



Teagasc Soil Fertility Report

2020

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The information in this publication is based on soil analysis carried out by Teagasc for its clients.

Further Information available at

<http://www.teagasc.ie/soil/analysis/results.asp>

Acknowledgement

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Teagasc ICT staff

Introduction

Teagasc research staff at Johnstown Castle have been reporting soil analysis results since the 1950's. During that period Teagasc has been central to research and development of soil testing and nutrient advice for Irish soils. Teagasc delivers a soil testing service part of its fertiliser planning (NMP Online) service for its clients to advise on the efficient use of nutrients for crop production. Over the last number of years there has been an increased focus on the role of soil testing and fertiliser planning to improve the efficiency of all applied nutrients and especially nitrogen. Improving farm N efficiency will help reduce nutrient losses from both organic and chemical N sources to help meet both air and water quality targets over the next decade. With the removal of milk quotas and expansion of the national dairy herd over the last 4 to 5 years there has been a greater focus on the importance of soil fertility and grass production. Getting the soil basics right such as optimising soil pH and applying P and K in a balanced programme is a key part of sustainable production systems. The drive to maximise grazed grass production during the growing season and the production of sufficient grass to ensile for the winter period is now key goal for livestock farmers.

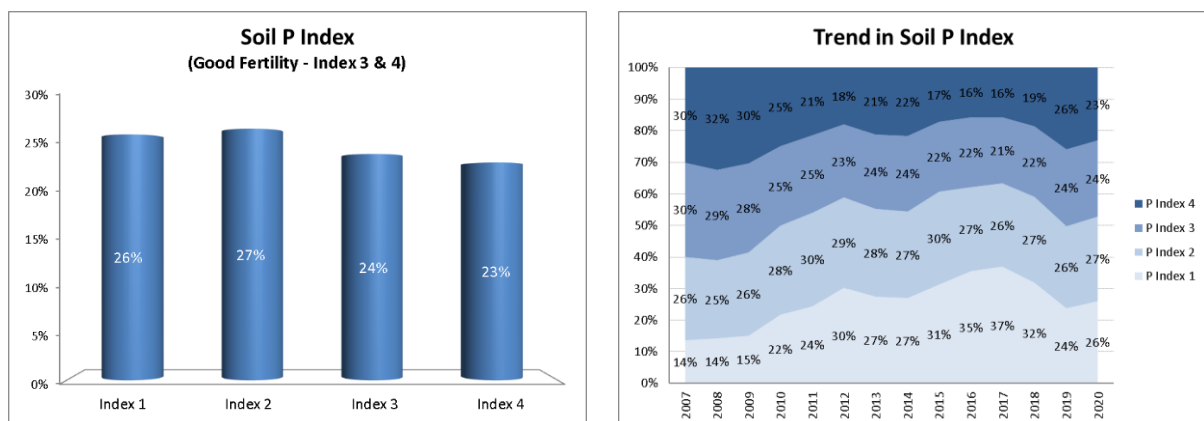
Over the last 5 years the annual usage of ground limestone has increased to an average of 1 million tonnes annually. The application of lime during the year can be heavily influenced by the weather as there is a tradition to apply lime in the final quarter of the year. With changing weather patterns and more intense rainfall events, leaving lime applications until this period runs the risk of missing the lime application opportunity. Under the nitrates derogation it is now a requirement of the programme to optimise soil pH on all derogation farms. This will help accelerate the improvement in soil pH on these farms. The application of P and K fertilisers has increased in 2020 compared to 2019. This is a reflection of the increased demand for these nutrients through the increased usage of soil test results and more fertiliser planning taking place on farms. Maintaining the correct levels of P and K will increase N use efficiency on these farms which will reduce farm N requirements and losses to the environment. Increased usage of all 3 major nutrients - lime, P and K over the last number of years is reflected in the current set of soil test results where the percentage of soils with optimum soil fertility ranges from 15 to 24% for the three main farming enterprises compared to 9 to 15% in 2015. Improvements in soil fertility takes time due to the varying soil types across Ireland and responses to P and K applications.

Teagasc maintain a database of soil test results analysed annually for their clients. This provides data to monitor soil fertility trends over time for the major soil nutrients (pH, P & K). The soil samples are not matched for each farm from year to year but due to the large number it provides a very solid insight as to how soil fertility trends are changing over a 4 to 5 year period which reflects the soil sampling interval on these farms. In addition the soil database is quite large with 30,000 to 65,000 soil samples analysed annually. Some care should be taken in interpretation of data as the reasons for soil sampling can vary from year to year, for example, a significant requirement for sampling in relation to agri-environment schemes can impact on trends.

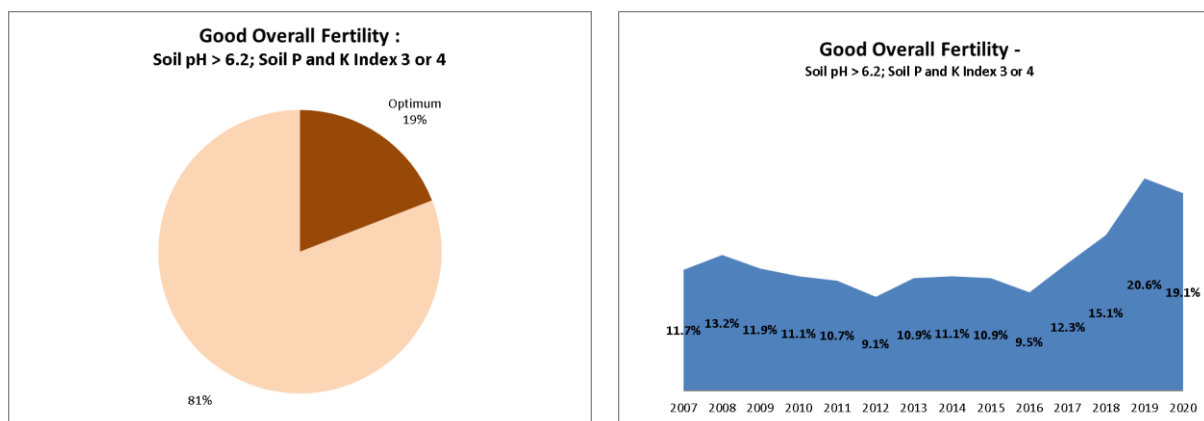
Soil fertility trends are graphically presented on a national and county by county basis and provide an insight into soil fertility status and changes over time for each county. This information tends to be quite reflective of the county soil types and farming enterprises practiced. This is very useful for farmers, advisors and policy makers on guiding lime and fertiliser advice for systems of production to meet requirements. It maybe also useful to guide more targeted national policy changes to meet future water and air quality targets in the future.

The publication consists of a number of graphs showing all soil samples since 2007 and further broken down on an enterprise basis for example dairy, drystock and tillage. The information is presented on a county by county basis for each enterprise. Each report contains four pieces of information. The current percentage of soils at each of the 4 indexes for P and K and soil fertility trends since 2007 to 2020 (see examples below). Soil pH trends are presented in a similar format with five pH categories. The final graphic shows the percentage of soils with optimum soil pH, P & K.

Examples of Soil Fertility Data for soil P levels and trends over time.



Examples of percentage of soils with optimum soil fertility



National Soil Fertility Trends

In 2020 Teagasc analysed a total 30,035 soil samples comprising of dairy, drystock and tillage enterprises. A total of 26,993 grassland soil samples with 20,184 from dairy farms, 6,509 soil samples from drystock farms and 3,042 soils samples from tillage farms. The number of soil samples taken on dairy farms has increased again in 2020 while soil sampling on drystock farms have continued to decrease in 2020. Increased soil sampling (+6.5%) on dairy farms is a reflection of the drive to improve soil fertility, nutrient use efficiency and grass production annually. Soil sample number for tillage farms is quite consistent with previous years. The following is a summary of the main changes for soil pH, P and K in 2020.

National Highlights

- 19% of all soils tested had optimum soil pH, P & K (-2%)
- Soil pH continued to improve with 64% of soils with a >pH 6.2 (+2%)
- Soil P levels at Index 1 & 2 increased while soils at Index 3 & 4 decreased. This maybe due increased soil P mineralisation after the dry summer in 2018.
- Soil K levels track a similar trend to P with a small increase in soils at Index 1 & 2 and a decrease in the % soils at Index 3 & 4.

Enterprise Highlights

Dairy

- 19% of soils have optimum pH, P & K (2 % decrease)
- 63% of soils with a soil pH >6.2 (4% increase)
- 51% of soils at P index 1 & 2 (3% Increase)
- 48% of soils at K Index 1 & 2 (7% Increase)

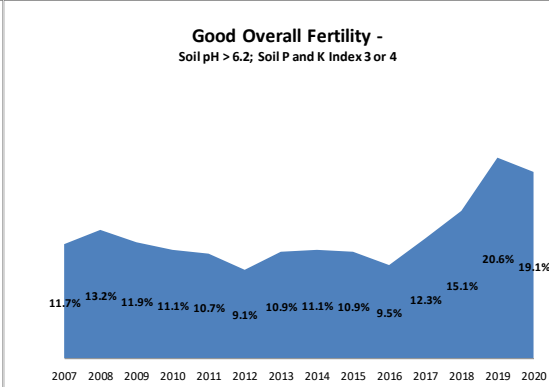
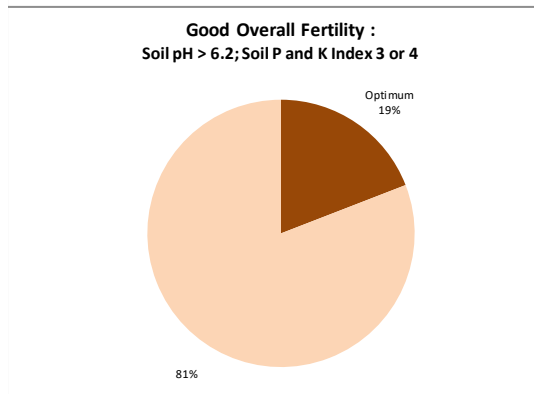
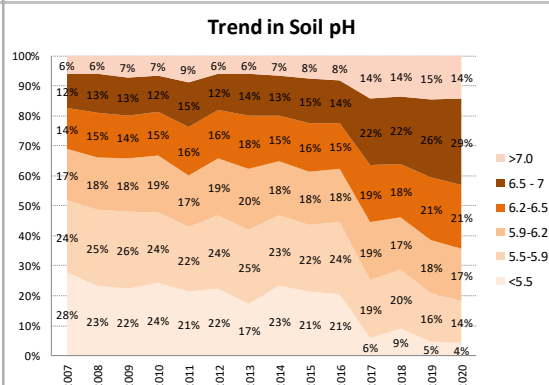
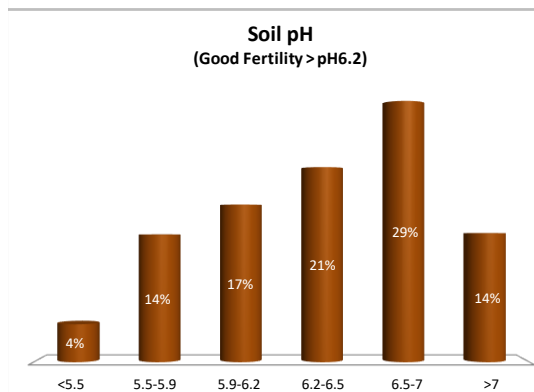
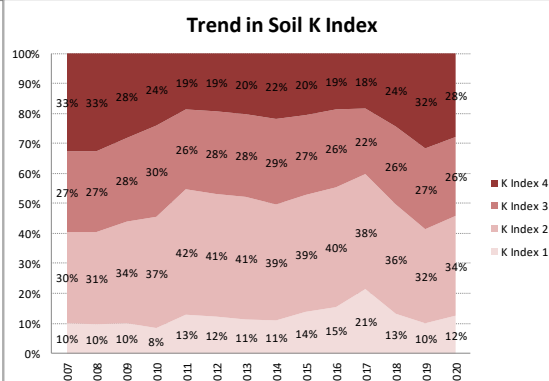
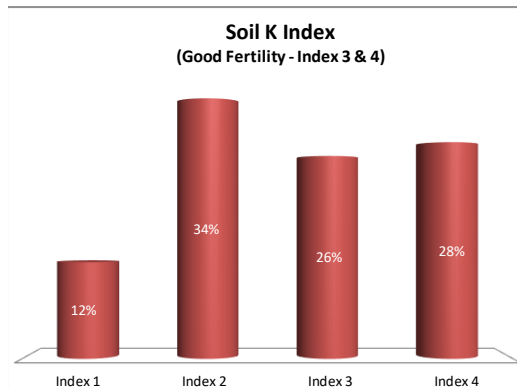
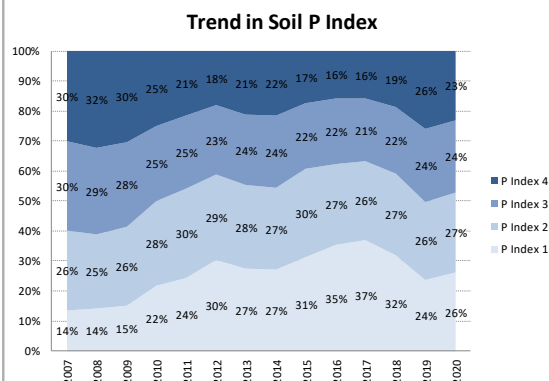
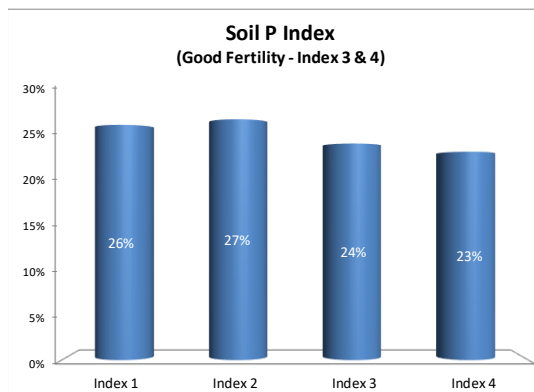
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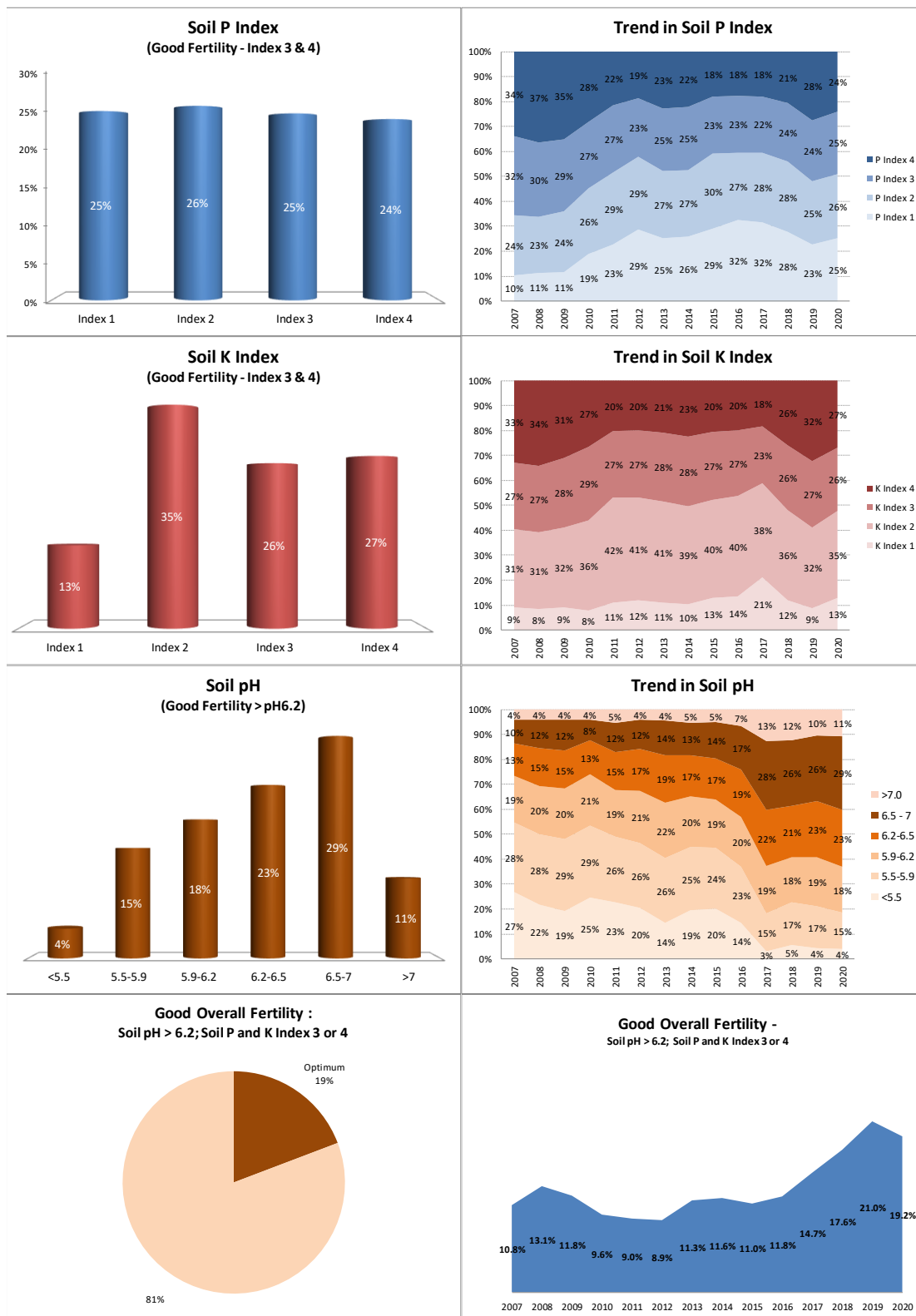
- 15% of soils have optimum pH, P & K (3 % decrease)
- 57% of soils with a soil pH >6.2 (1% increase)
- 50% of soils at P index 1 & 2 (5% Decrease)
- 47% of soils at K Index 1 & 2 (4% Increase)

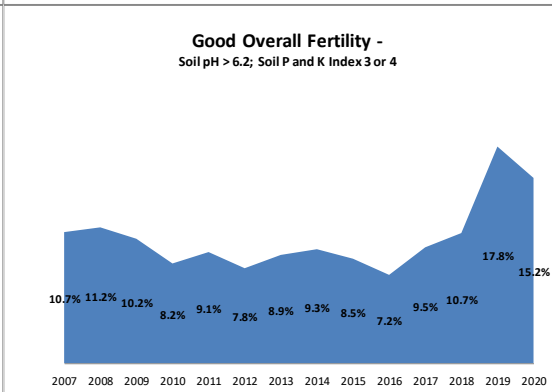
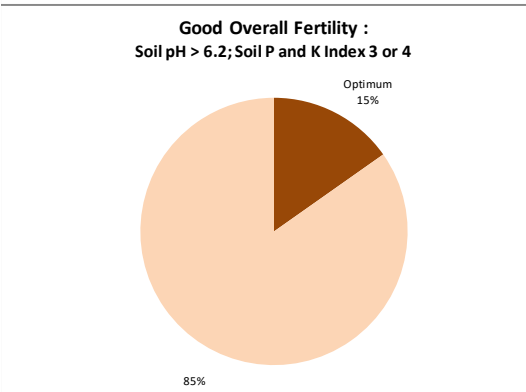
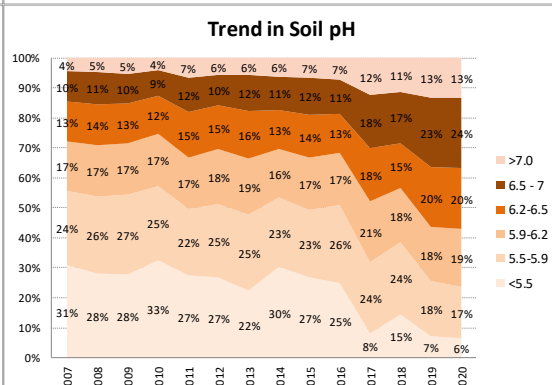
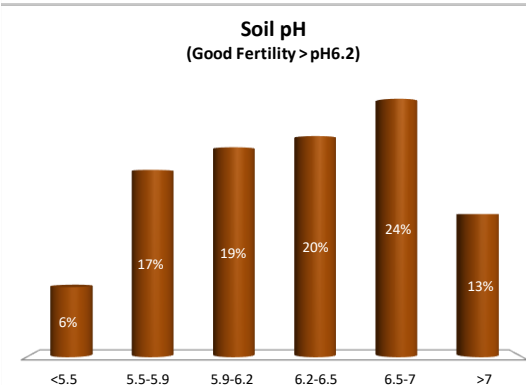
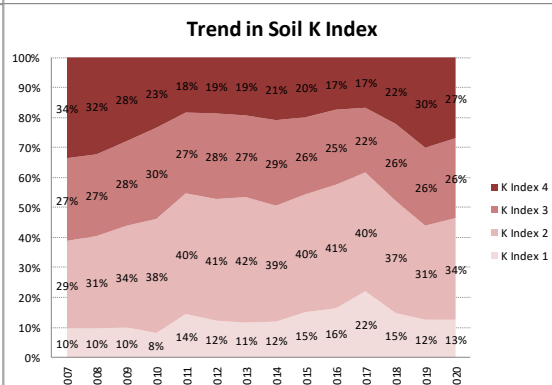
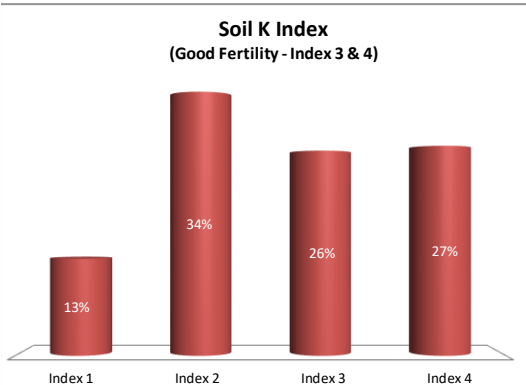
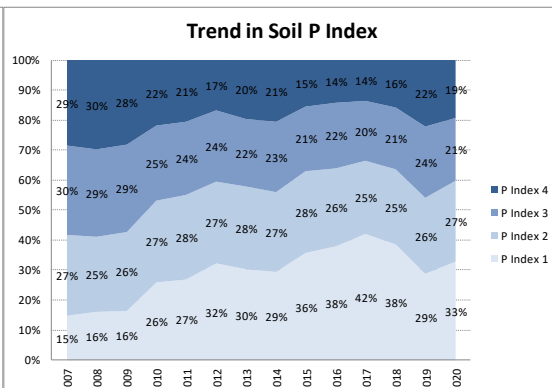
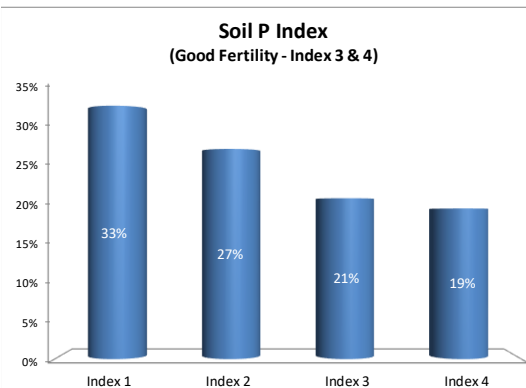
Tillage

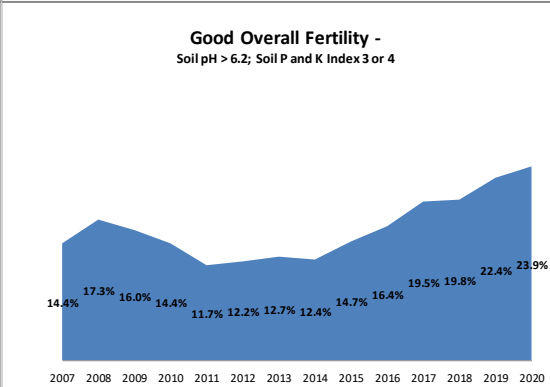
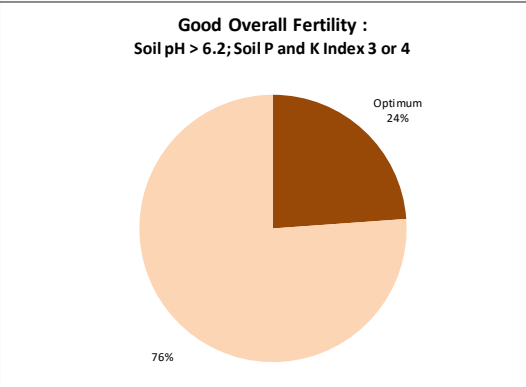
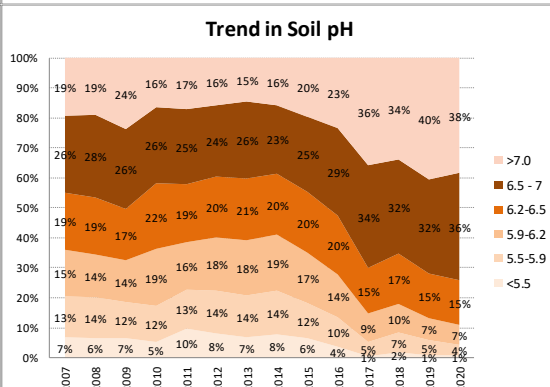
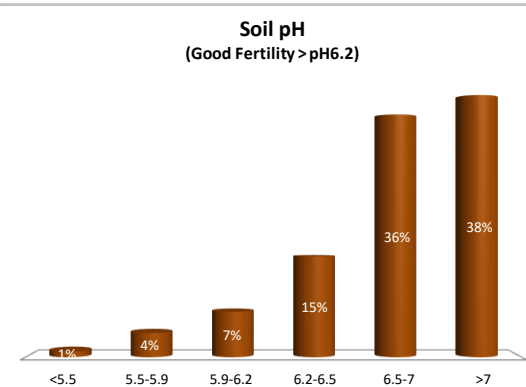
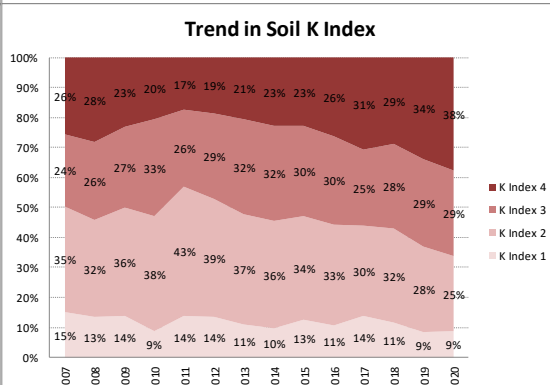
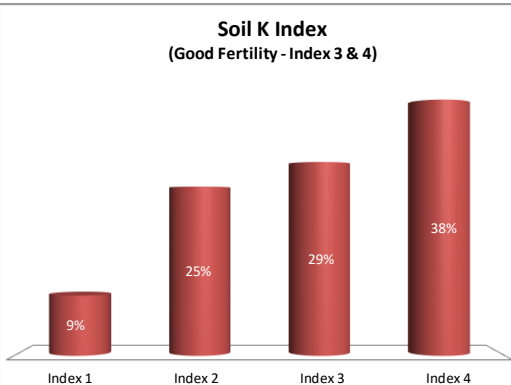
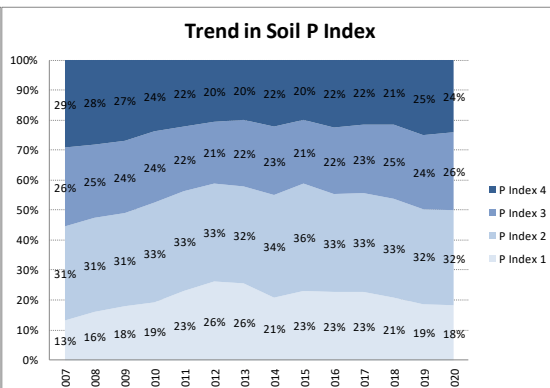
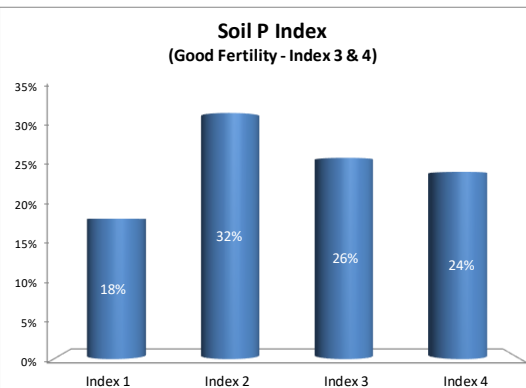
- 24% of soils have optimum pH, P & K (2 % Increase)
- 74% of soils with a soil pH >6.5 (6% increase)
- 50% of soils at P index 1 & 2 (1% Increase)
- 34% of soils at K Index 1 & 2 (3% Decrease)

In 2020 optimum soil fertility levels have decreased by 1 to 2 % on both beef and dairy farms respectively compared to 2019. On these farms soil P and K levels have increased by 3 to 7% for soils at Index 1 and 2 while soil pH has continued to improve by 1 to 4% on beef and dairy farms. On tillage farms soil fertility continues to improve as the % of soils at optimum soil fertility has increased by a further 2% in 2020. However, on tillage farms the data base would show an increasing number of soils testing with soil pH >7.0. This may be due to more frequent soil sampling and possibly sampling too close to the application of ground limestone. It is recommended to leave a minimum of 2 years between liming and soil sampling.



