

EZ-Plus Transition Products can reduce the impact of animal Stress!

Livestock experience a variety of stressors on a daily basis, environmental conditions such as heat, cold, humidity, dust, mud, also facilities, nutrition and health effects to name a few, but the impact of stress created by handling and transportation at working time can be extreme and this places a focused strain on the physiologic system. These changes in general are detrimental to the health and productivity of the animal and affect future performance as well. The reduction in feed consumption directly results in the inadequate intake of a variety of nutrients vital to health and performance. This includes protein and energy but less obvious and more highly significant are the decreased trace mineral and vitamin intakes. Available feeds might also be deficient in these vital nutrients and the stress reaction itself is causing direct trace mineral and vitamin losses through urinary excretion. This not only causes a reduction in growth potential but secondly creates a depressed immune system and a vicious cycle is initiated.

With stress we see a reduction in the animal's ability to fight disease and the disease process itself is stressful which further increases the stress level and depression of immunity. This causes reduced energy levels and the animal's desire to eat and acquire nutrients necessary for health and recovery are diminished further thus the problem becomes compounded. At a minimum there is a set back in growth and productivity but in extreme cases can result in the development of respiratory diseases such as shipping fever and pneumonia causing losses that are substantial or even devastating. Stress robs the producer not only by direct costs related to labor and treatment but also indirect costs in poor performance because animals lag behind after being set back. These set backs are long term when performance is followed and analyzed. In addition stress has also been shown to be one of the causes for an inadequate immune response to vaccinations.

Because certain stressors are extreme and can not be avoided such as, weaning, castration, transport, branding, dehorning, vaccinating etc. minimizing their impact is critical to producers. Here is where EZ-Plus Transition Products are essential. Research has shown that stress effects are dramatically lessened by improving trace mineral and vitamin status in the animal. Stressed calves have shown improvements with dry matter intake, reduced fever levels and more rapid return to base line body weights when supplemented with dietary zinc and copper. Selenium is an essential component of the enzyme glutathione peroxidase and has been shown to decrease the frequency and duration of clinical disease. Vitamin E has long been recognized as a component important to maintain a healthy immune system. Studies have shown that vitamin E requirements increase in the presence of stress, and it has been reported to enhance both antibody and white blood cell production. In these animals not only was there an increased immune response to infection but the antioxidant properties of vitamin E provided regulation for free radicals and similar destructive chemicals. Remarkably these affects appeared to be greater when the animals were under stress.

EZ-Plus Transition products have been specifically designed and formulated to provide all of the essential trace elements and vitamins that are critically needed to counteract the negative impacts in the stress reaction. The reality of the situation is that when an animal

is undergoing a stressful event and needs vital nutrients the most they are suddenly in extreme short supply. Because enhanced feed supplements are expensive and take time to assimilate, the easiest and most economical way a producer can meet these critical needs is to use EZ-Plus Transition Products when working their animals. They guarantee a producer is providing and replacing all of the critical essential elements necessary for a healthy immune system and insuring the animal can recover from stress. This is accomplished by using a richly oxygenated, readily absorbable trace mineral and vitamin packed fluids contained in EZ-Plus Transition Products. They directly counteract all of the negative consequences produced by the physiologic stress reaction. They help transition animals through periods of required handling giving calves an increased appetite and also an increased desire to consume water after these stressful events. This increases weight gains, enhances feed efficiency, decreases sickness and insures vaccines are effective and able to do their work which permits optimum health and performance and minimizes setbacks.

Because some stress is inevitable and expected the goal for every producer is to recognize the areas in their operation where stress on the animal can be minimized and rely on EZ-Plus Transition products to help minimize stress effects when handling is necessary. You can count on it to provide that margin of safety needed to eliminate setbacks caused by certain stress factors that cannot be avoided to maximize profits.

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