National Soil Fertility Status and Trends

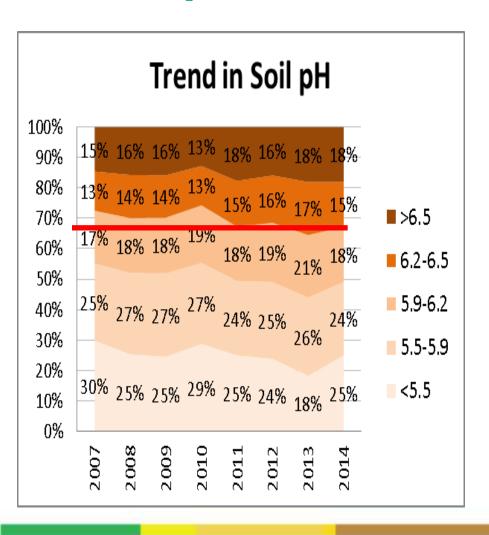
Mark Plunkett, Teagasc, Johnstown Castle, Wexford







Soil pH – Grassland Soils 2014

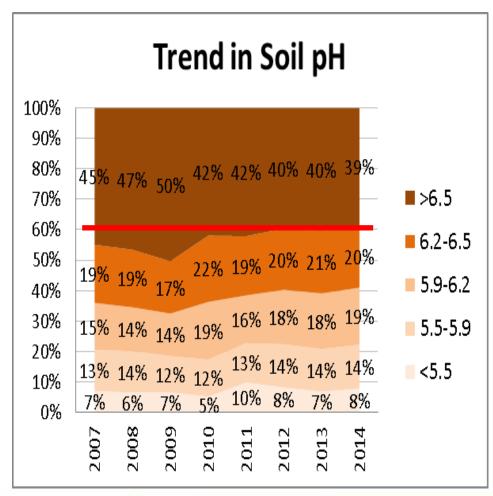


- 67% of soils pH <6.2
- Dairy 64%
- Drystock 69%
- Major Concern!!!

Target Soil pH 6.3



Soil pH – Tillage Soils 2014

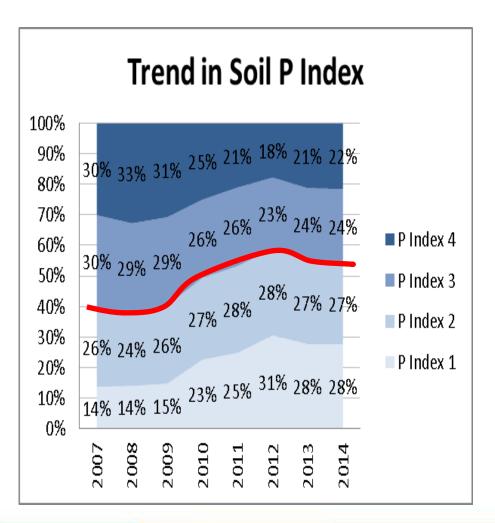


- 60% of soils pH <6.5
- Lime essential for tillage cropping

- Major benefits to liming
- Target Soil pH 6.5



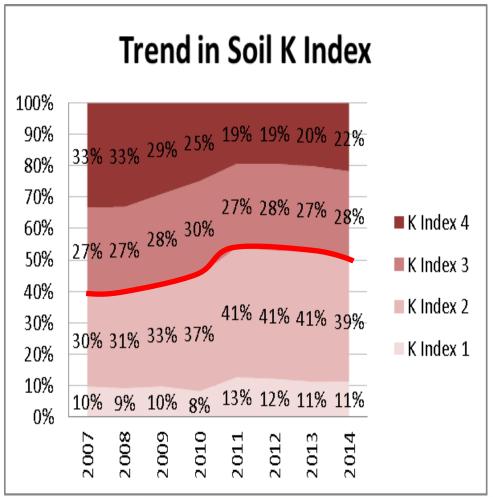
Soil P – Grassland Soils 2014



- 55% of soils Index 1 &2
- Stabilised last 2 years
- Approx. 25% Index 3
- Downward trend in Index 4
- Target Index 3



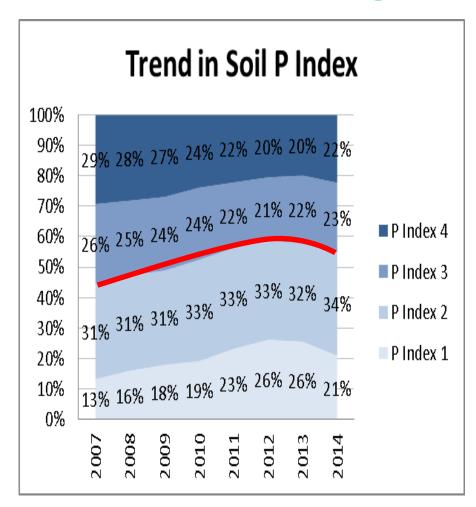
Soil K – Grassland Soils 2014



- 50% of soils Index 1 &
- Relatively stable over last number of years
- Approx. 28% Index 3
- 21% of soils Index 4
- Target Index 3