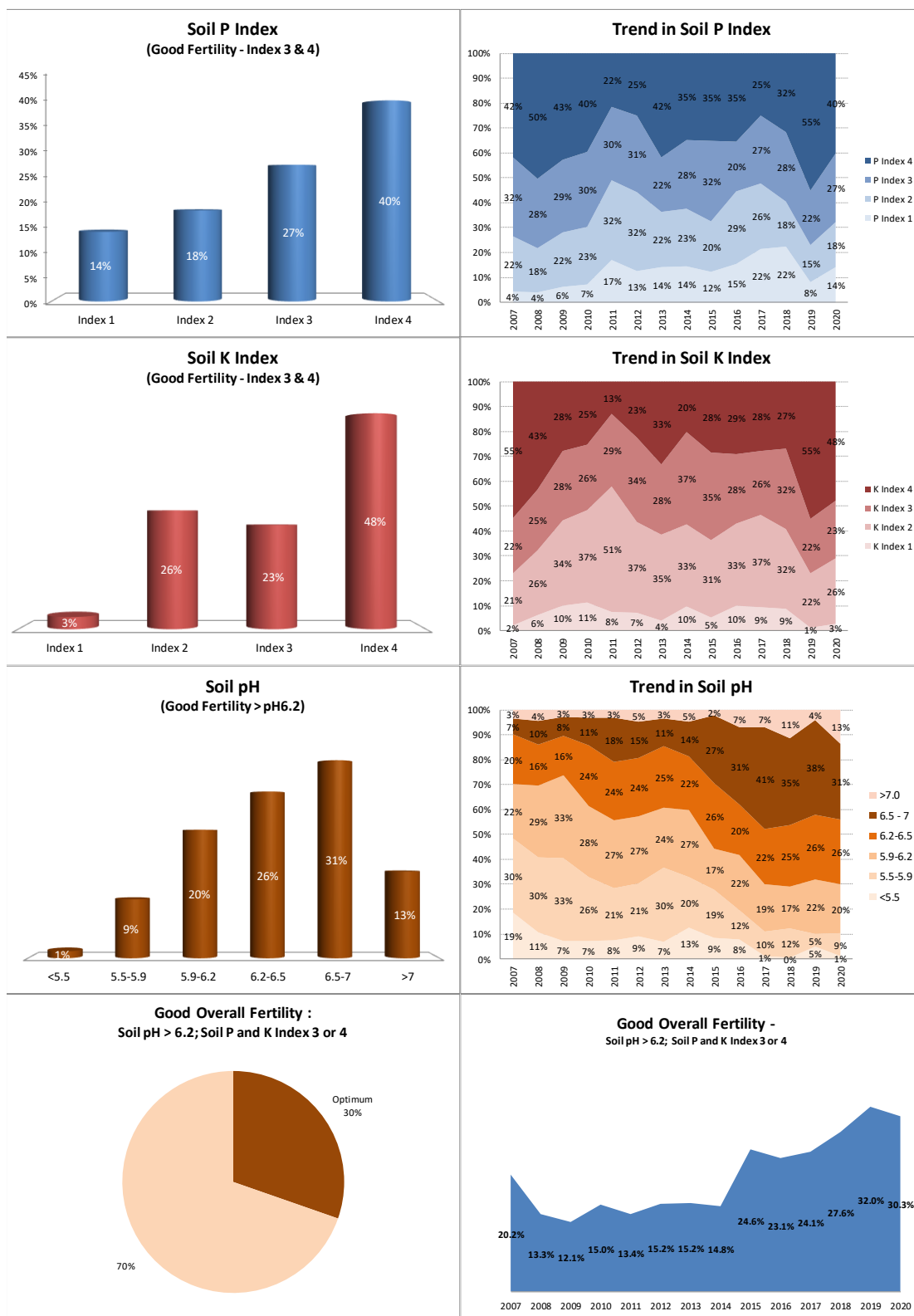




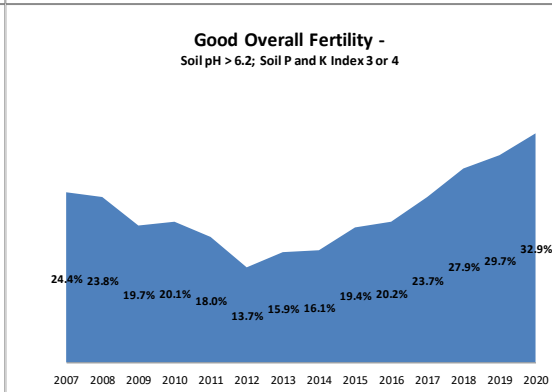
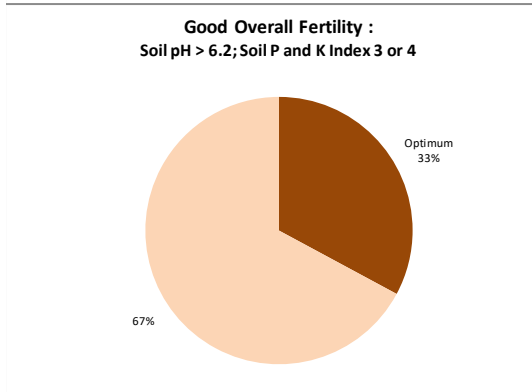
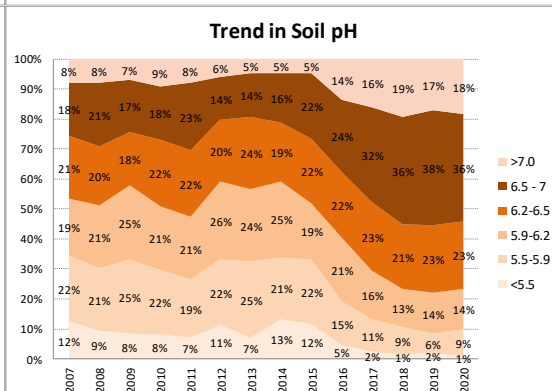
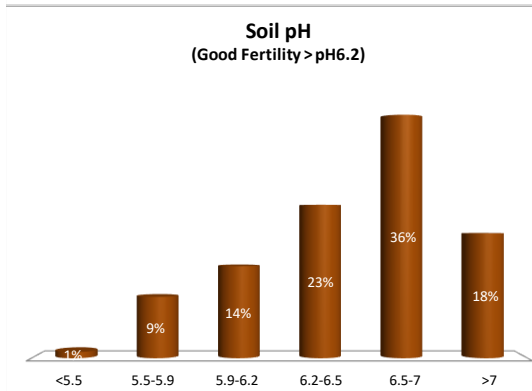
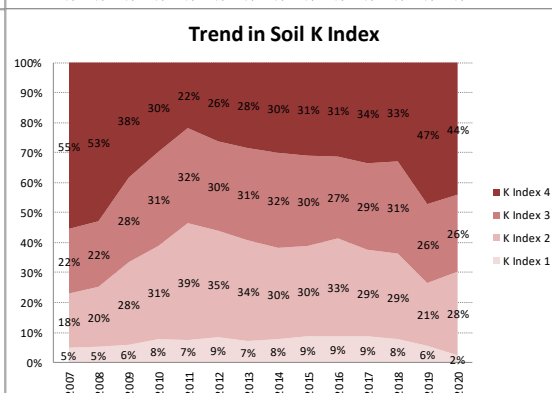
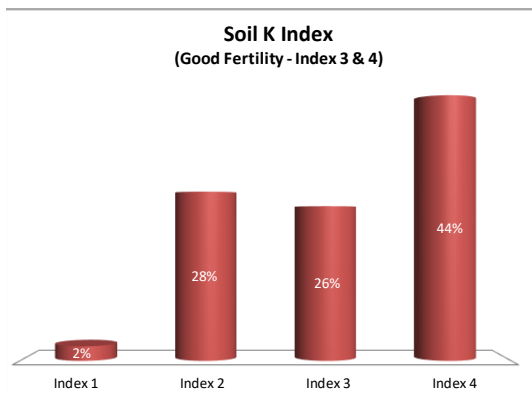
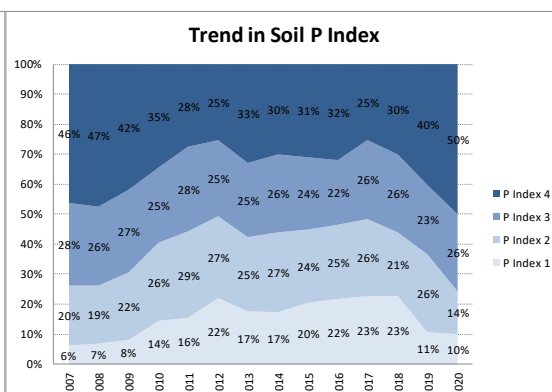
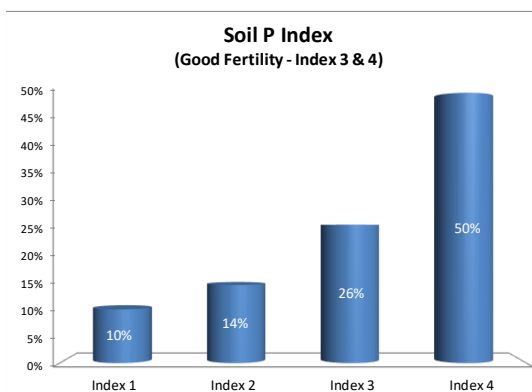


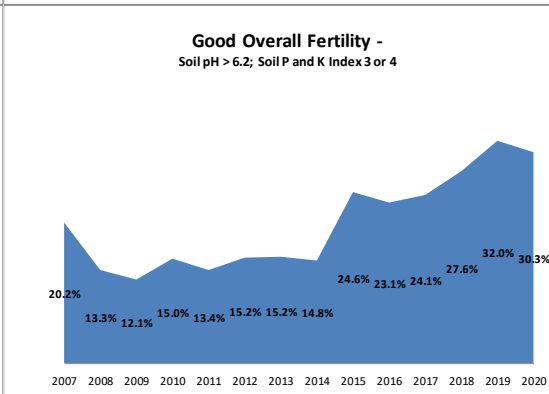
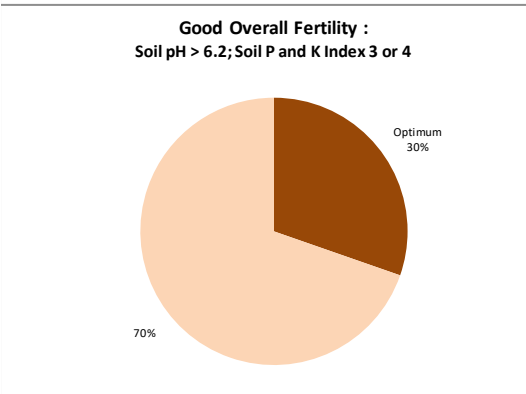
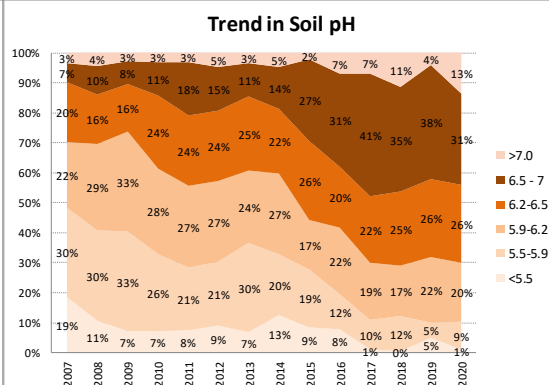
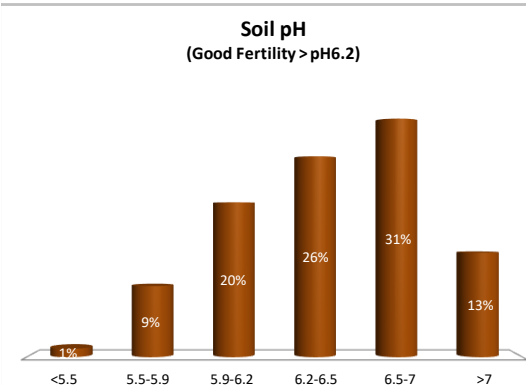
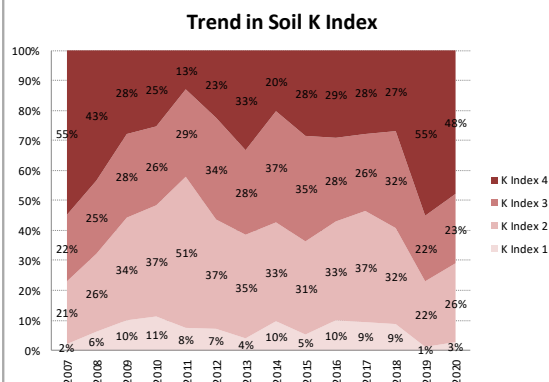
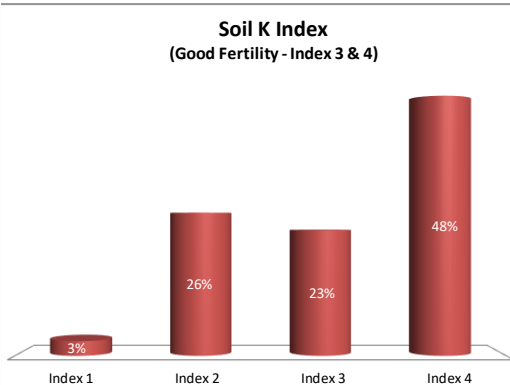
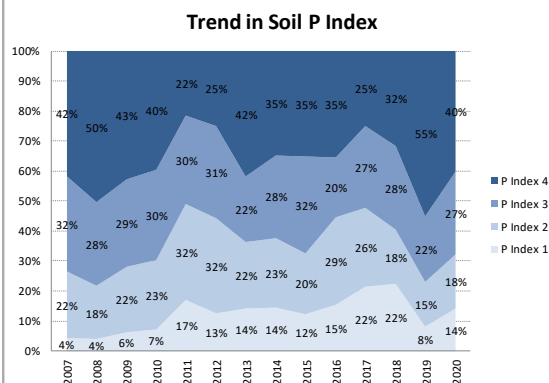
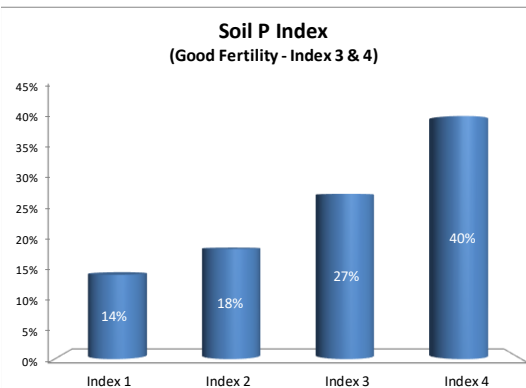
Soil Analysis Status and Trends

County	Carlow
Year	2020
Enterprise	Dairy
Number of Samples	186



County	Carlow
Year	2020
Enterprise	All Farms
Number of Samples	332

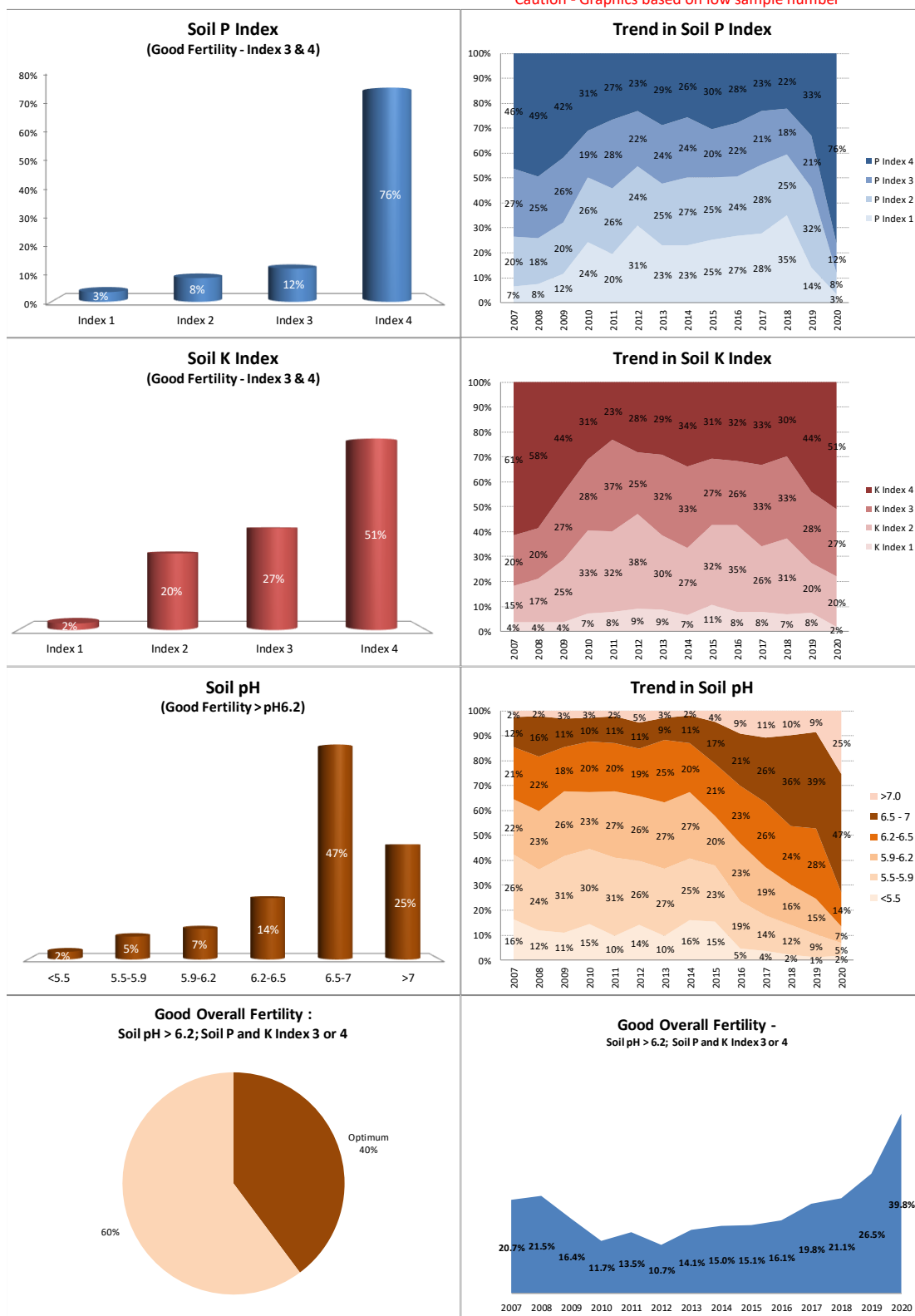




Soil Analysis Status and Trends

County	Carlow
Year	2020
Enterprise	Drystock
Number of Samples	59

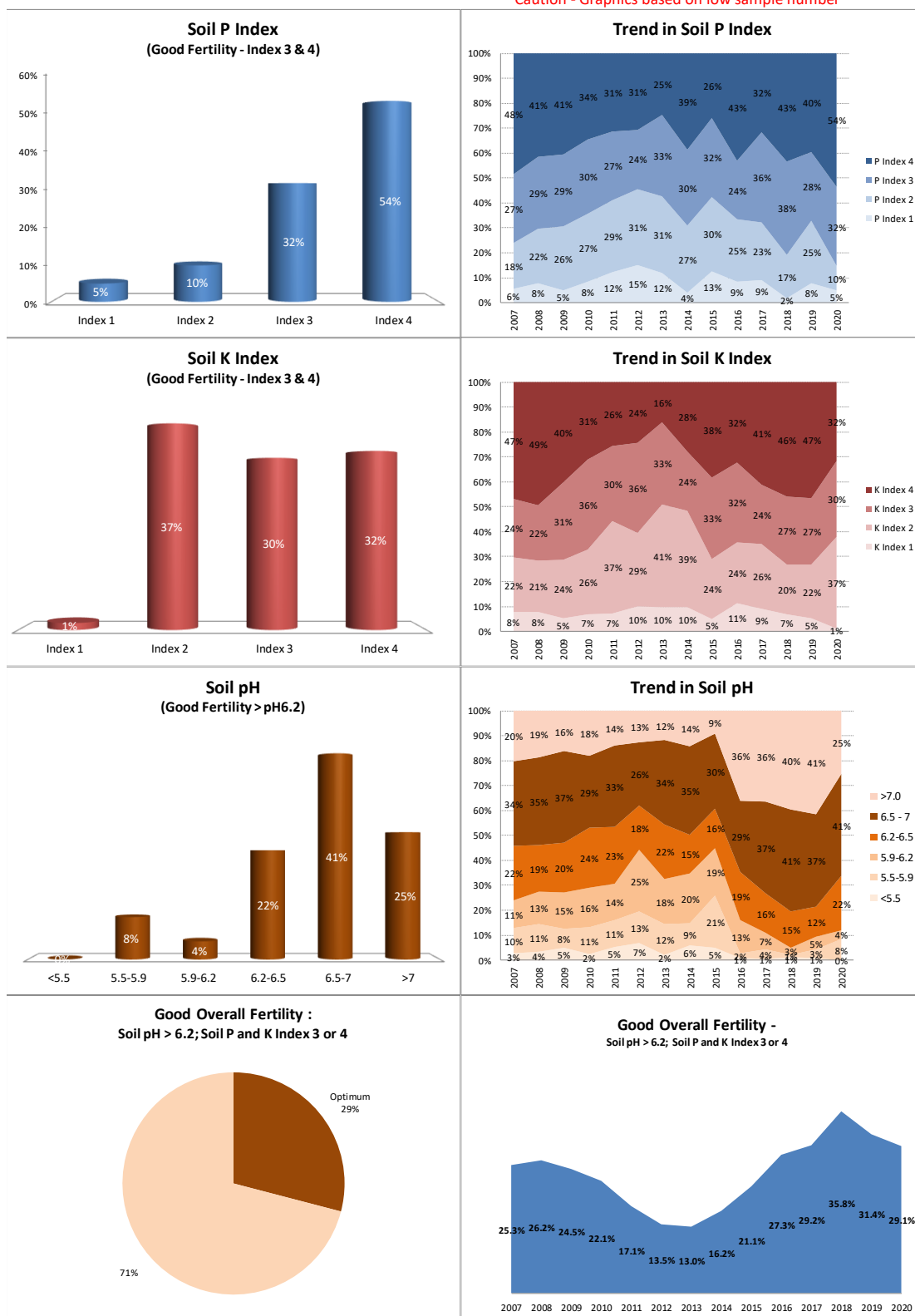
Caution - Graphics based on low sample number



