Soil, Rotation and Plant Nutrition

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Overview of farm

- 3000 ac
  - 1000 owned
  - 2000 rented
- Staff -- 6 Fulltime

Crops grown -- acres

- 1000 Winter Wheat
- 800 Winter Barley
- 350 Oilseed Rape
- 350 Oats
- 160 Potatoes
- 125 Maize
- 50 Linseed
- 50 Beans
- 50 Fodder beet
- 50 Willow

Average field size: 25-30ac

Rotation

- Continuous wheat until 2 years ago
- 5-year crop rotation now
  - Winter Wheat
    Winter Barley
    Oilseed Rape
    Winter Wheat
    Oats

Our soils

- From free draining loam to clay soils.
- pH 6.7
  - 2 t/ac lime on stubbles for oilseed rape
- Phosphorus (ppm) 11.8
- Potassium (ppm) 102
- Magnesium (ppm) 83
- Manganese (ppm) 60
- Zinc (ppm) 3.9
- Organic Matter 5.6%

Organic matter

- Mushroom compost up to last year

Crop establishment

- Cereals
- Plough & One Pass
- Oilseed rape
- Sub-soil / Disc

Crop yields

- Winter Wheat 4t/ac
- Winter Barley 3.5t/ac
- Oilseed Rape 1.8t/ac
- Oats 3t/ac

To conclude

- Rotation is critical for the working of our farm.
- Helps keep yields up and costs down.
- Anything that saves fertilizer helps reduce costs.
- Soil health and its physical condition is critical for performance.
- Know your market before you sow.

THANK YOU FOR YOUR ATTENTION