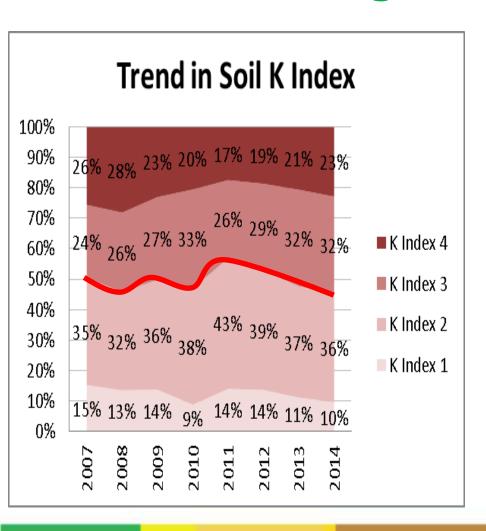
Soil P – Tillage Soils 2014



- 55% of soils Index 1 &2
- Improvement since 2012
- Approx. 22% Index 3
- Downward trend Index 4 soils
- Target Index 3



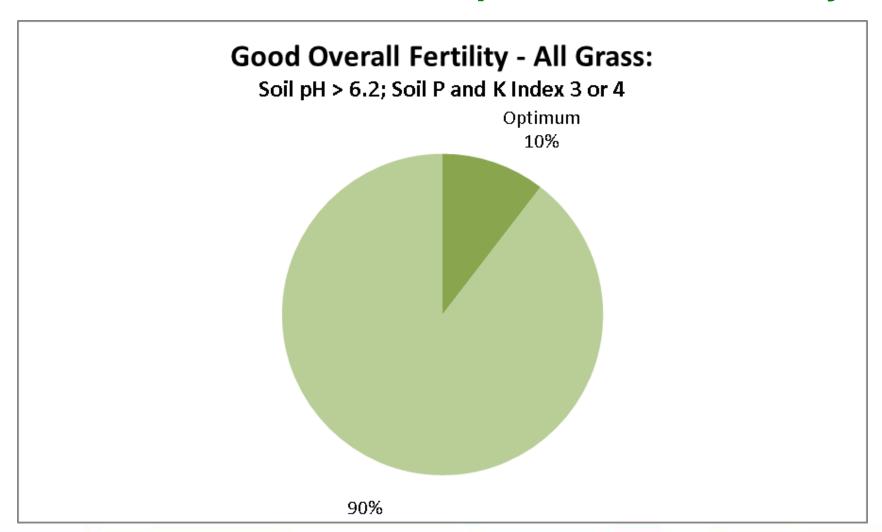
Soil K – Tillage Soils 2014



- 45% of soils Index 1 &2
- Improvement since 2011
- Approx. 30% Index 3
- Approx. 20% Index 4
- Target Index 3

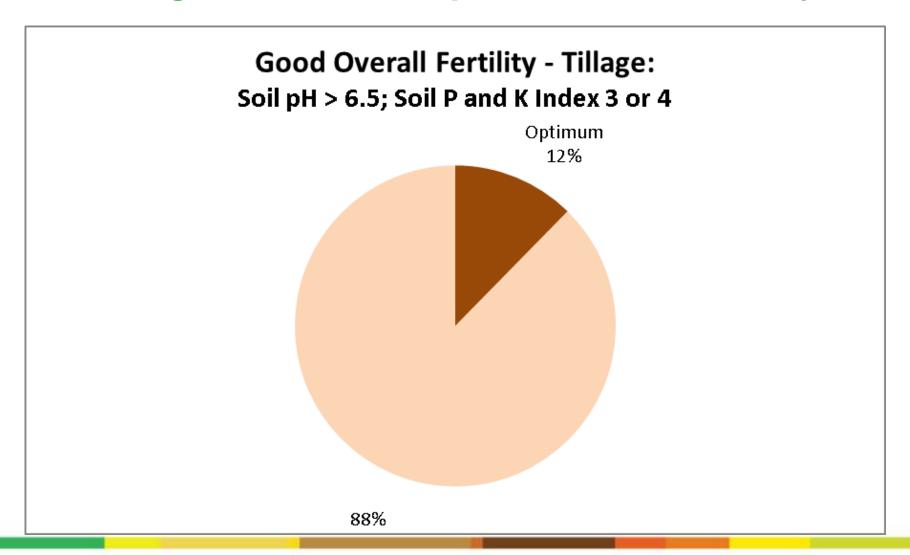


Grassland Soils With Optimum Soil Fertility





Tillage Soils With Optimum Soil Fertility





In Summary

- 11% of soils tested have good overall fertility
- 35% of Grassland soils / 40% Tillage soils have soil pH at or above target
- Soil P has stabilised in last 2 years
 - 55% of soils very low to low P status
- Soil K trends some what follow P trends
 - 45 to 55% of soils very low to low K status

Further information on soil fertility data on a county by enterprise basis @ www.teagasc.ie



Thank You

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