Soil Analysis Status and Trends

County	Carlow
Year	2020
Enterprise	Tillage
Number of Samples	82

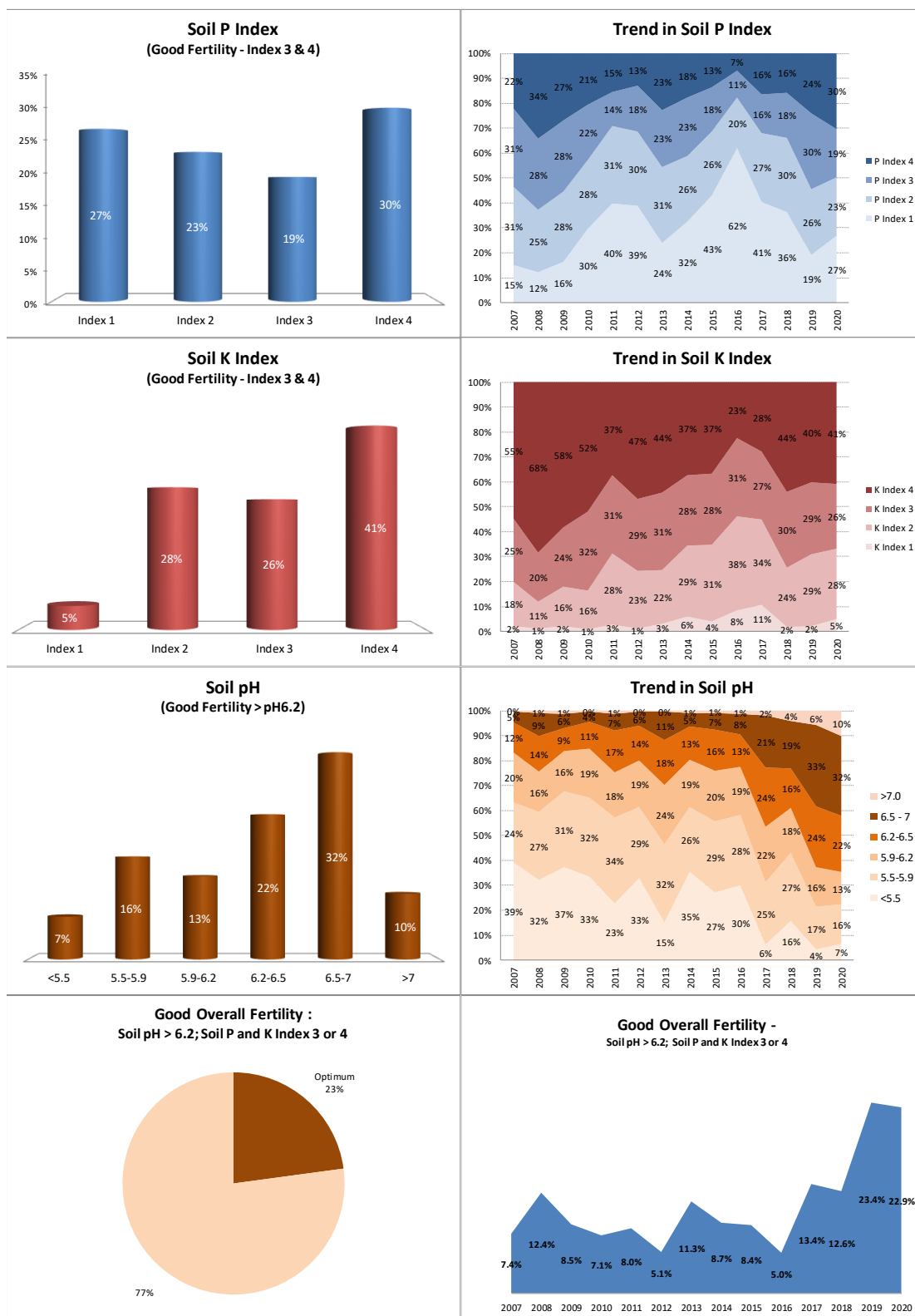
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Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

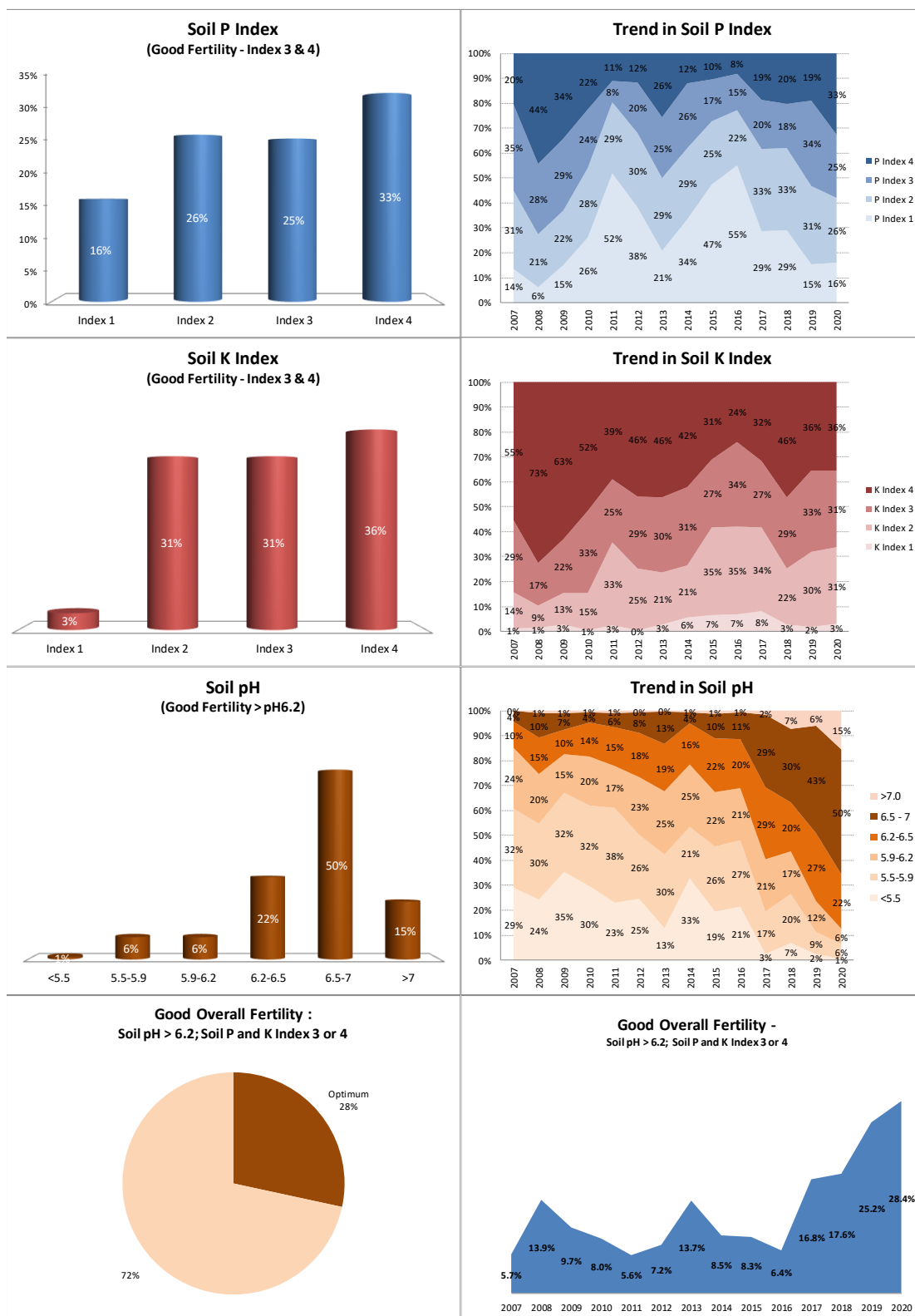
County	Cavan
Year	2020
Enterprise	All Farms
Number of Samples	334

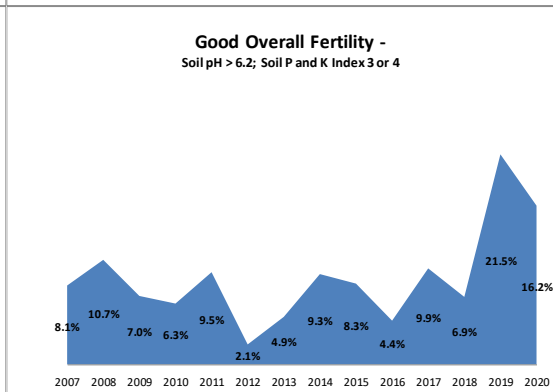
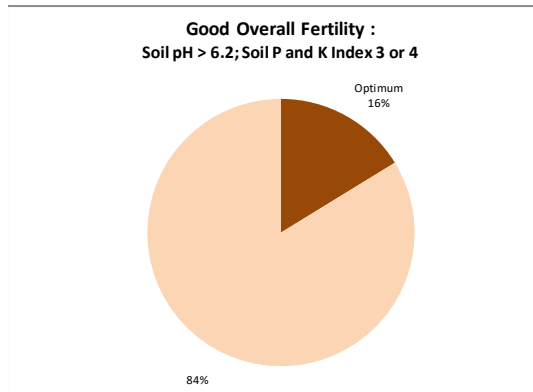
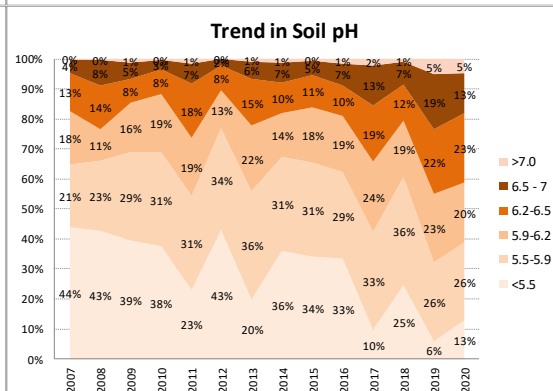
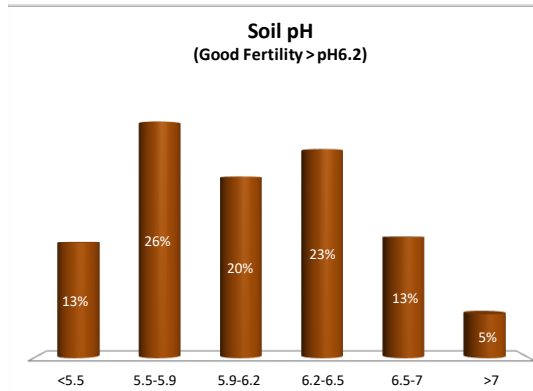
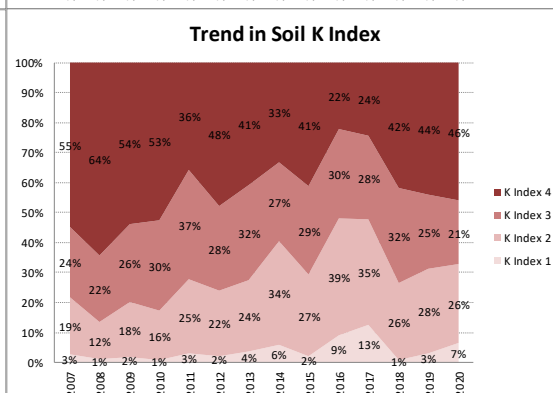
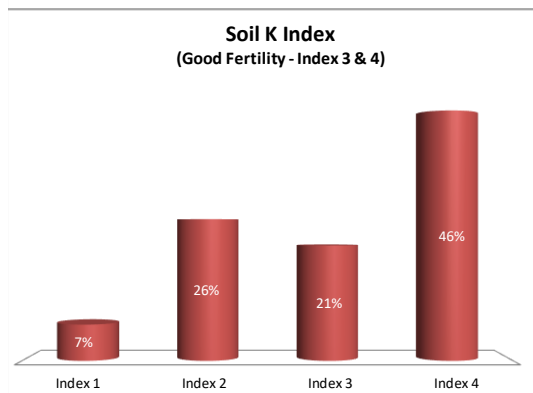
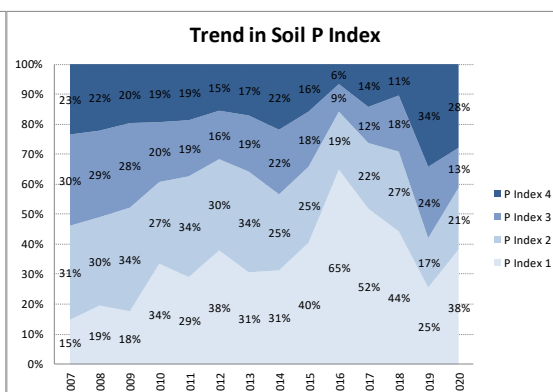
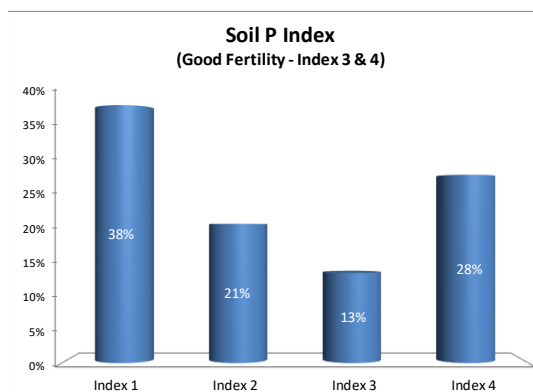


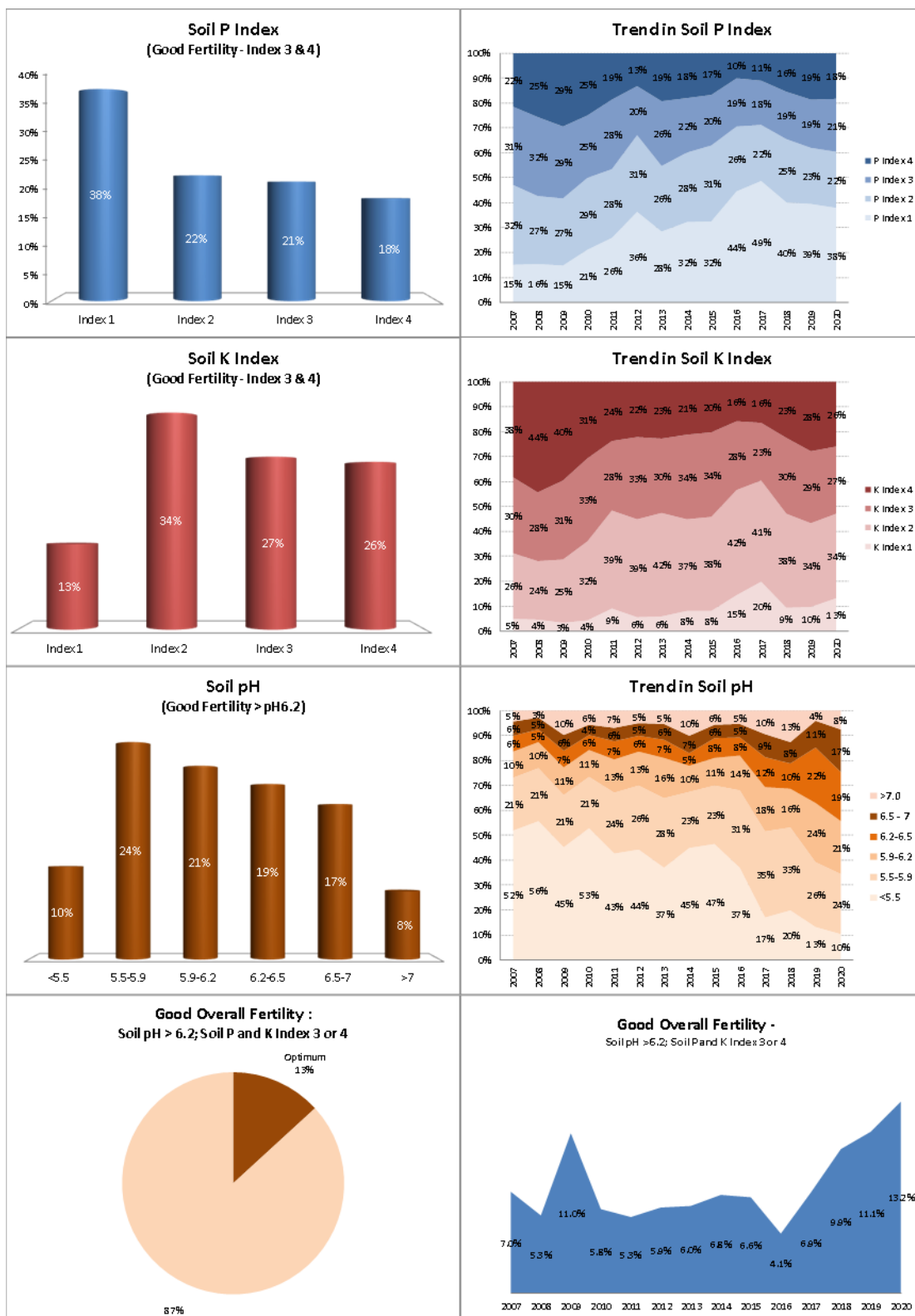
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

County	Cavan
Year	2020
Enterprise	Dairy
Number of Samples	169

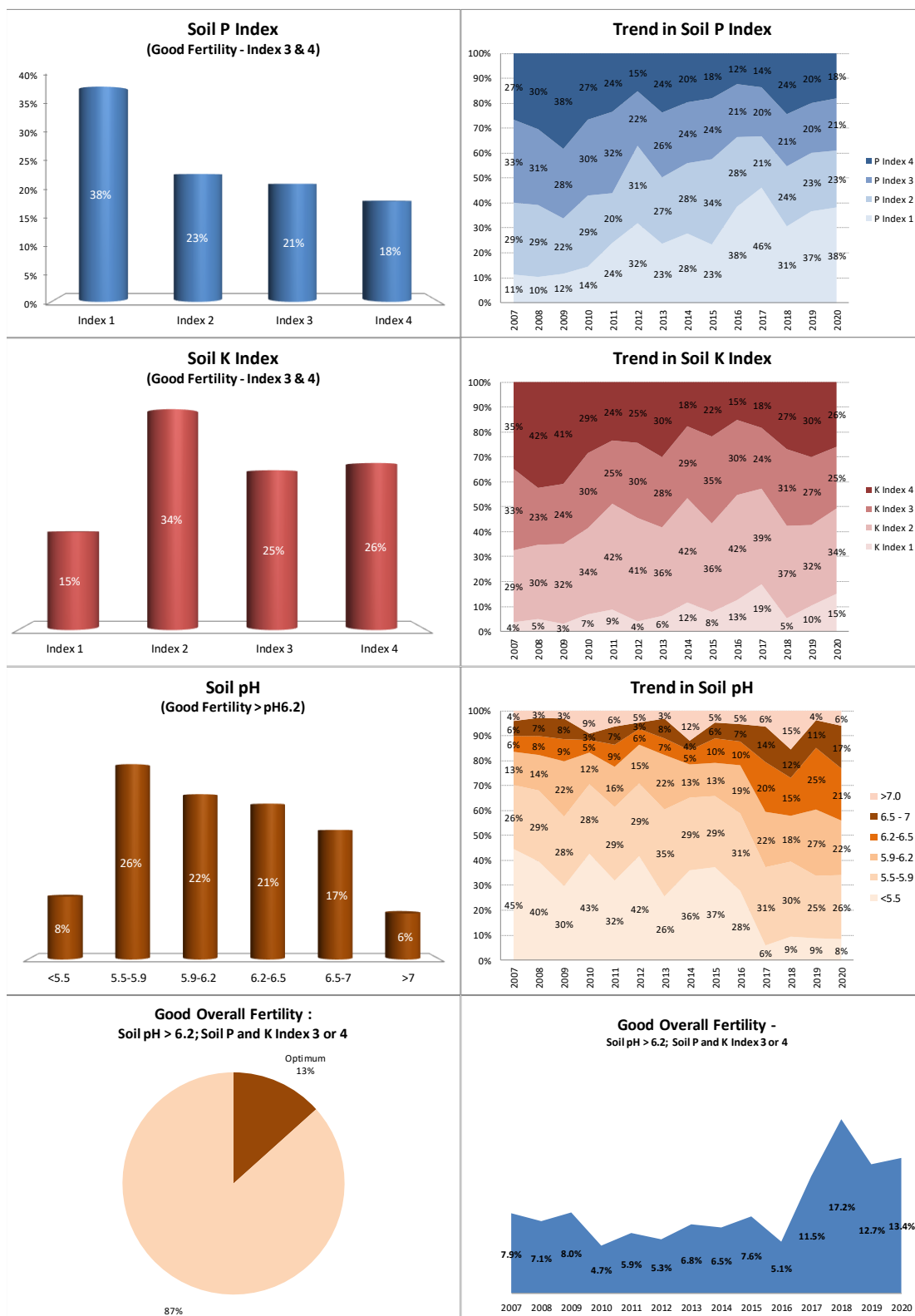


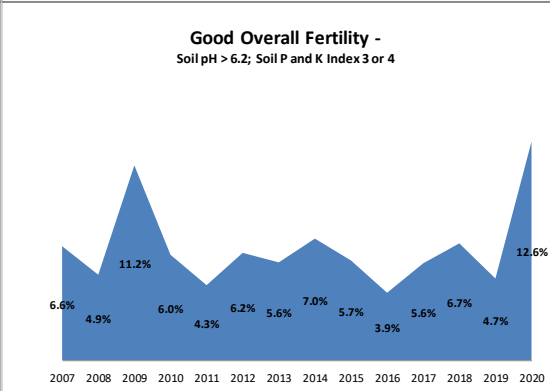
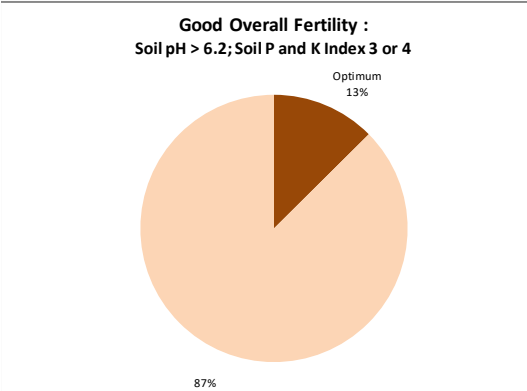
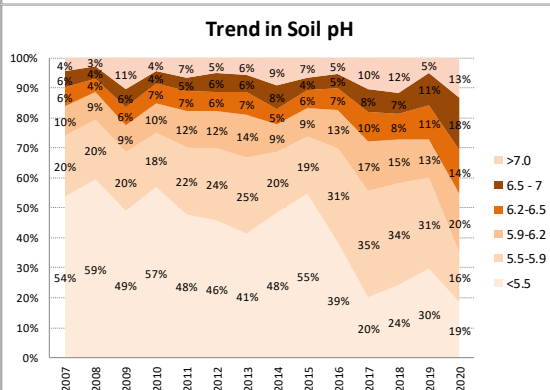
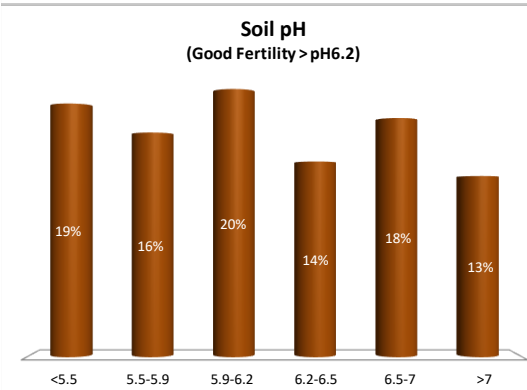
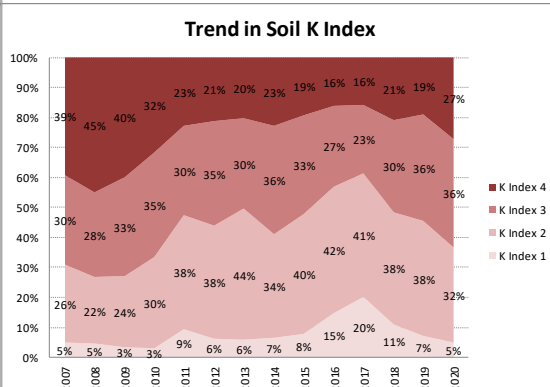
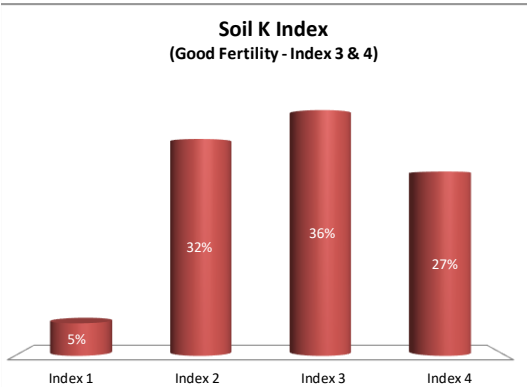
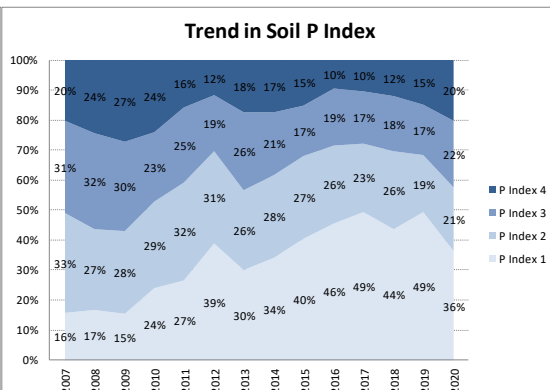
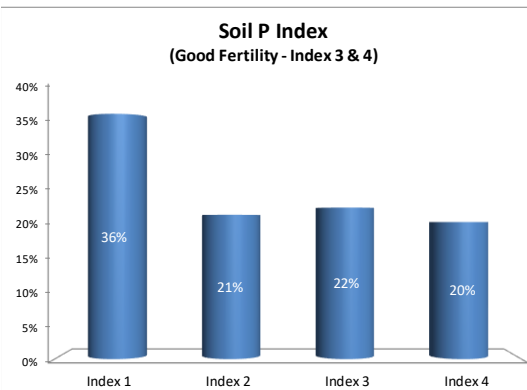


