



## 2019 Review

## Monitoring of Sulphur Levels

### TOP TIPS

- Remember that when applying sulphur clean the vanes on every fill to get an even spread.
- Sulphur little and often doesn't impact Selenium as it would in one application.



Sulphur depositions are now lower than pre-industrial revolutions levels with 66% of soils tested (source Lancrop) in 1995 being deficient increasing to over 97% by 2016.

Soil reserves of plant available sulphur (sulphate) is dropping and with only 12kg/ha of atmospheric SO<sub>3</sub> being deposited, we will need to add sulphur back in to the soil.

Manures alone will not provide an adequate supply. Our test results of slurry show that on average they have less sulphur in than RB209 suggests, and it needs to mineralize to be effective for the growing plant.

Tissue samples of grass track the deficiencies in the soil and cereals appear to be the same. Our manure analysis leads us to conclude that "Muck is valuable but very variable". Providing nutrients to the plant before they reach a deficient level and ideally even before the "hidden hunger" starts is surely the best way.