

# All-Trace for Cattle

## THE EFFECT OF A TRACE ELEMENT/VITAMIN BOLUS ON BLOOD SELENIUM LEVELS IN SUCKLER COWS

**Trial Location** South East Scotland—Selenium deficient

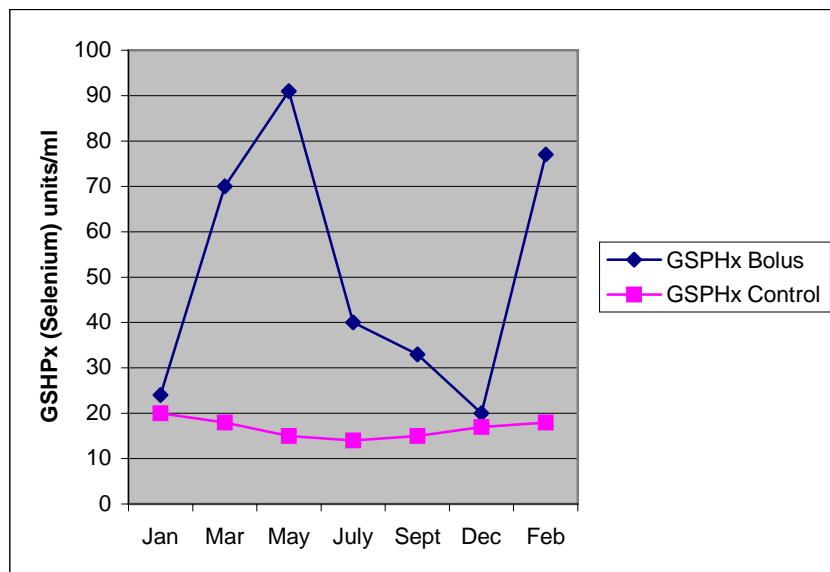
**Livestock** Adult Suckler Cows

**Objectives** To determine whether the use of trace element boluses can improve selenium status in cows and their calves.

**Method** From a herd of in-calf Irish Black cattle with a history of irregular breeding 18 were randomly chosen and given 2 All-Trace boluses in January (6-8 weeks pre-calving) and again in December while 14 cows were left as controls. Blood samples were taken from all cows on 7 occasions over a 15 month period in order to measure Glutathione peroxidase (selenium) levels.

### **Blood glutathione (selenium) levels**

The cows receiving All-Trace had a very significant increase in blood selenium levels. There was also a significant relationship between cows receiving the bolus and blood selenium levels of their calves



### **Conclusion**

Supplementation with All-Trace boluses pre-calving can lift selenium status of cows and their calves.