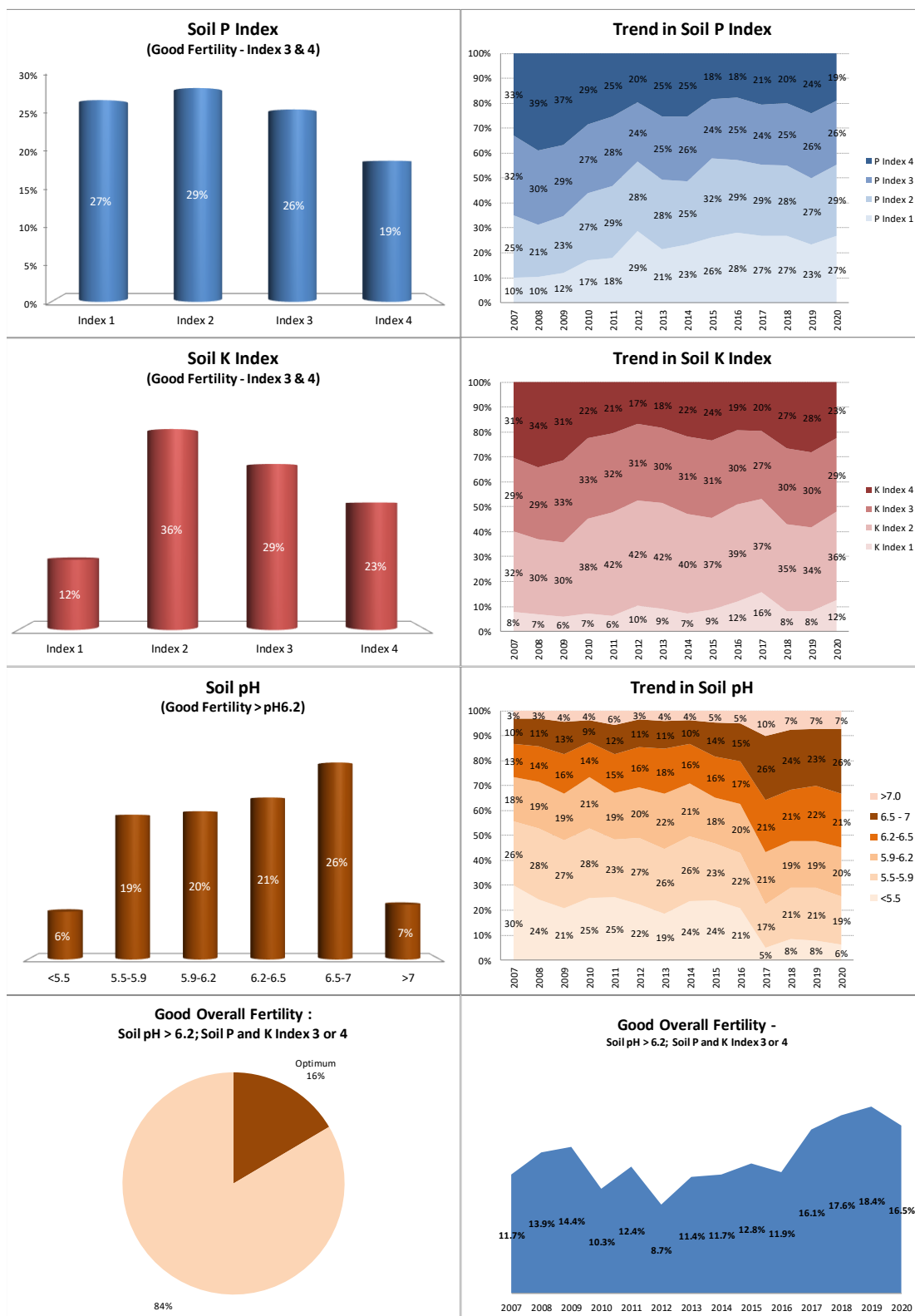


Soil Analysis Status and Trends

County	Clare
Year	2020
Enterprise	Dairy
Number of Samples	804



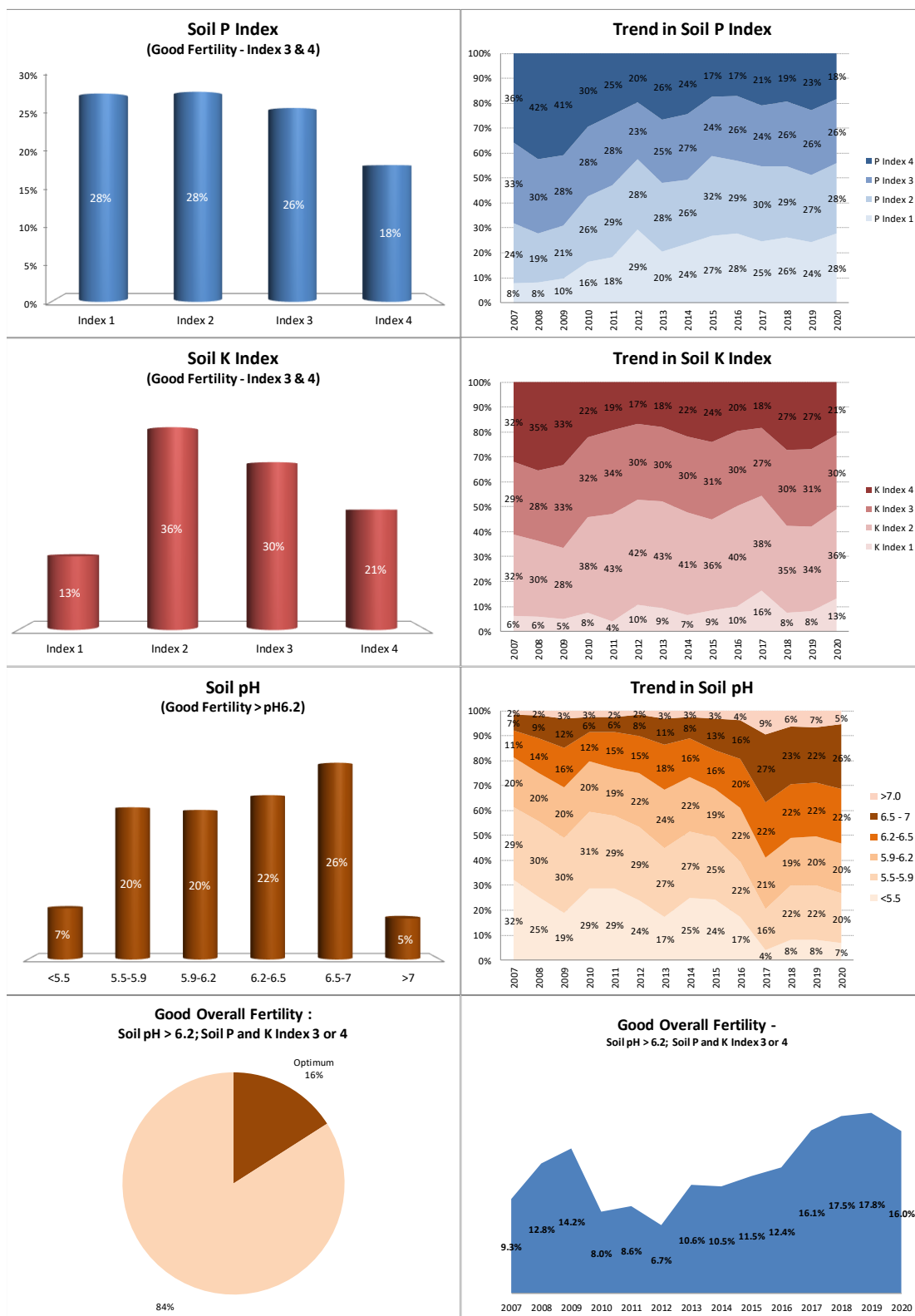




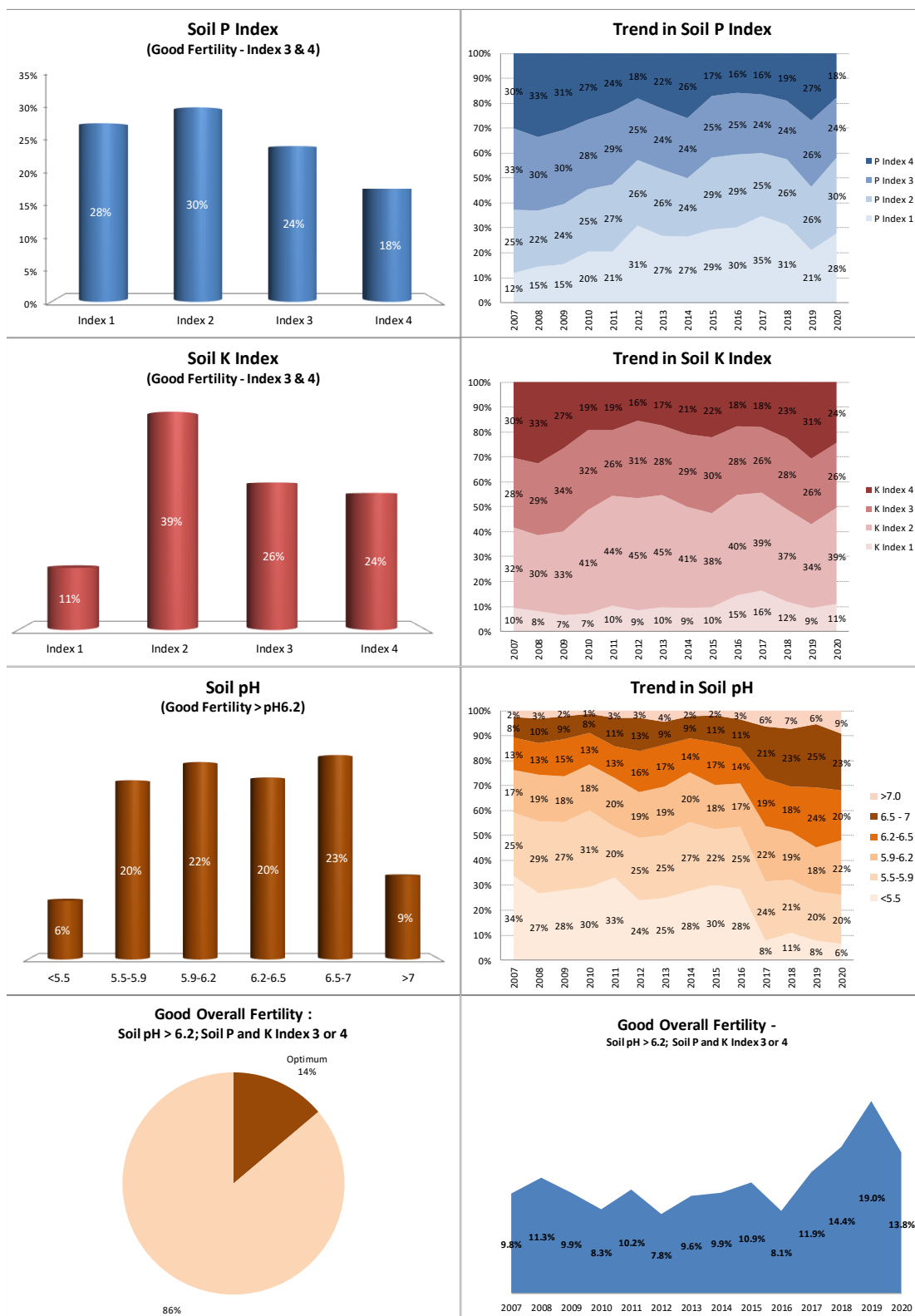
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

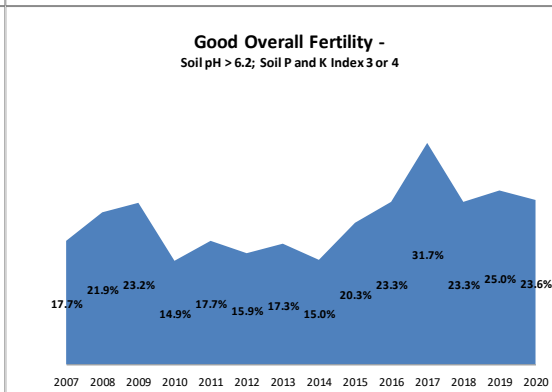
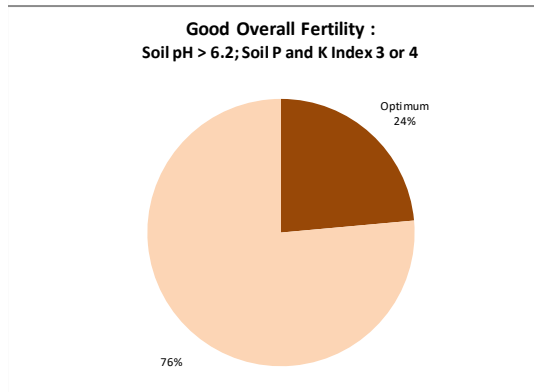
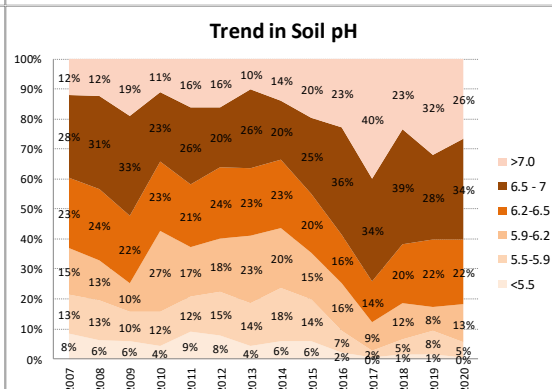
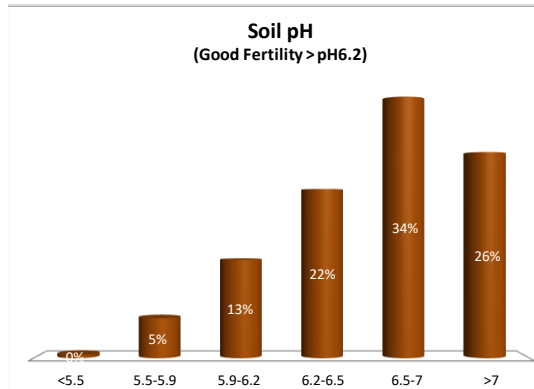
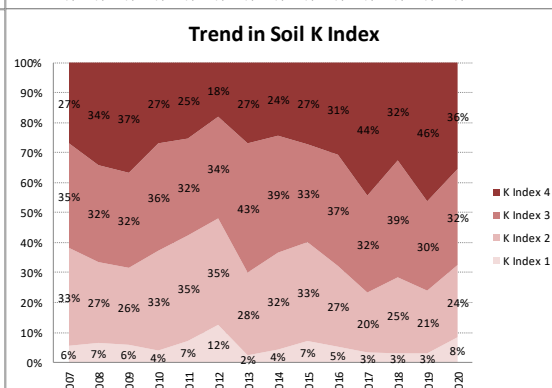
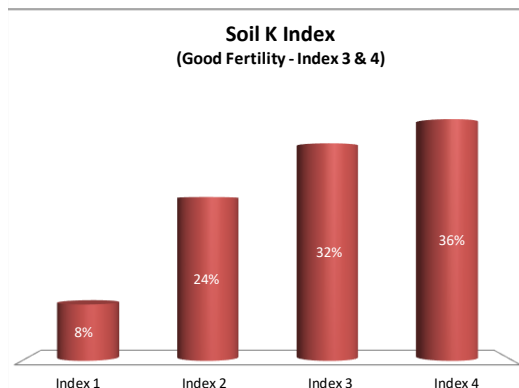
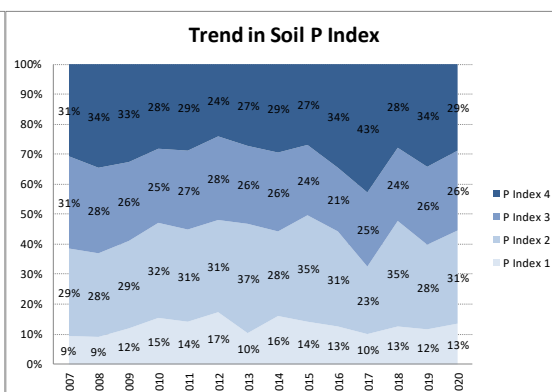
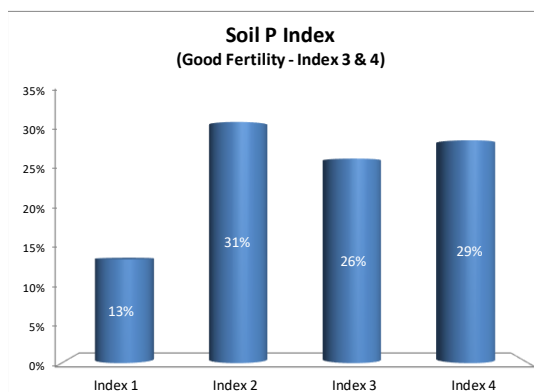
County	Cork
Year	2020
Enterprise	Dairy
Number of Samples	3,423



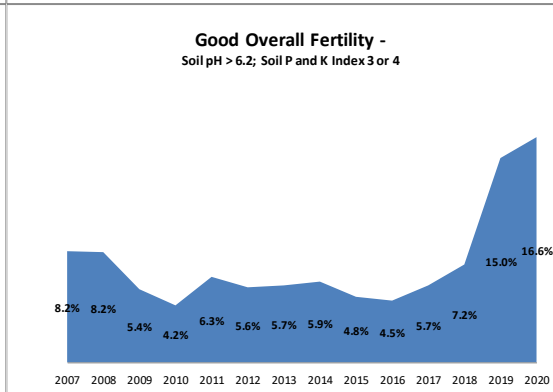
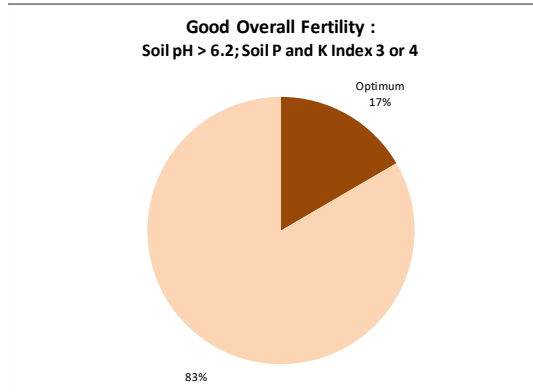
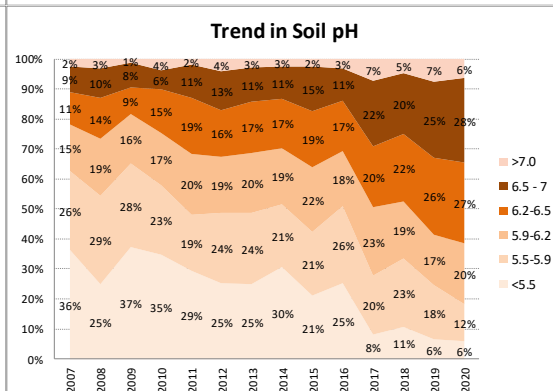
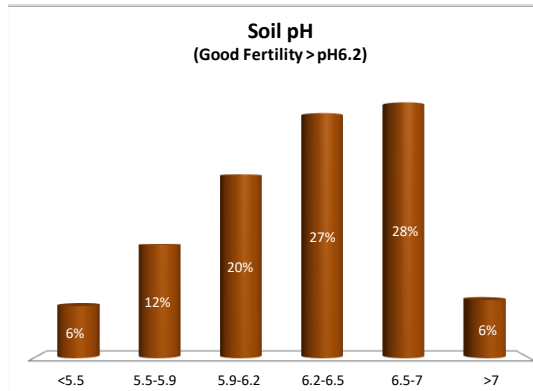
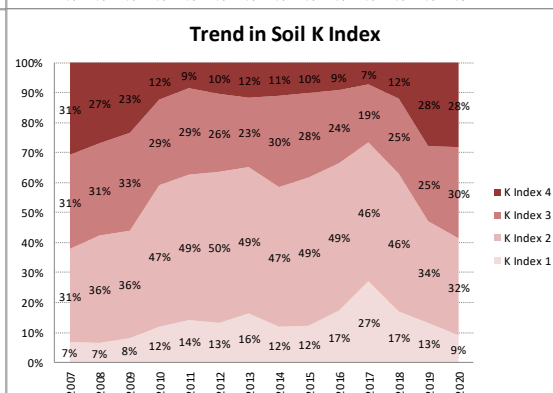
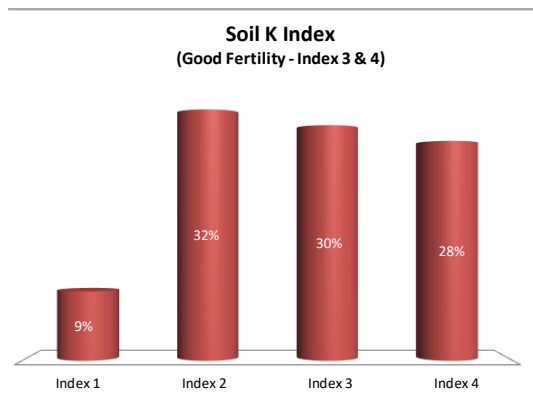
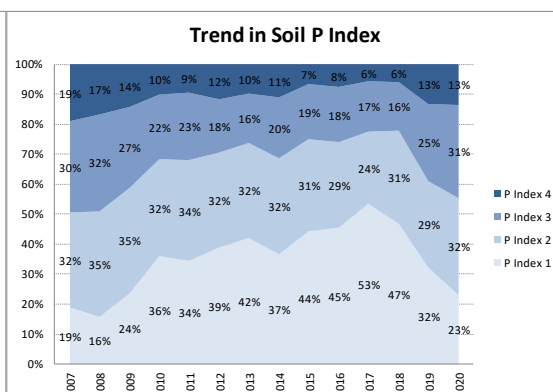
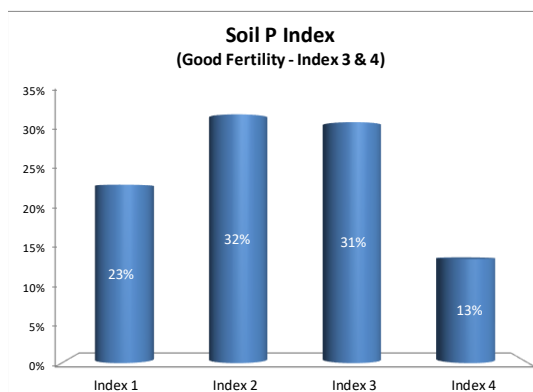
County	Cork
Year	2020
Enterprise	Drystock
Number of Samples	647



