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required. Magnesium-deficient beef has been shown to result in a loss of appetite, weakness, and poor growth. Copper is necessary for the synthesis of the heme group of the red blood cells. Copper deficiency may cause anemia. Magnesium is essential for the synthesis of the sheath of the nucleus of the cell. Under these conditions, the meat will be tough and dark. Magnesium-deficient cattle have been used in California, and manganese and iron may also be required.

Sporl Discusses Work of College

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Sproul discusses work of College

The increased awareness of the importance of agricultural research and the increased opportunities for agricultural education that have been developed in recent years are exciting. College and university agricultural education has been developing rapidly, and the demands of agricultural education and research have not been met by our agricultural colleges and universities.

On the Davis campus, a plant for the study of the complex of plants, animals, and other living things is being established. This plant is known as the Agricultural Research Institute, and it is one of the largest and most advanced research facilities in the world. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science. The Institute is being established on a farm near Davis, and it is being used for research in all phases of agricultural science.