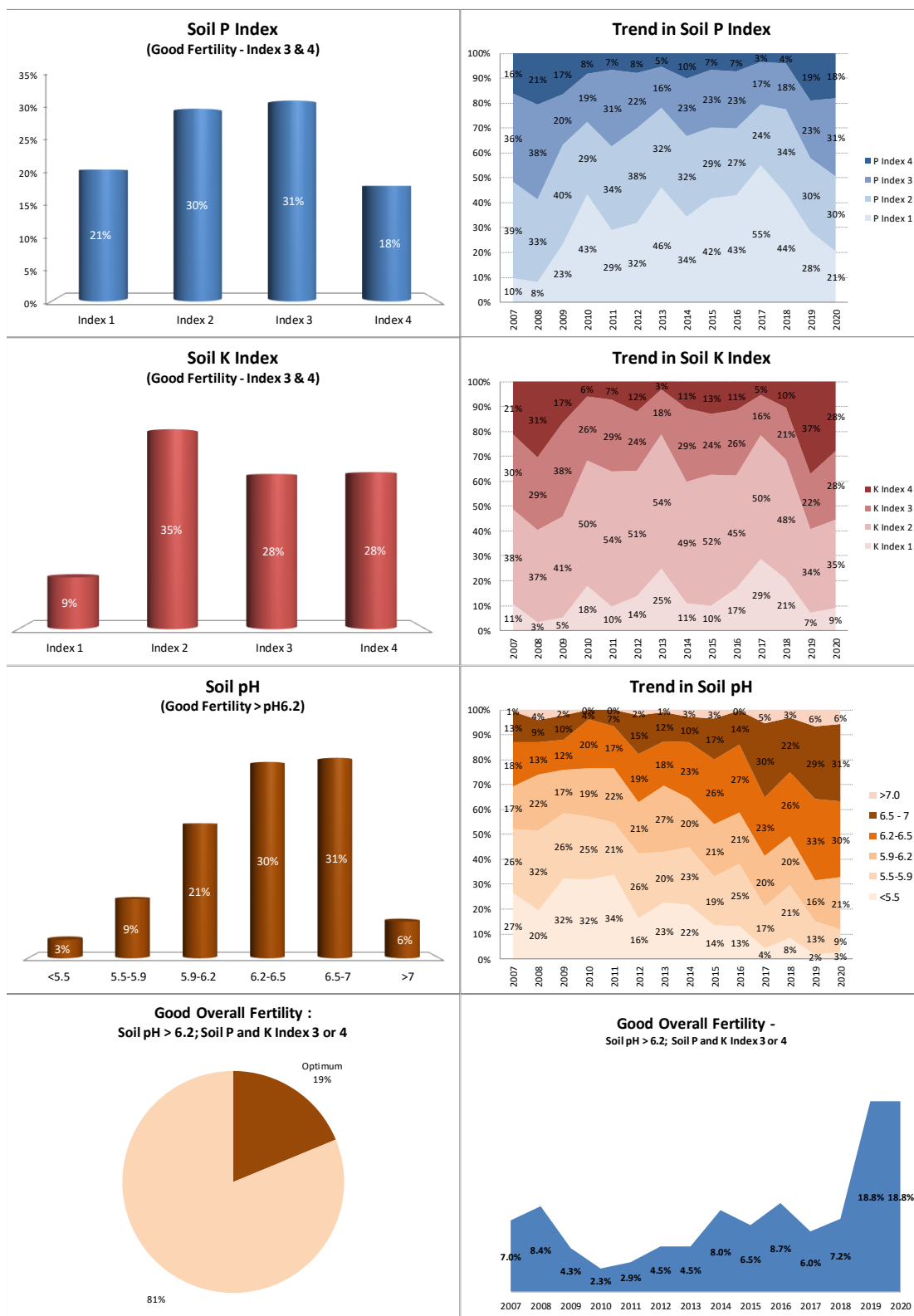
Cork
2020
Tillage
253



County	Donegal
Year	2020
Enterprise	All Farms
Number of Samples	593

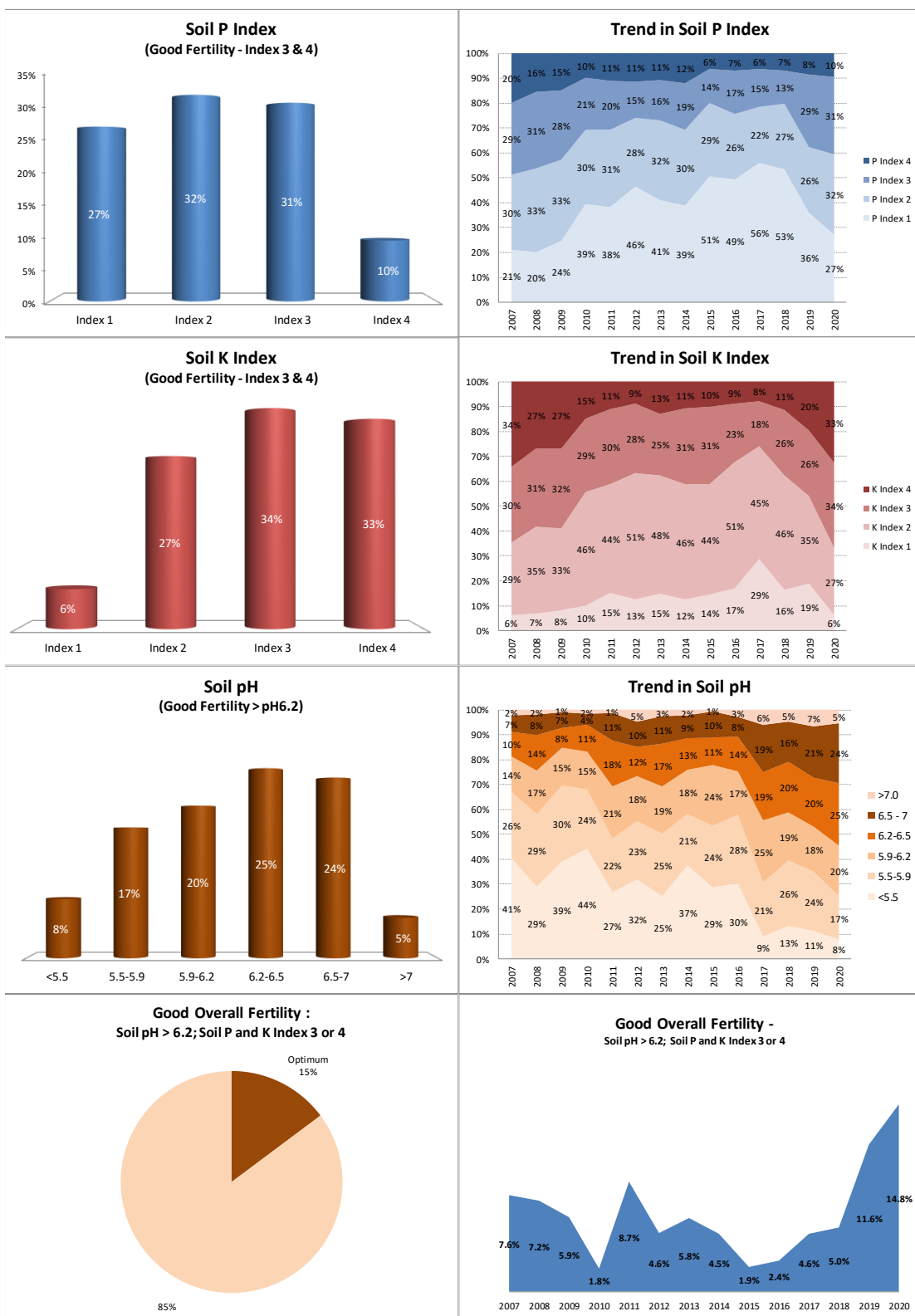


County	Donegal
Year	2020
Enterprise	Dairy
Number of Samples	316



Soil Analysis Status and Trends

County	Donegal
Year	2020
Enterprise	Drystock
Number of Samples	242

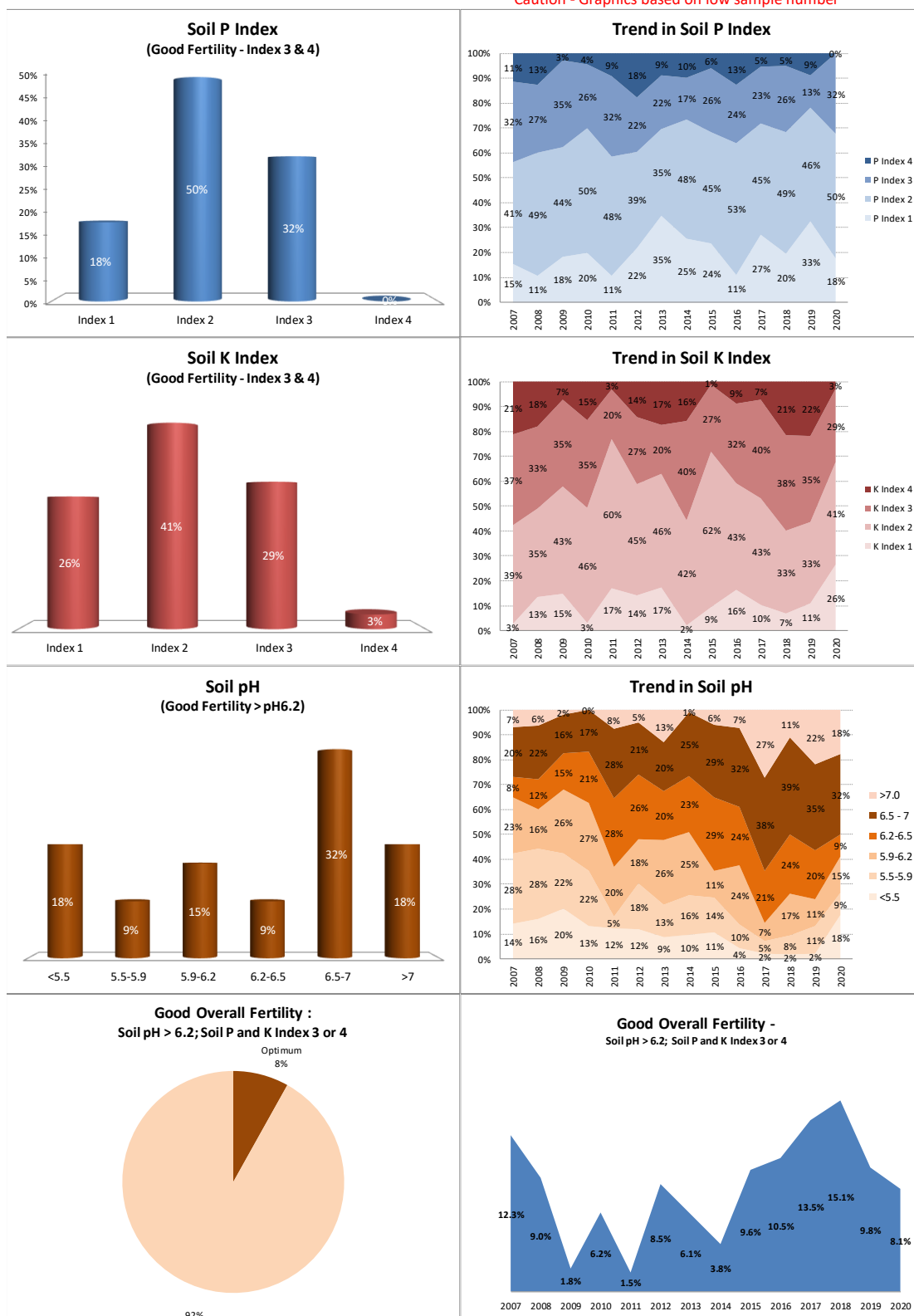


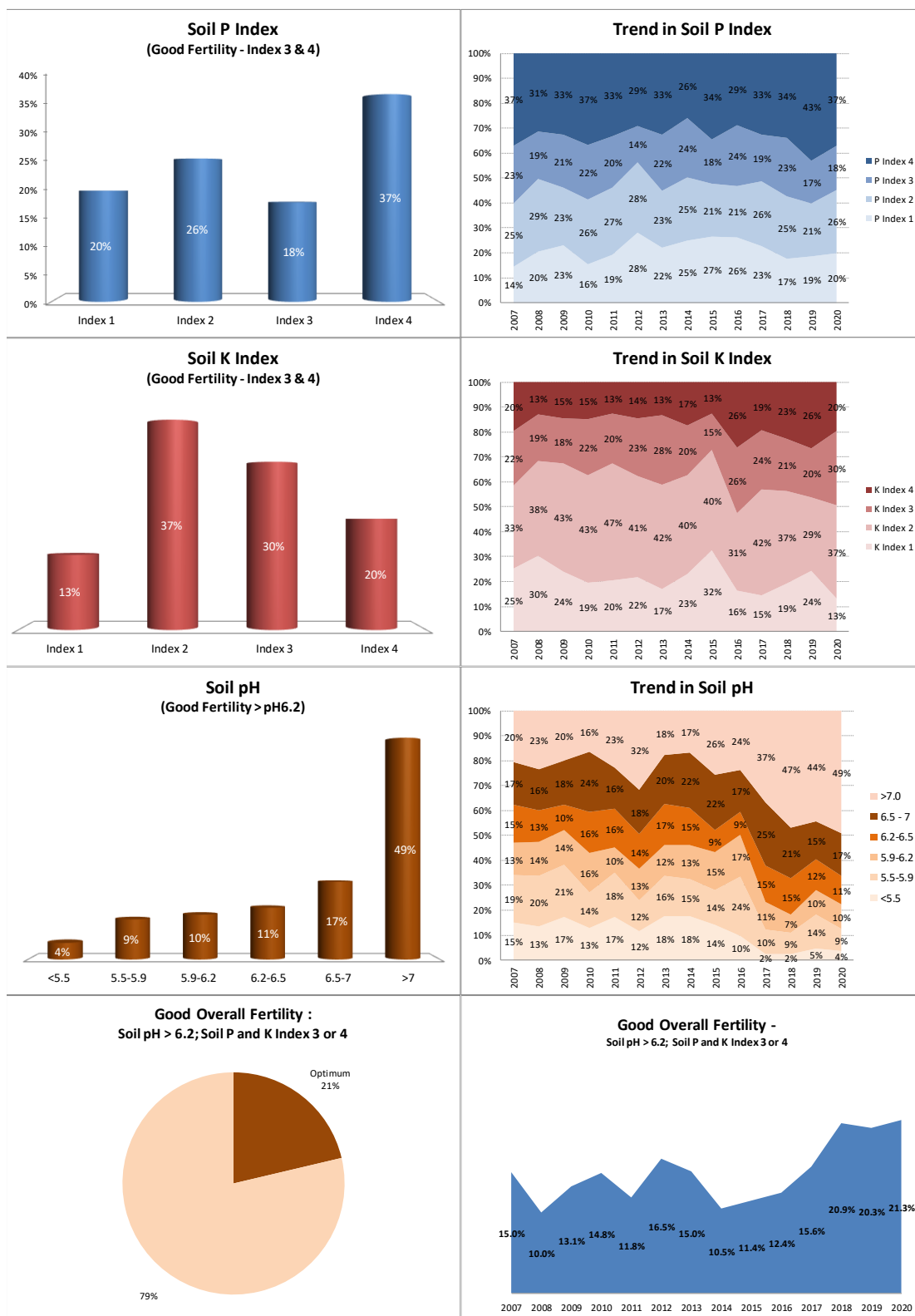
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

Donegal
2020
Tillage
34

Caution - Graphics based on low sample number

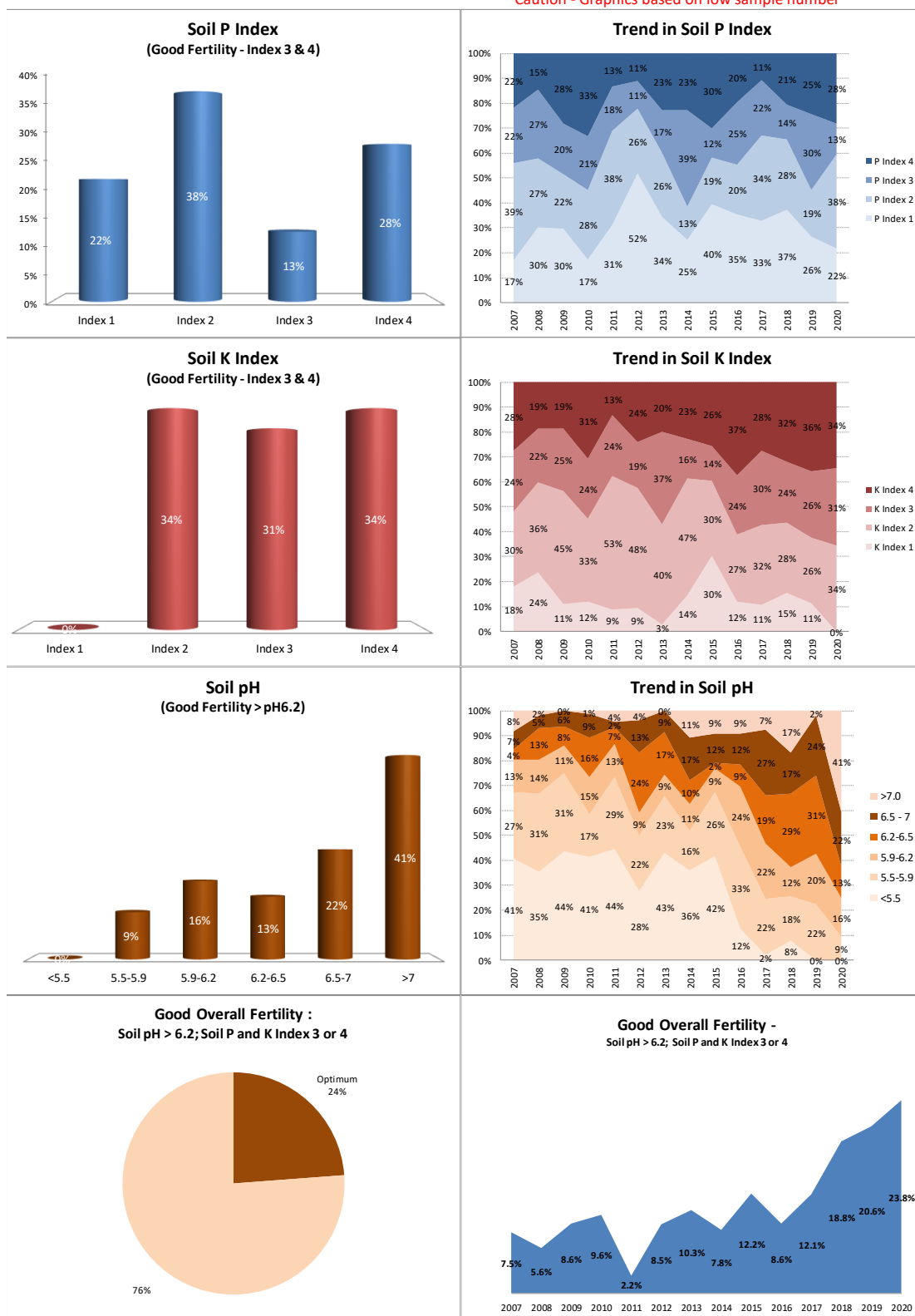




Soil Analysis Status and Trends

County	Dublin
Year	2020
Enterprise	Drystock
Number of Samples	32

Caution - Graphics based on low sample number

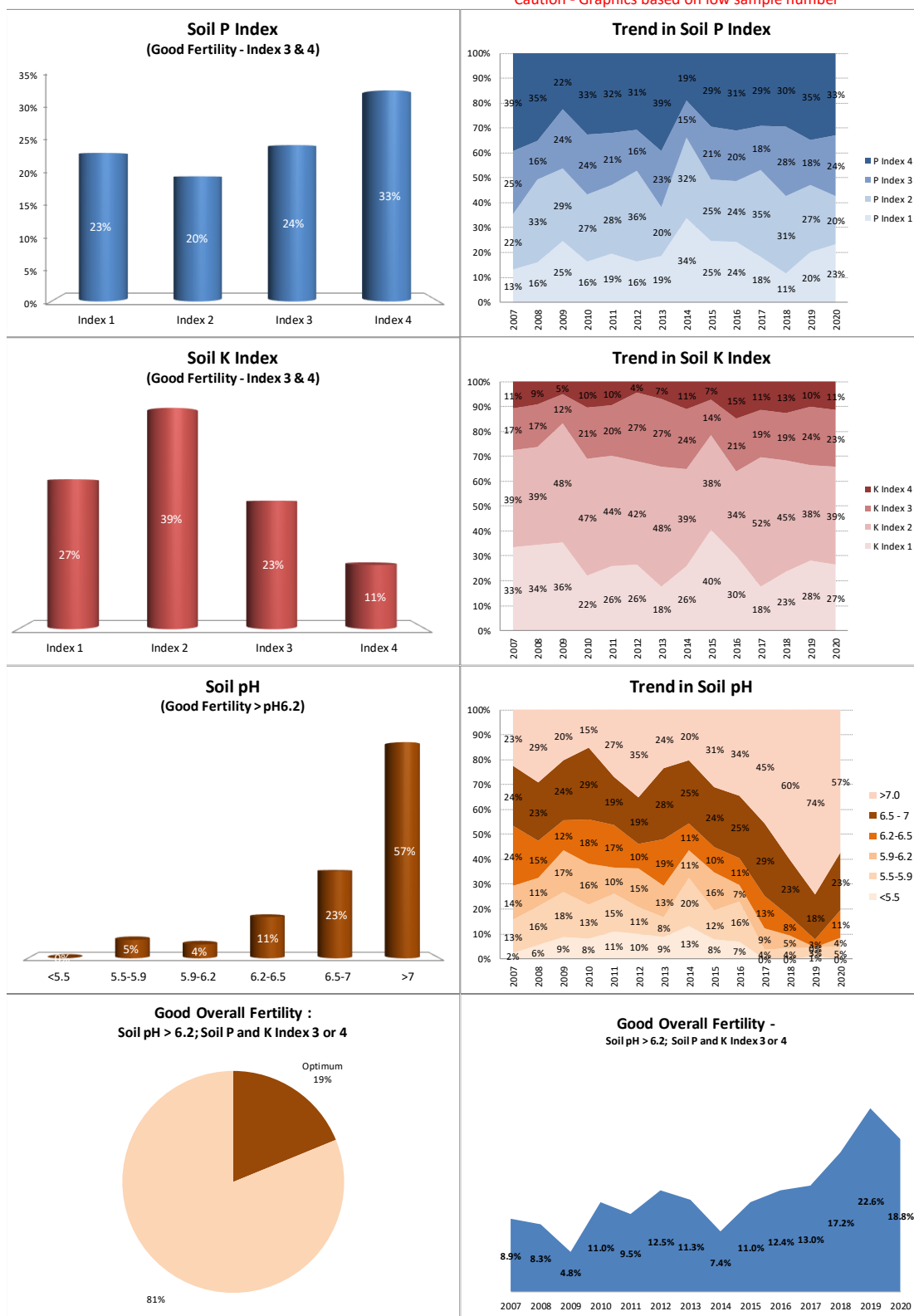


Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

Dublin
2020
Tillage
82

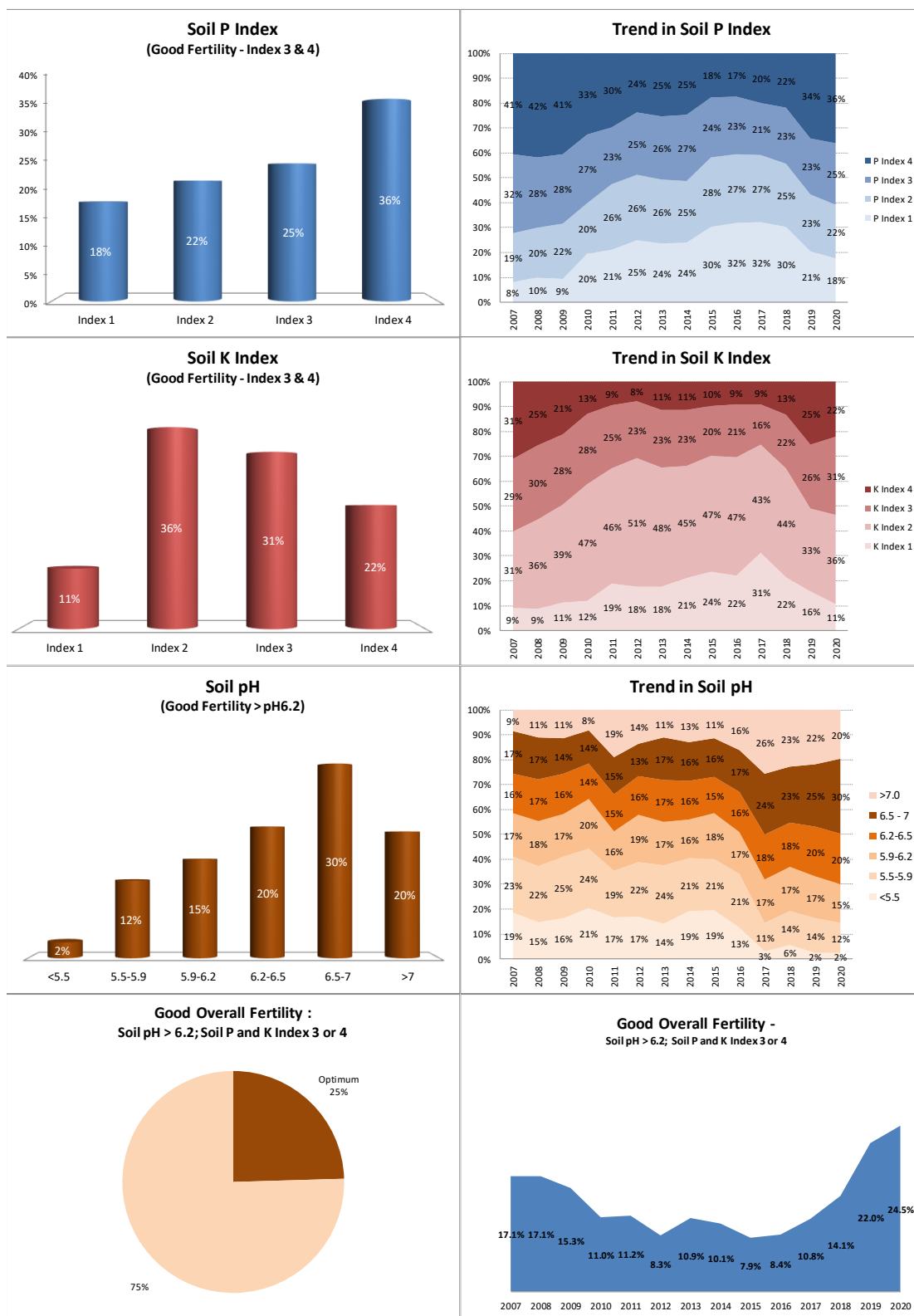
Caution - Graphics based on low sample number



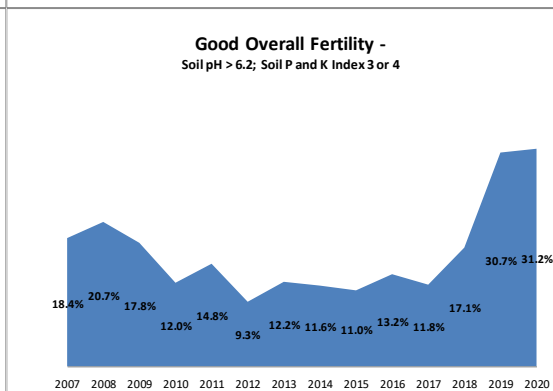
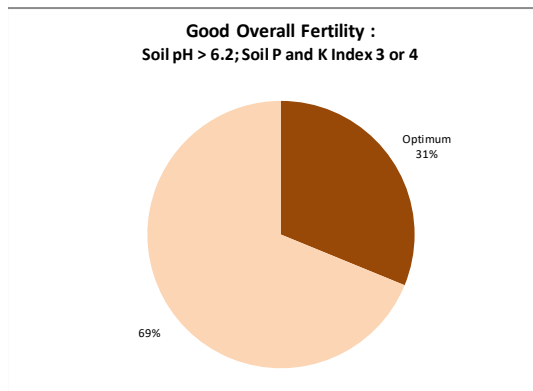
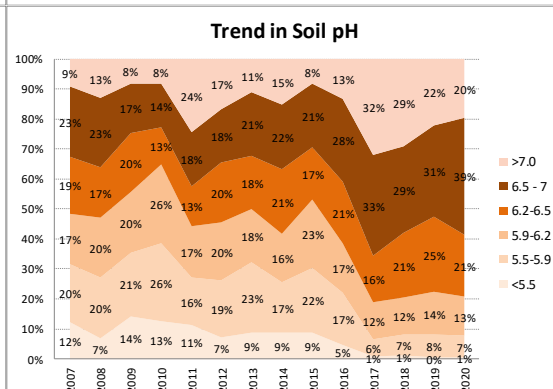
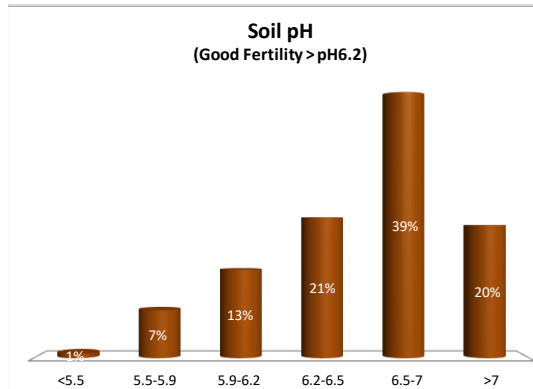
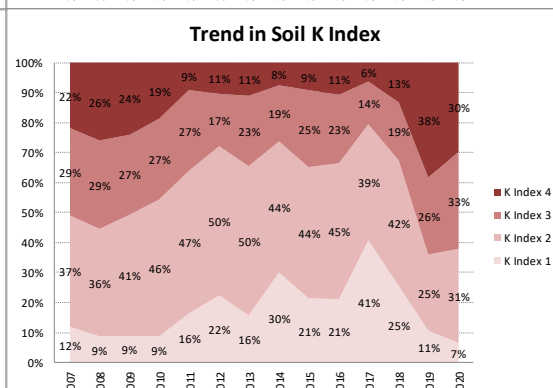
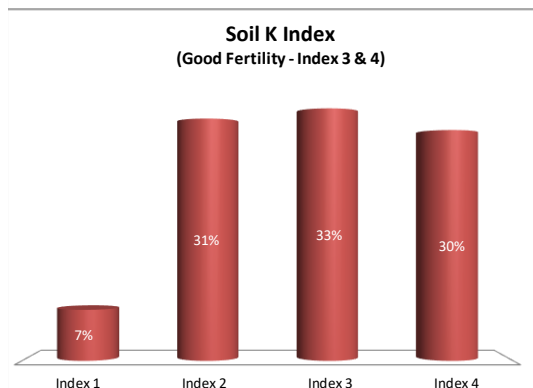
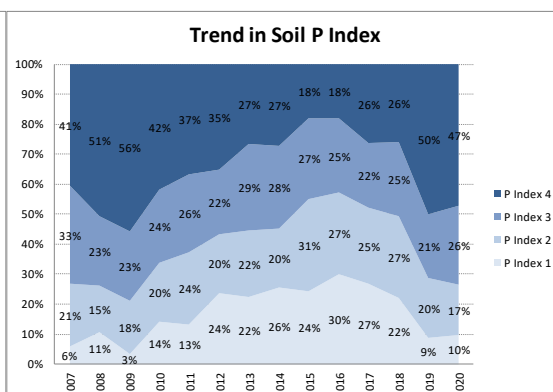
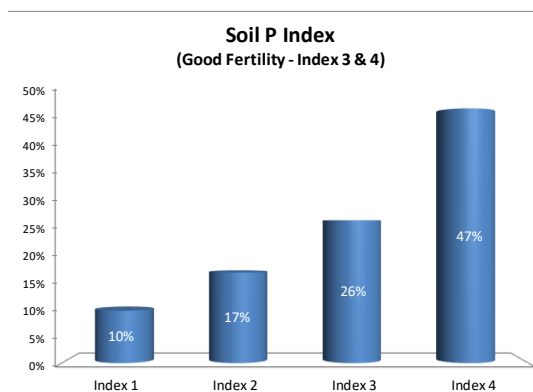
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

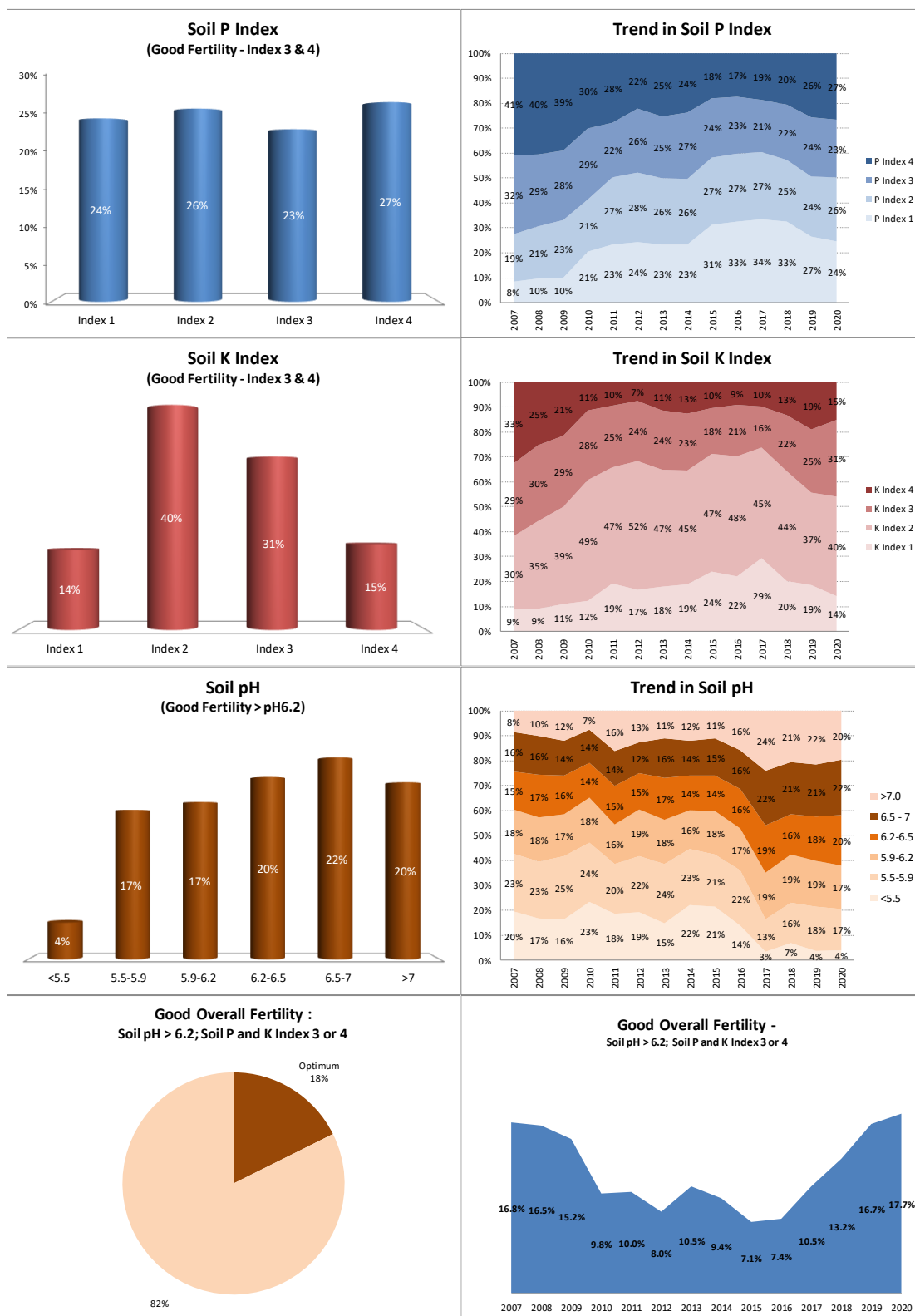
County	Galway
Year	2020
Enterprise	All Farms
Number of Samples	1,304



County	Galway
Year	2020
Enterprise	Dairy
Number of Samples	609

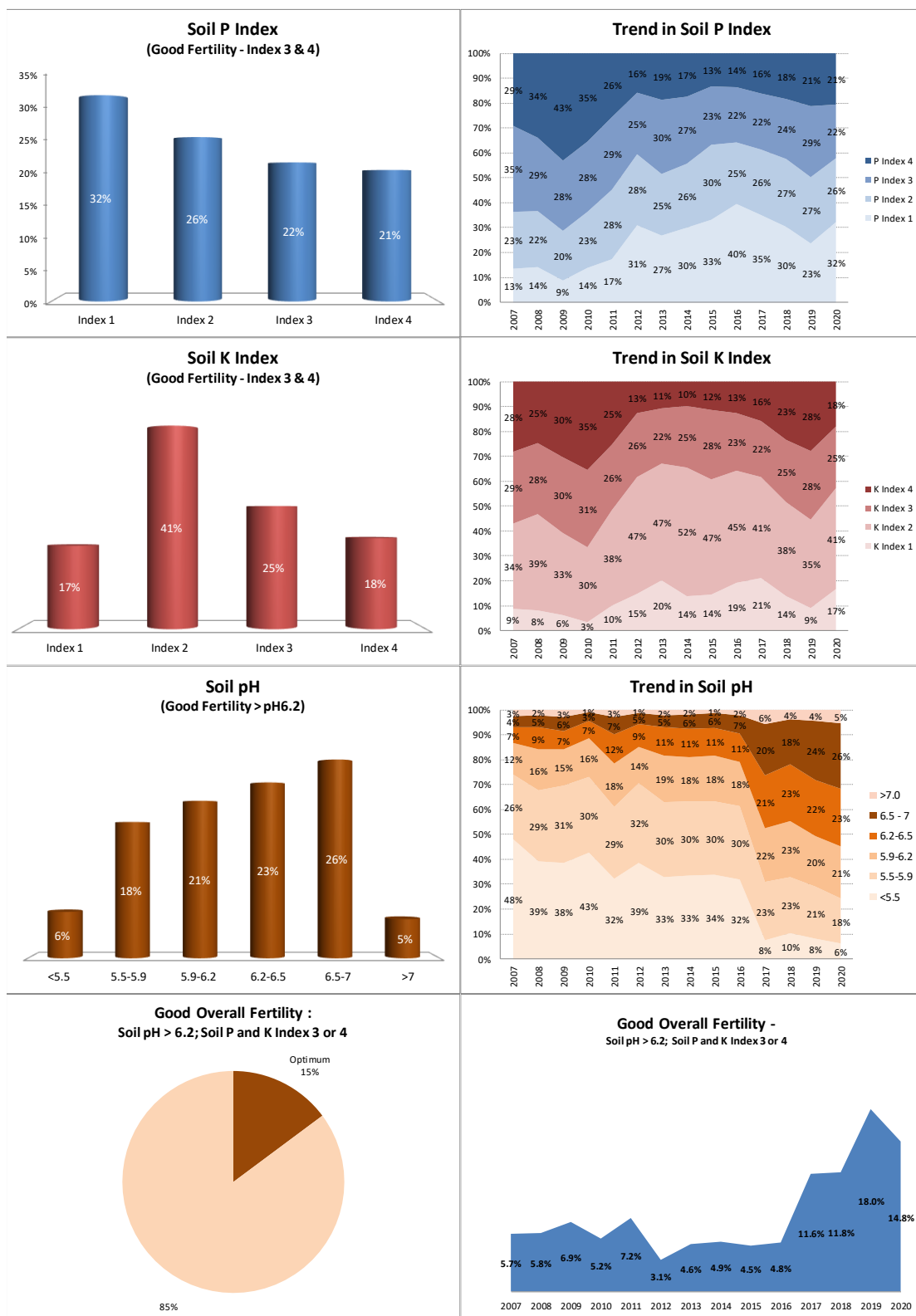


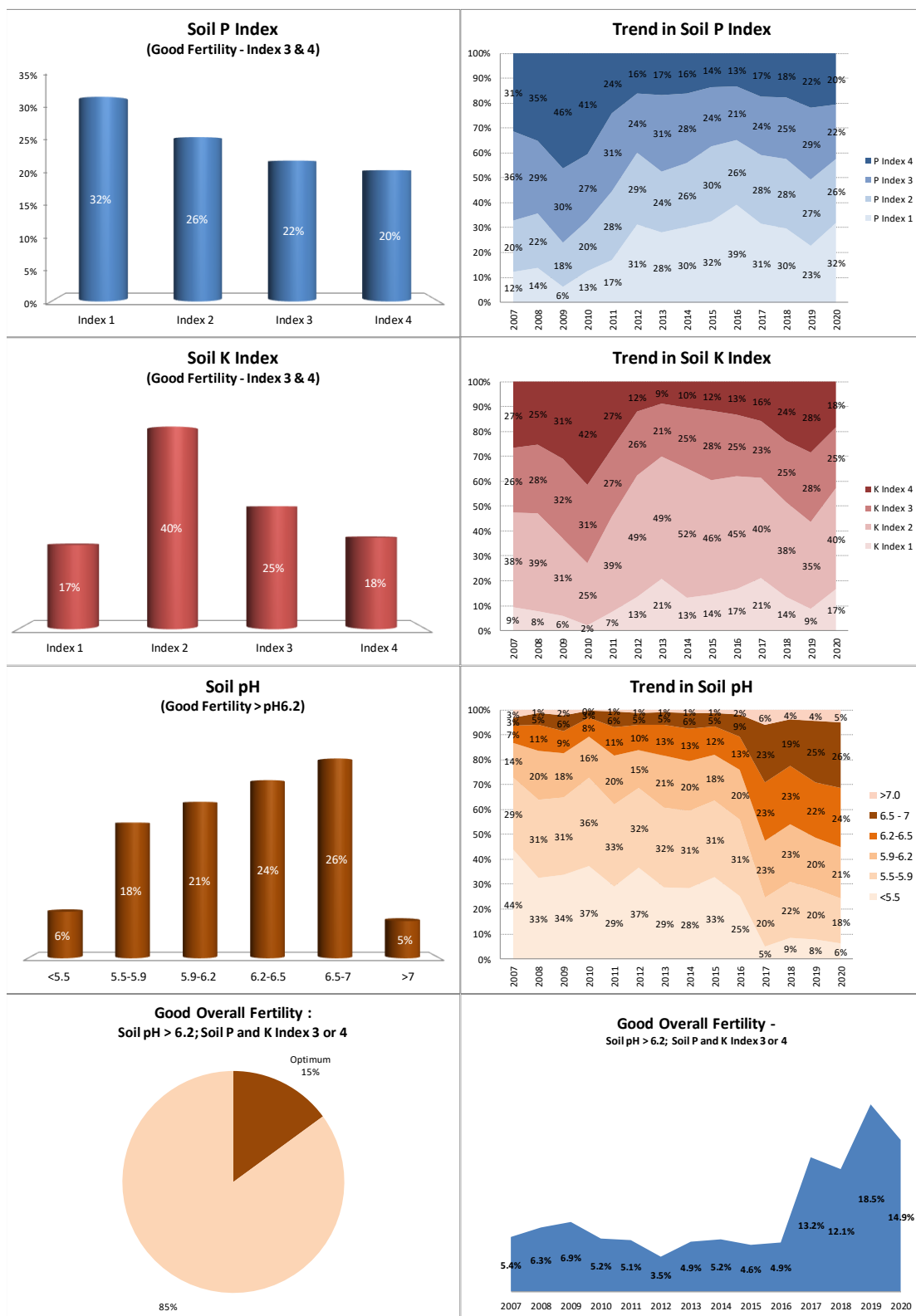
County	Galway
Year	2020
Enterprise	Drystock
Number of Samples	690



Soil Analysis Status and Trends

County	Kerry
Year	2020
Enterprise	All Farms
Number of Samples	2,633

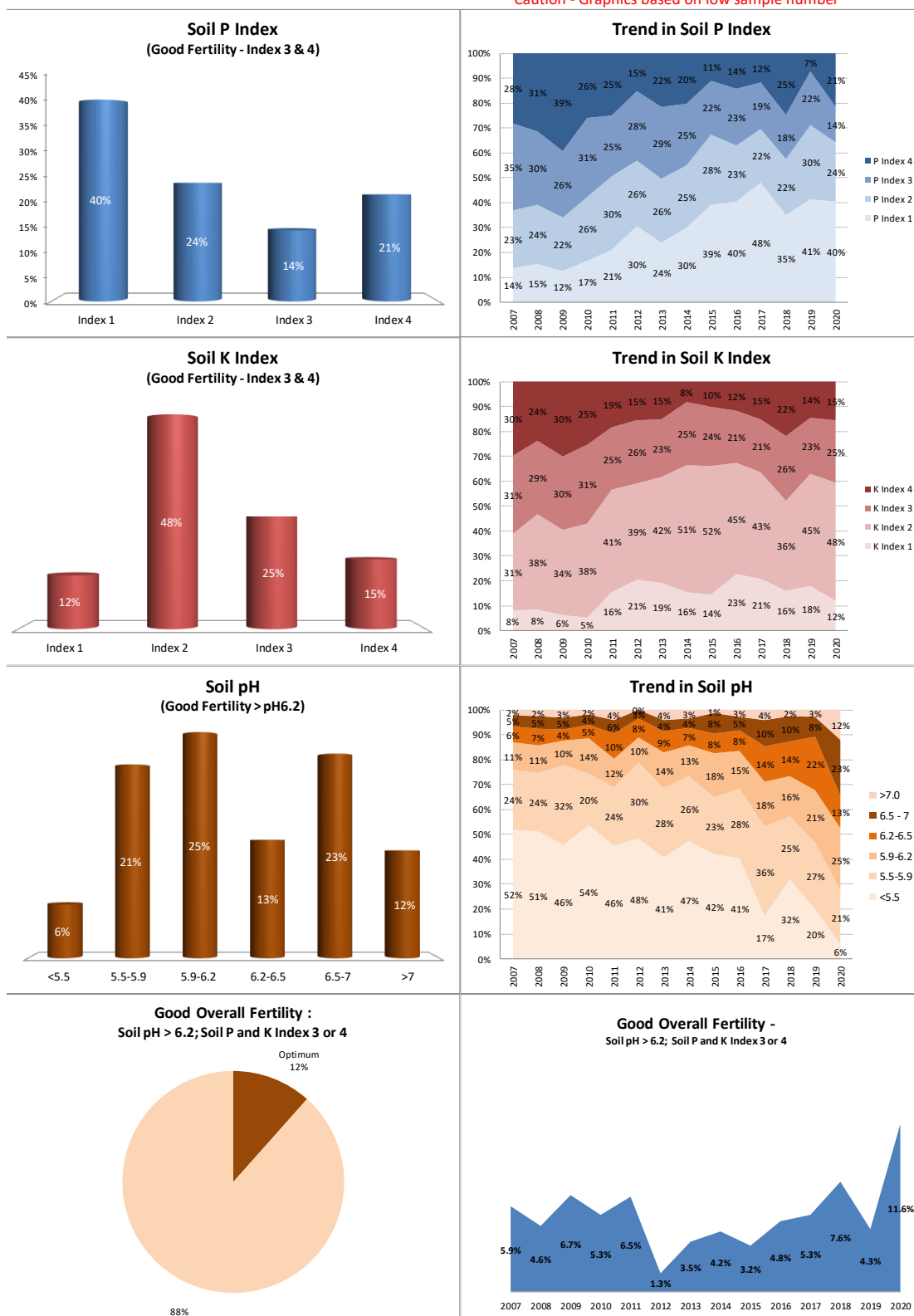




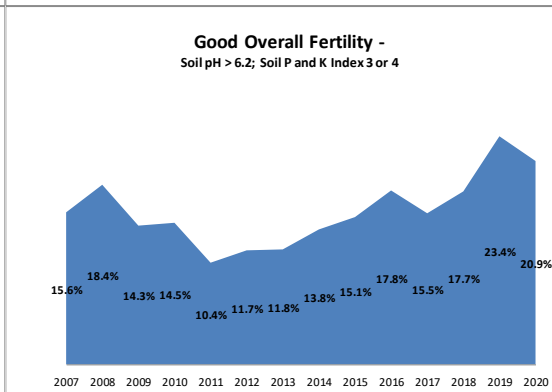
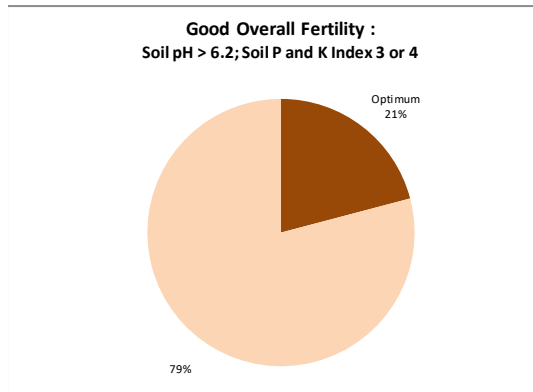
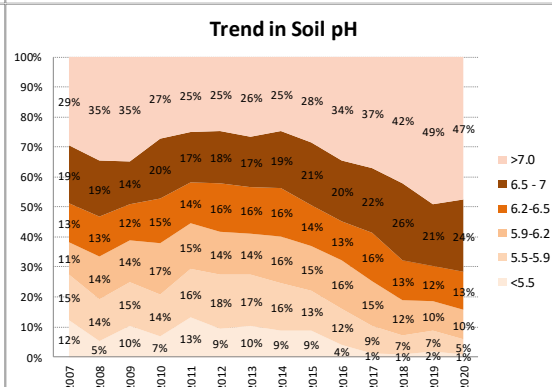
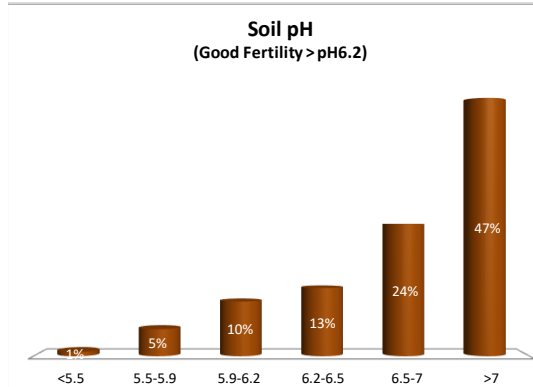
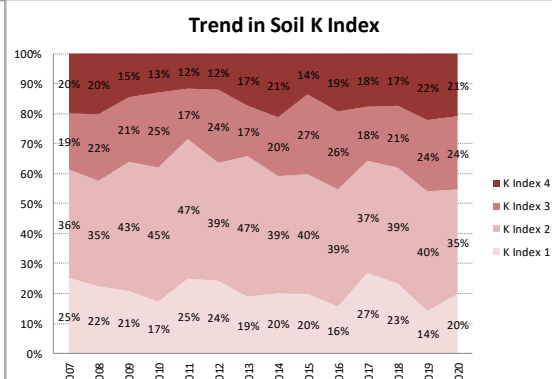
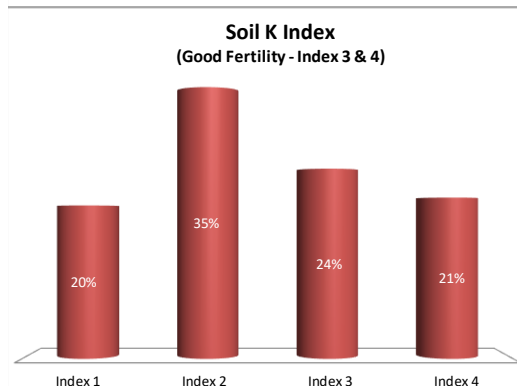
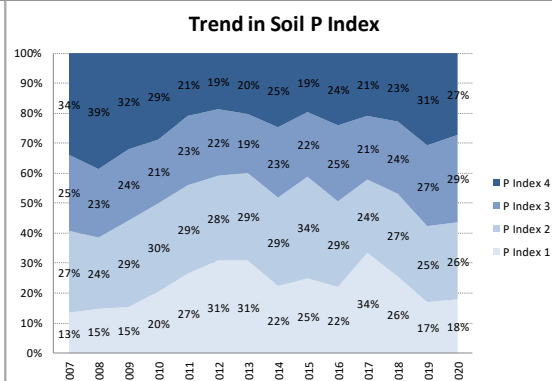
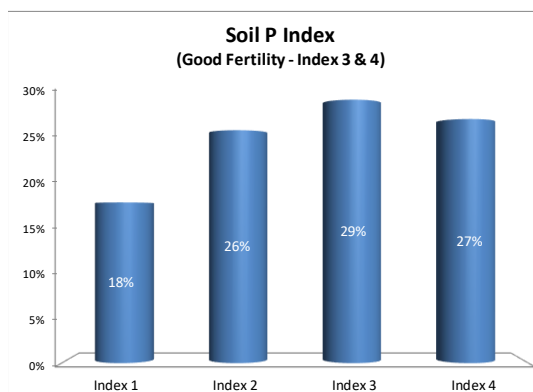
Soil Analysis Status and Trends

County	Kerry
Year	2020
Enterprise	Drystock
Number of Samples	84

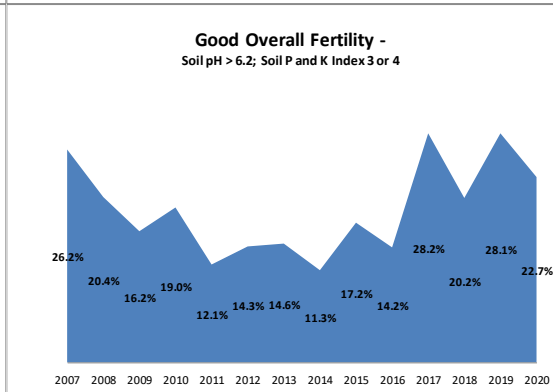
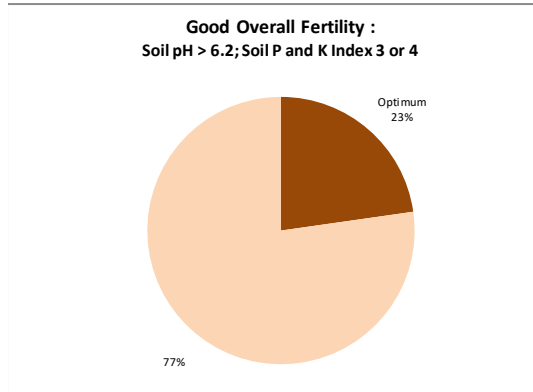
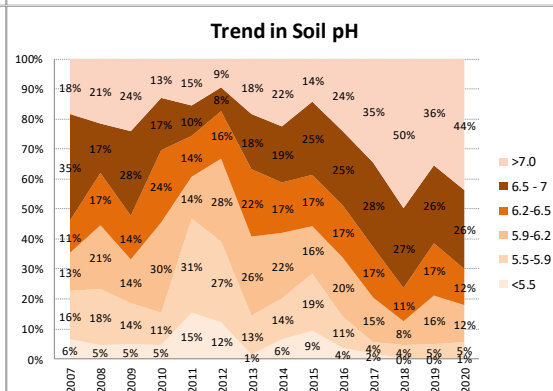
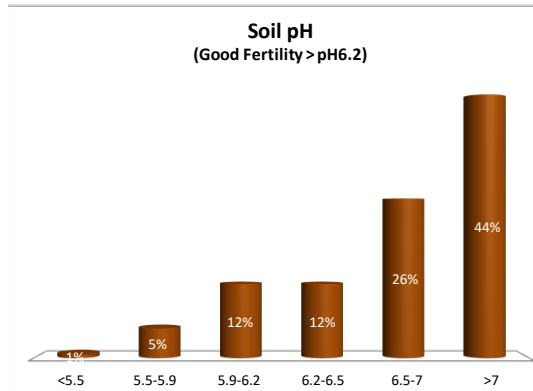
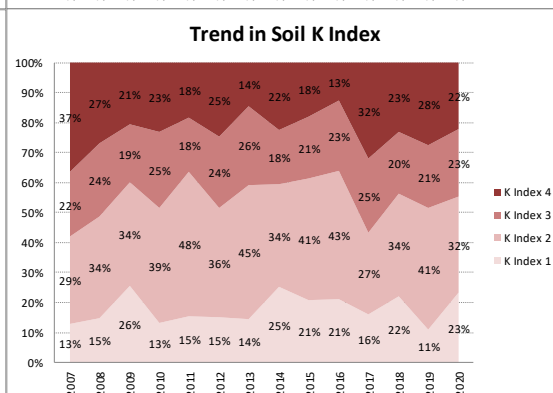
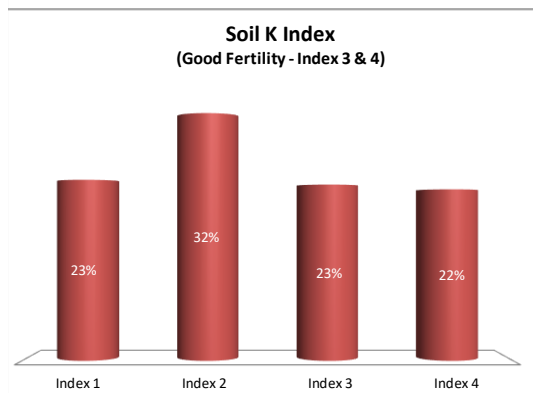
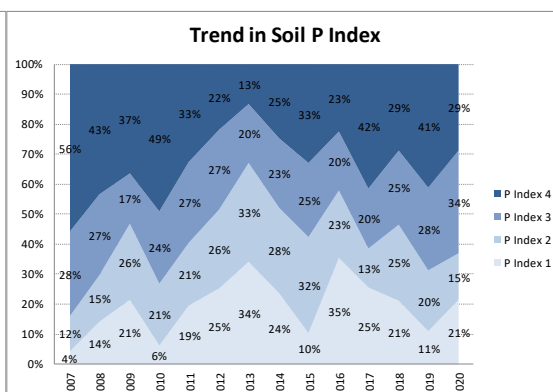
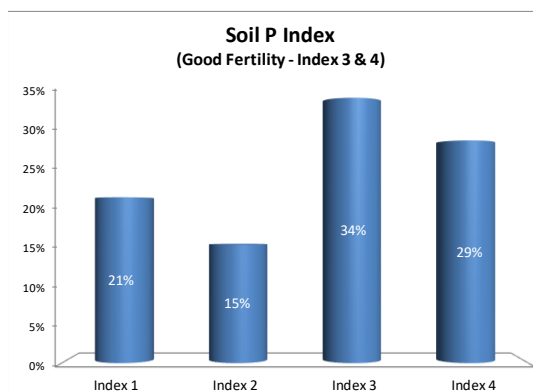
Caution - Graphics based on low sample number



County	Kildare
Year	2020
Enterprise	All Farms
Number of Samples	886

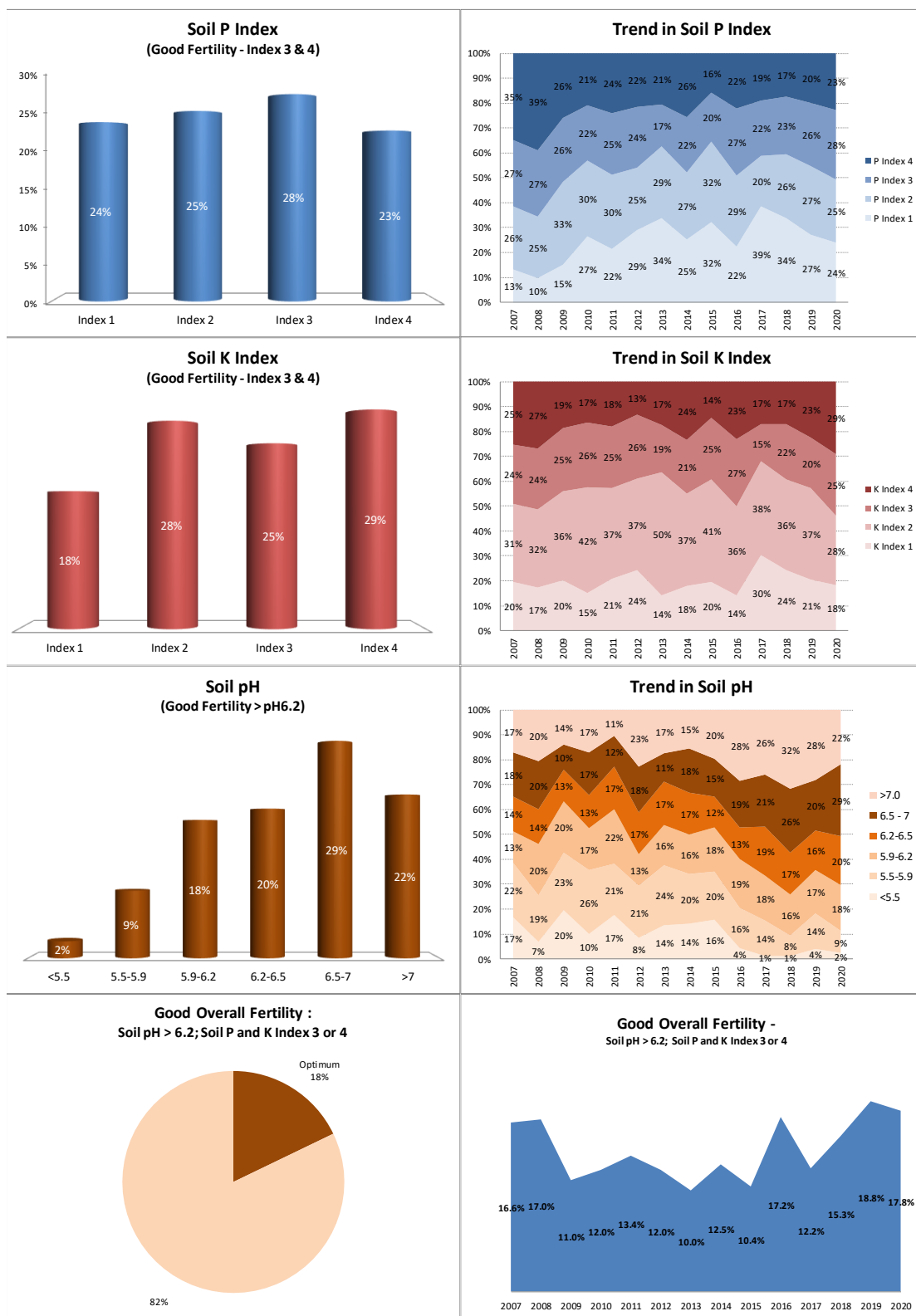


County	Kildare
Year	2020
Enterprise	Dairy
Number of Samples	163

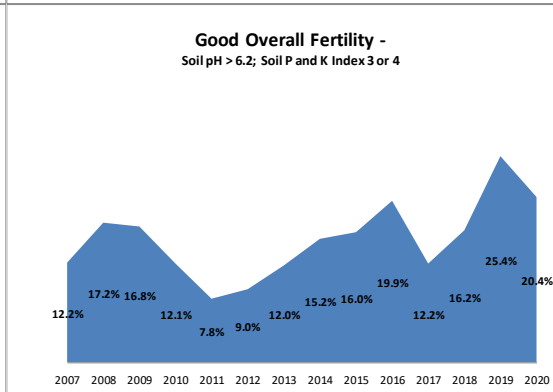
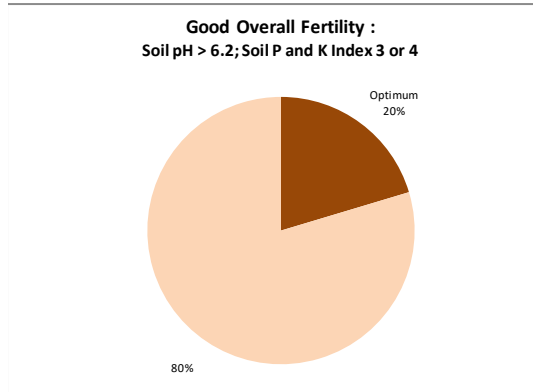
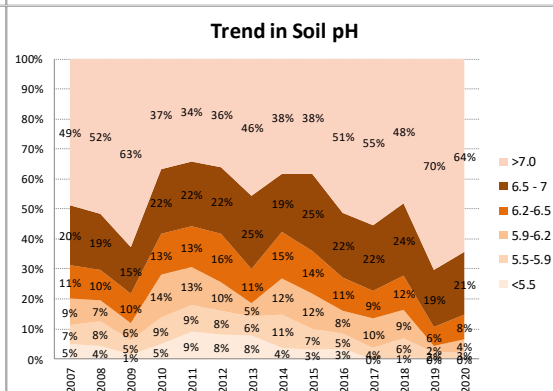
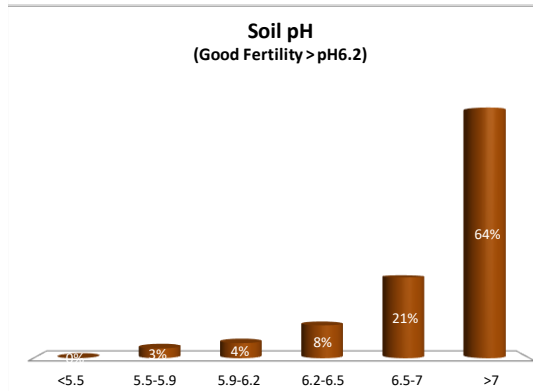
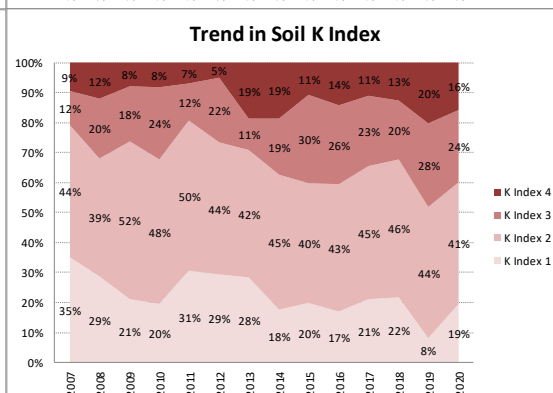
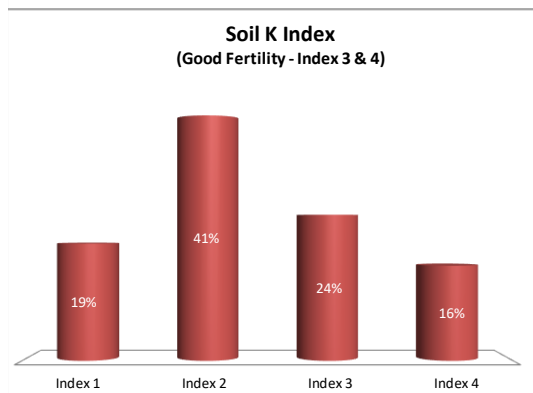
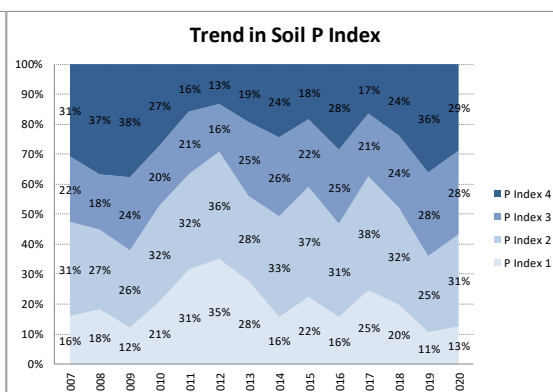
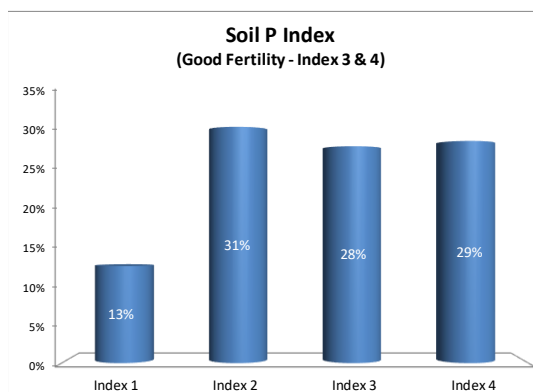


Soil Analysis Status and Trends

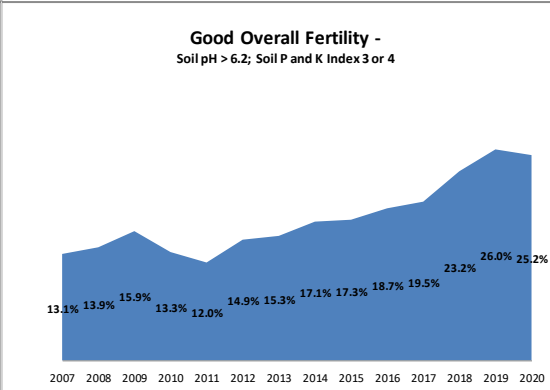
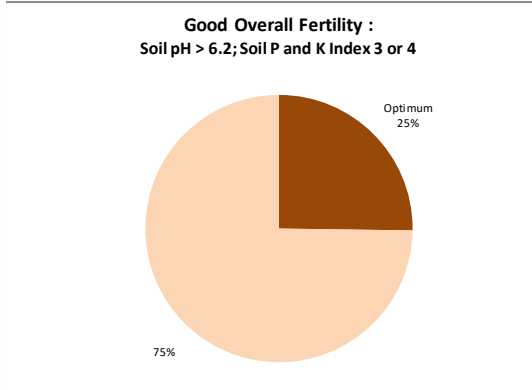
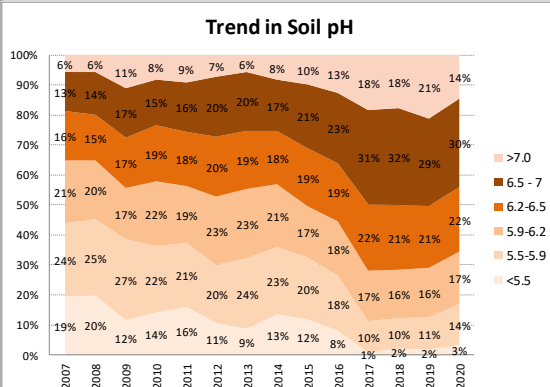
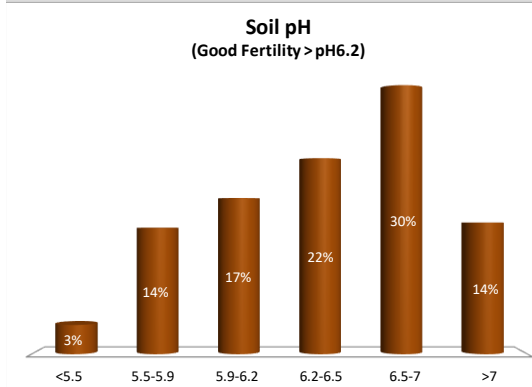
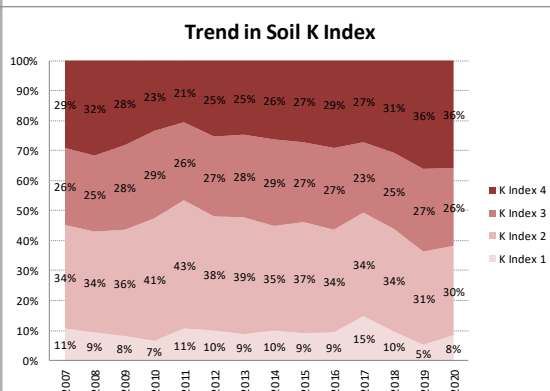
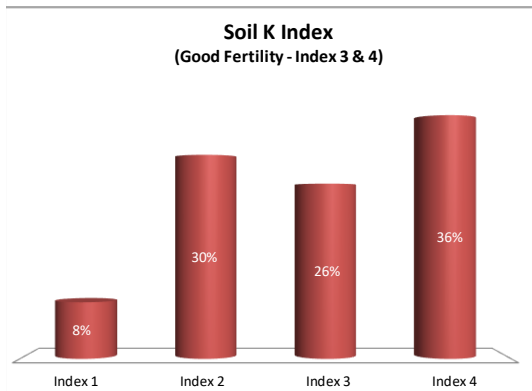
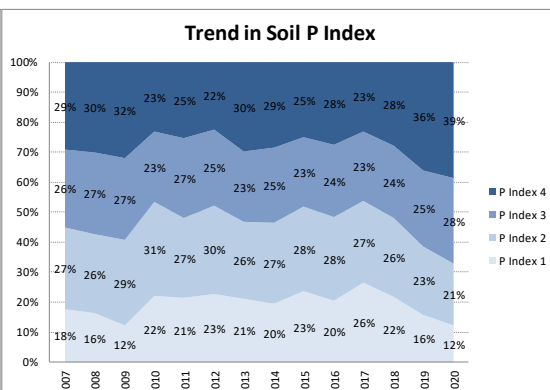
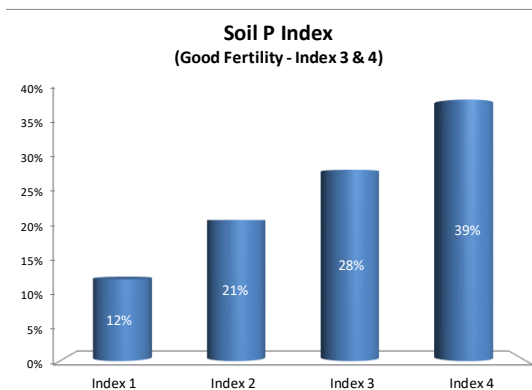
County	Kildare
Year	2020
Enterprise	Drystock
Number of Samples	267



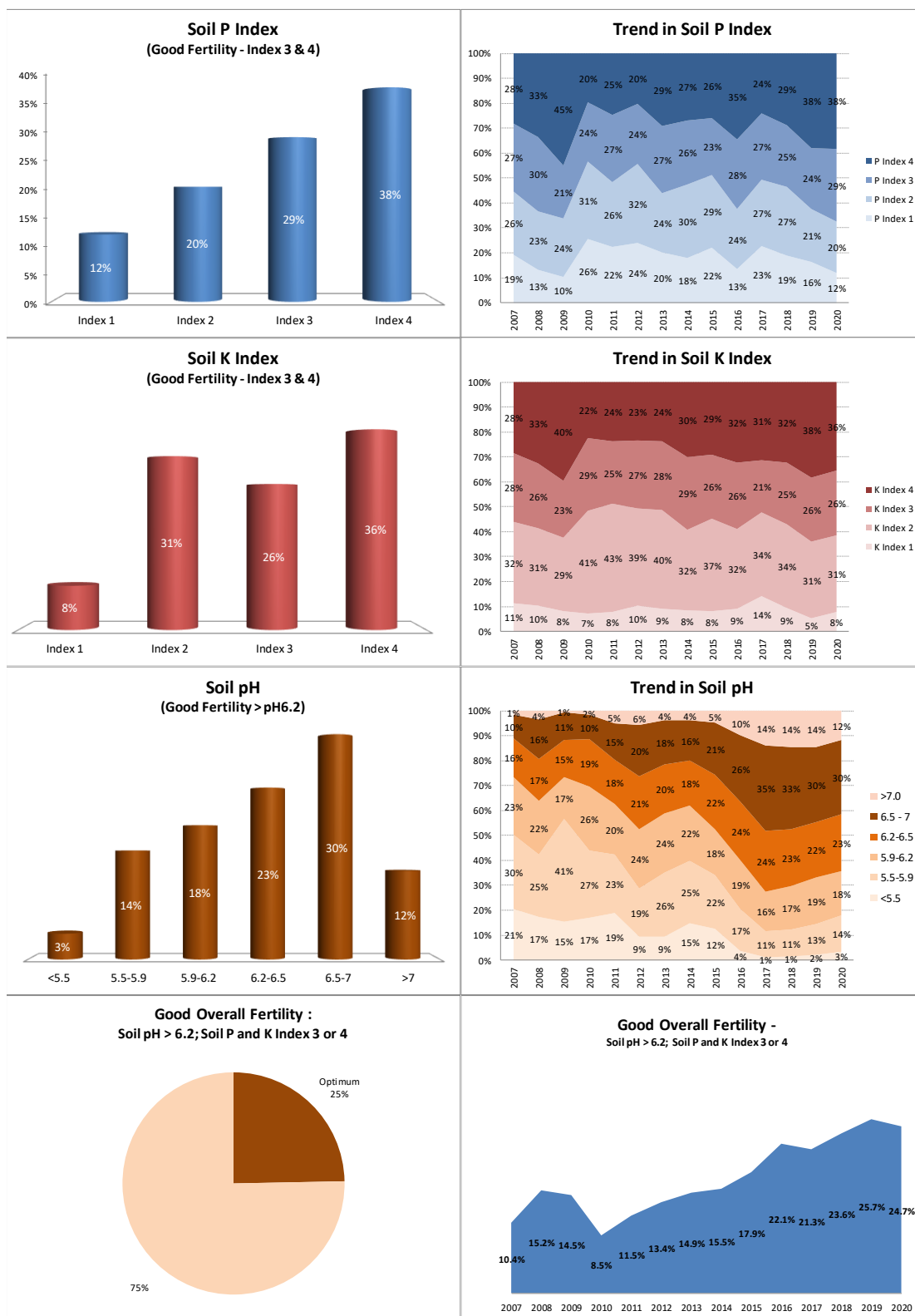
Kildare
2020
Tillage
438



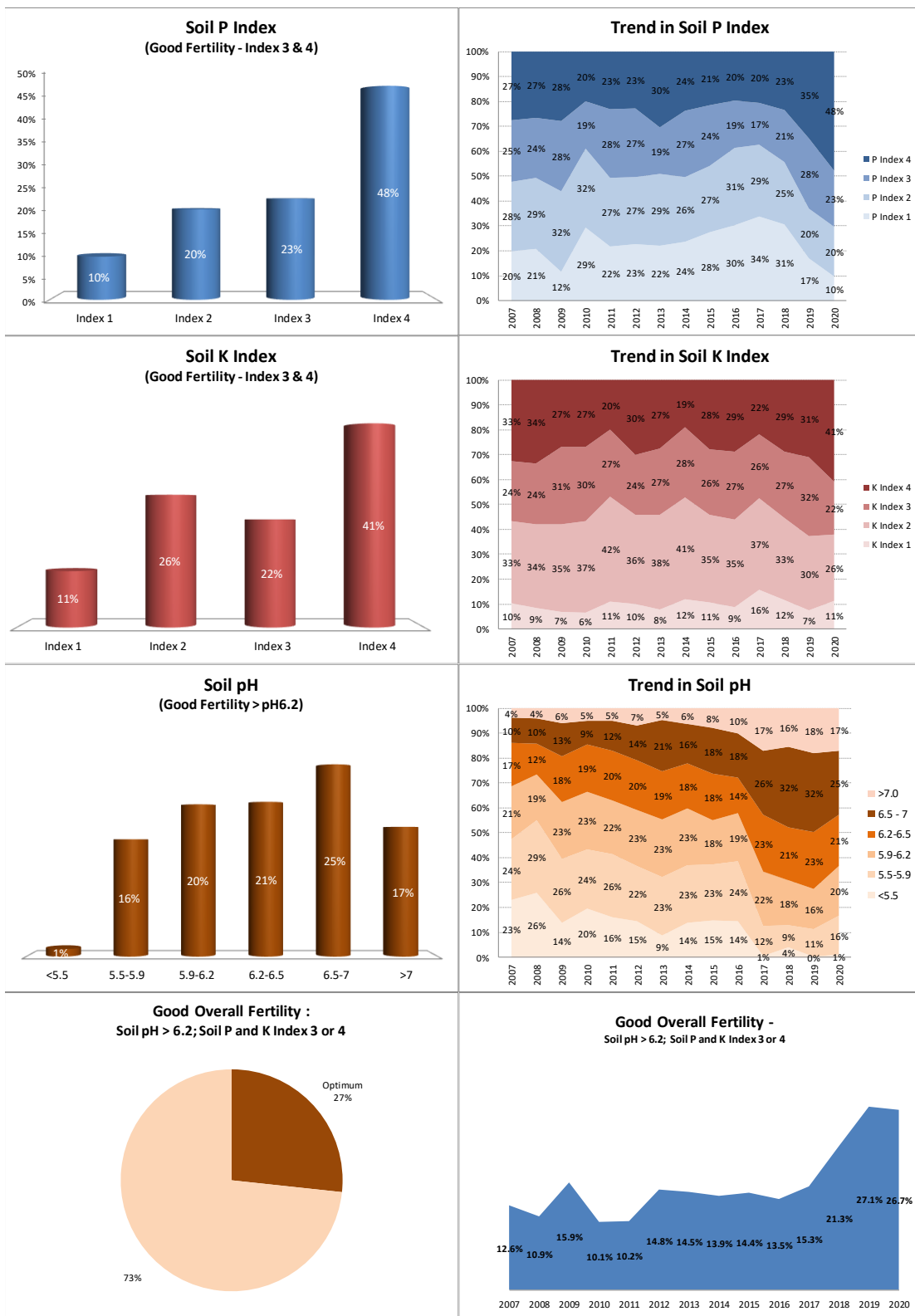
Kilkenny
2020
All Farms
2,571



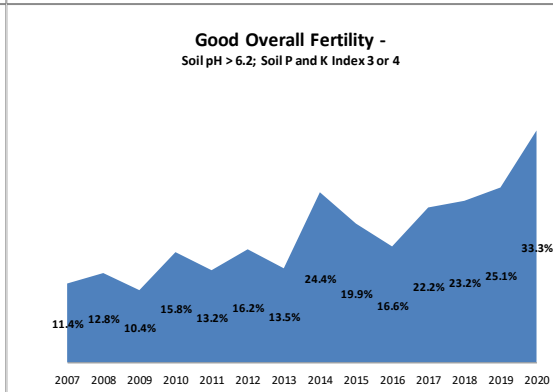
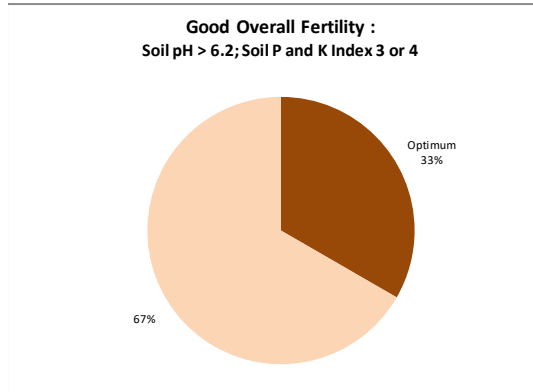
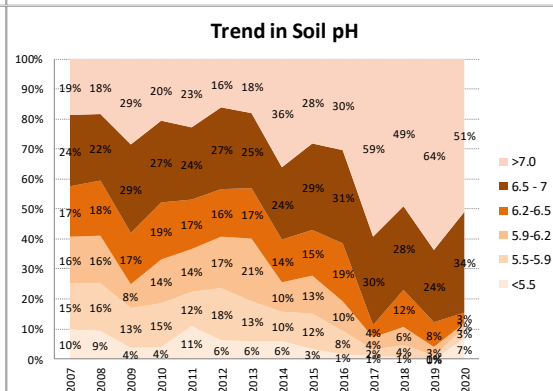
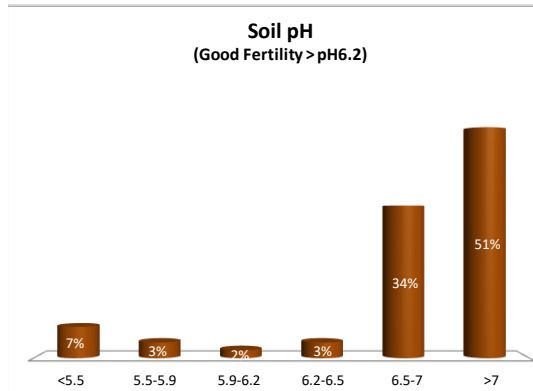
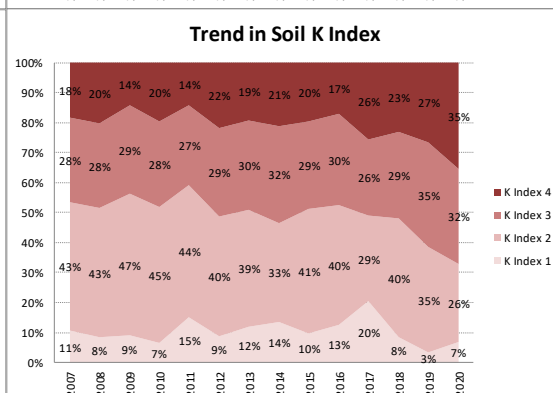
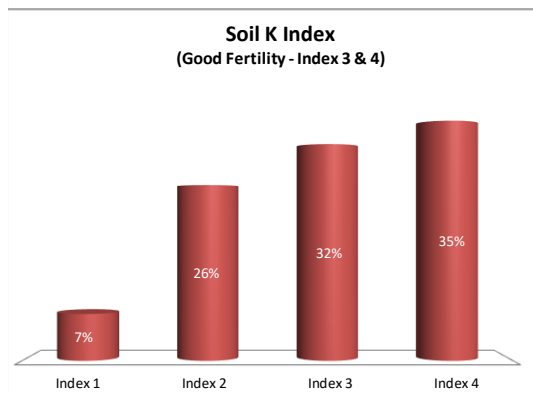
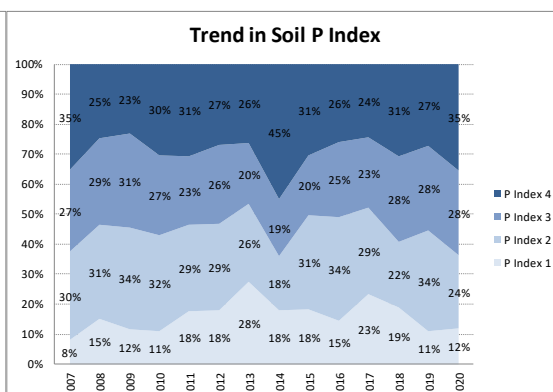
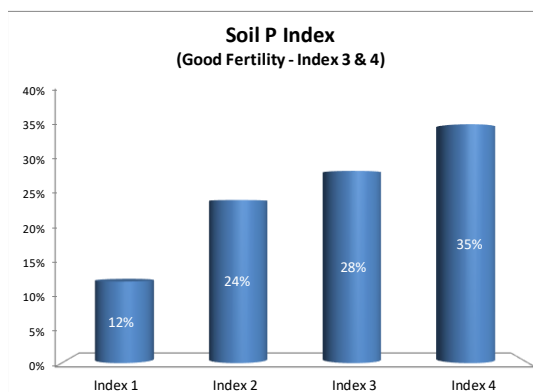
Kilkenny
2020
Dairy
2,108



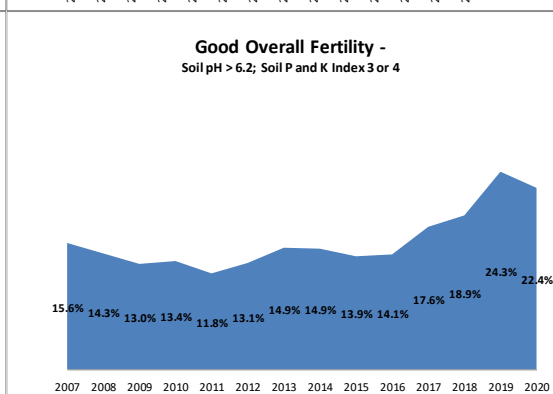
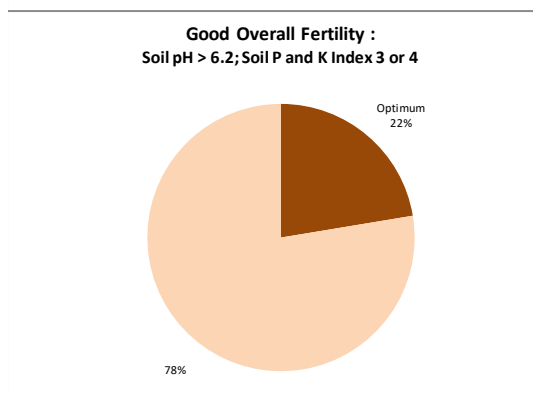
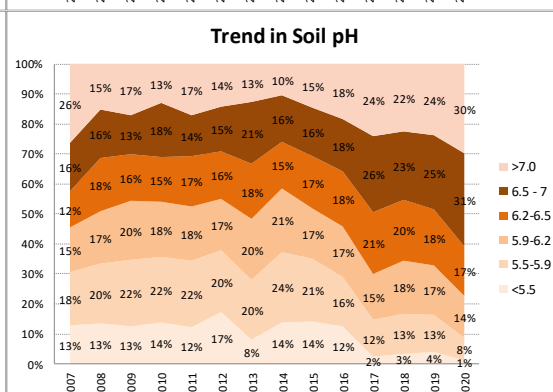
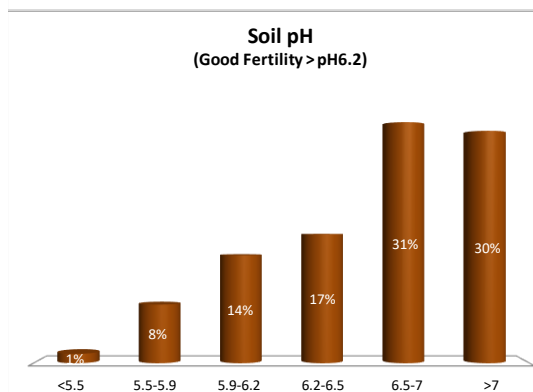
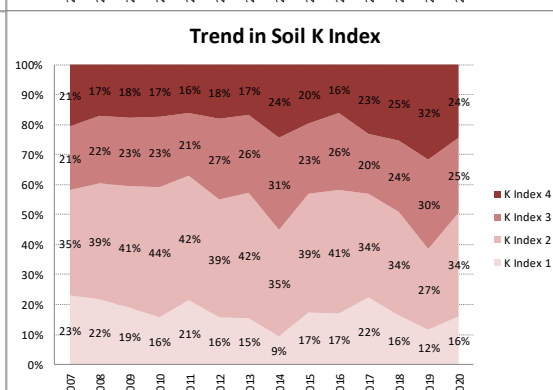
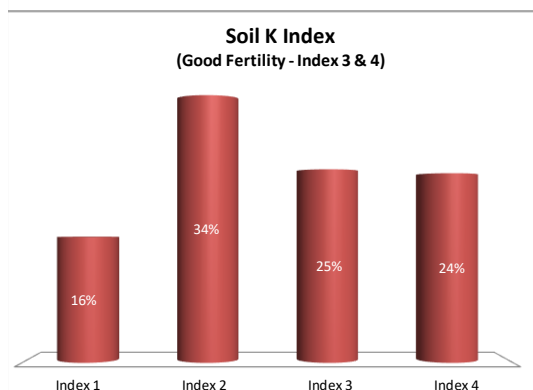
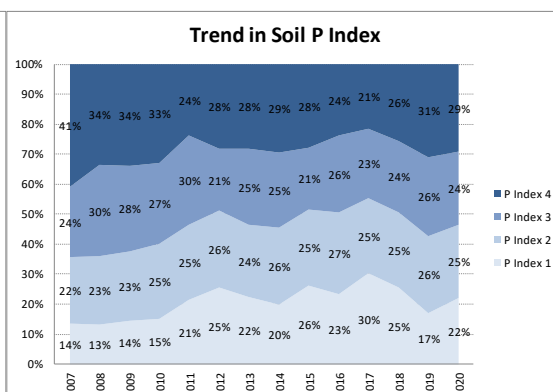
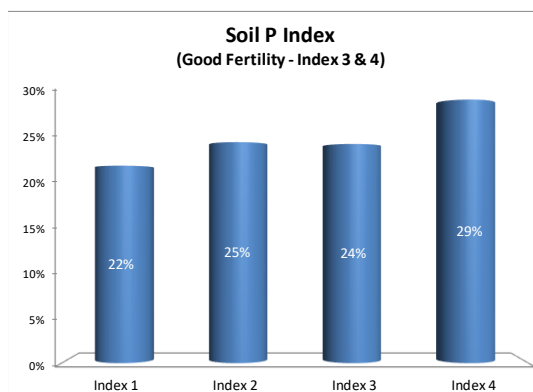
Kilkenny
2020
Drystock
302

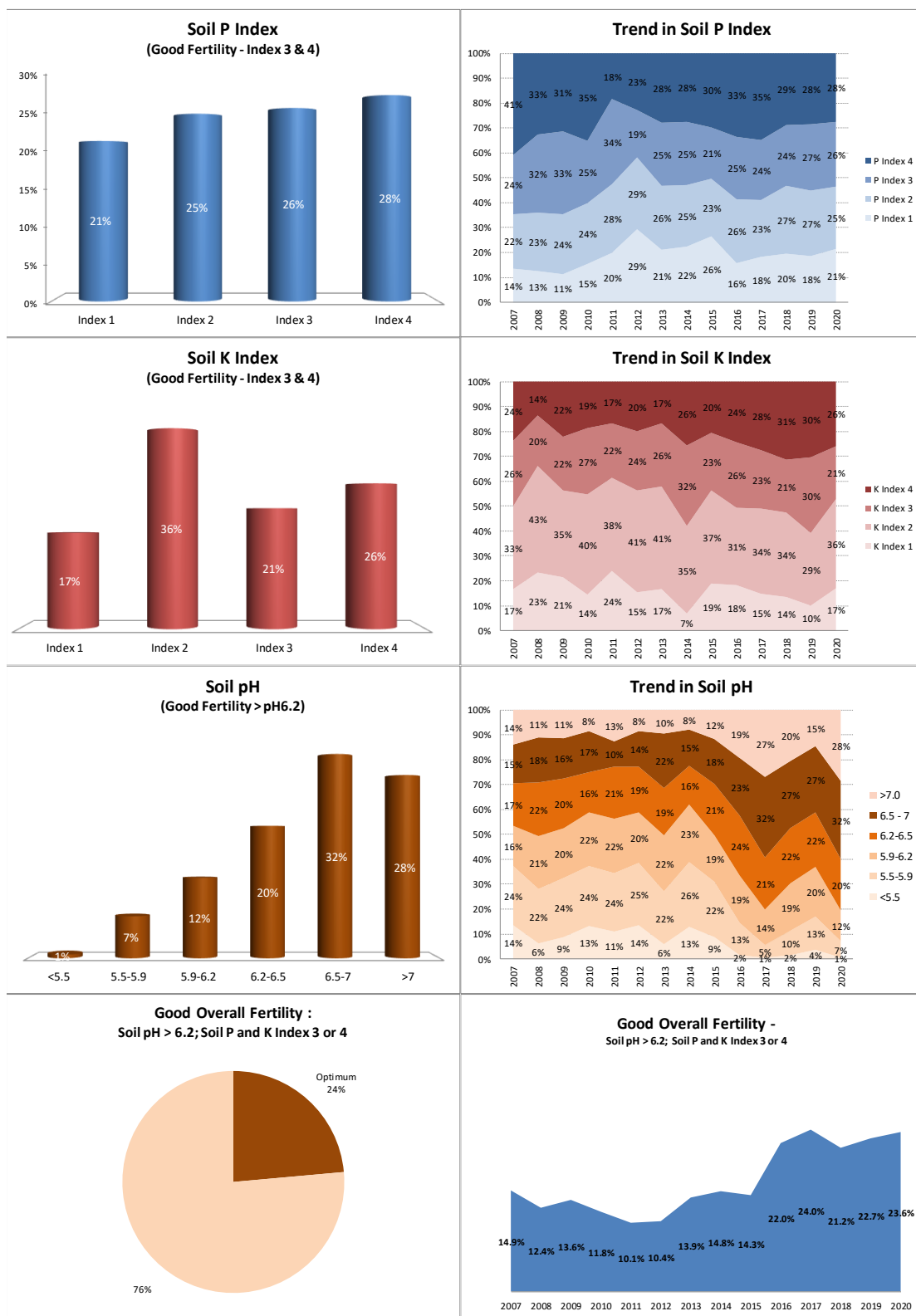


Kilkenny
2020
Tillage
116

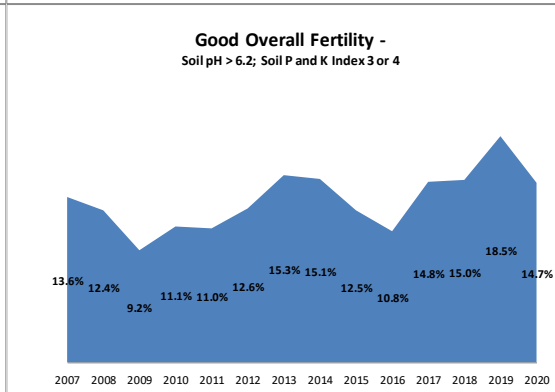
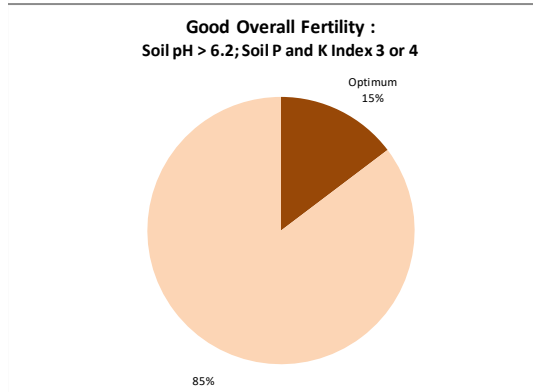
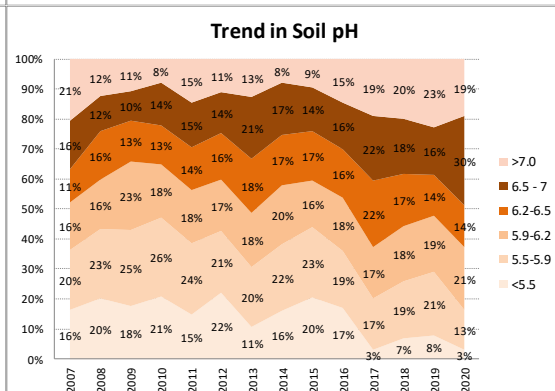
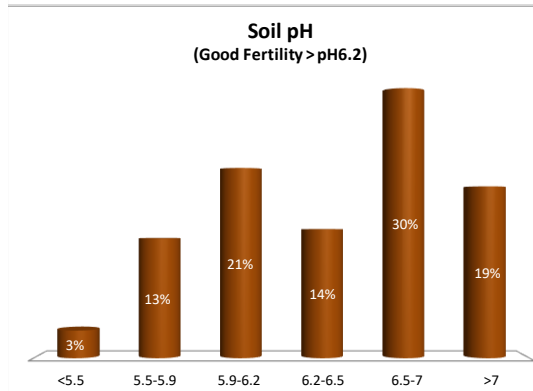
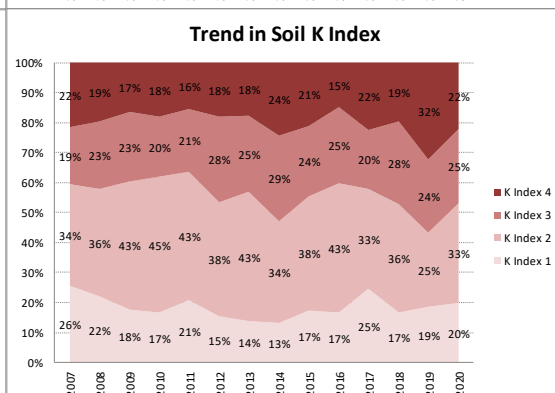
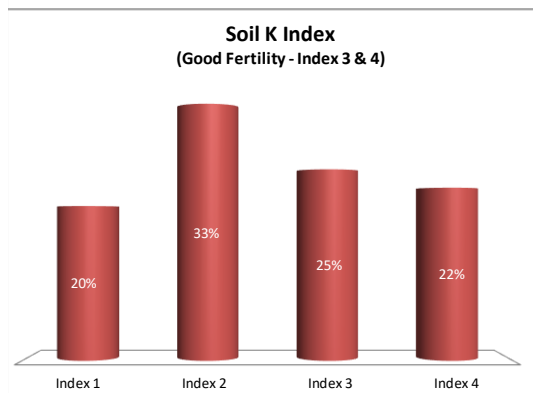
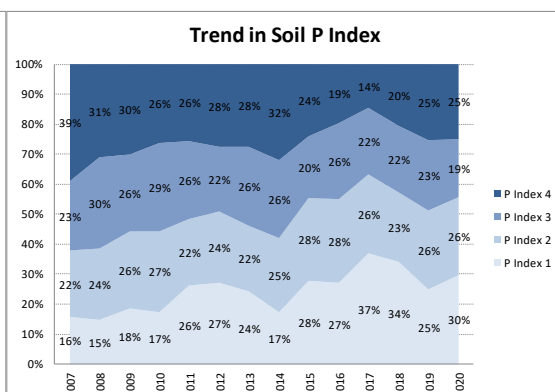
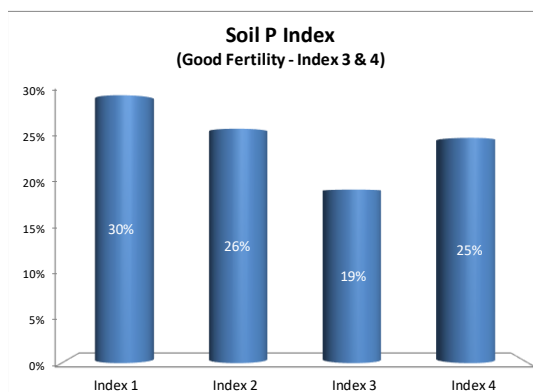


County	Laois
Year	2020
Enterprise	All Farms
Number of Samples	995

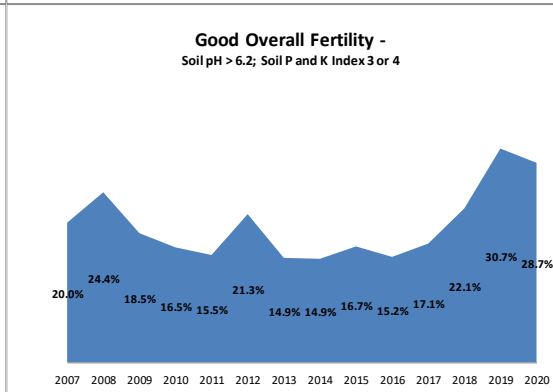
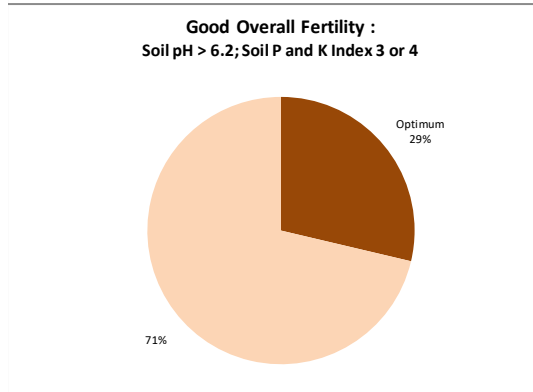
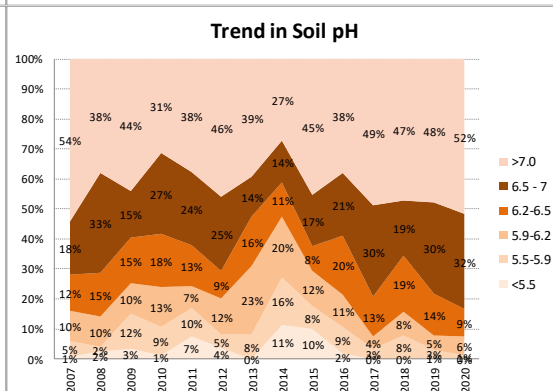
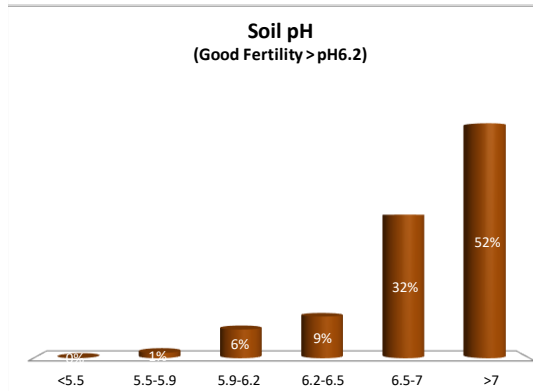
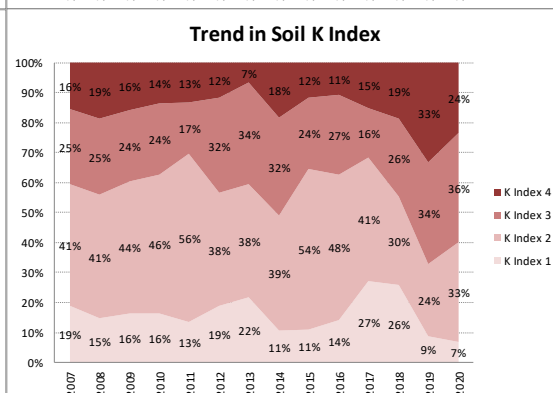
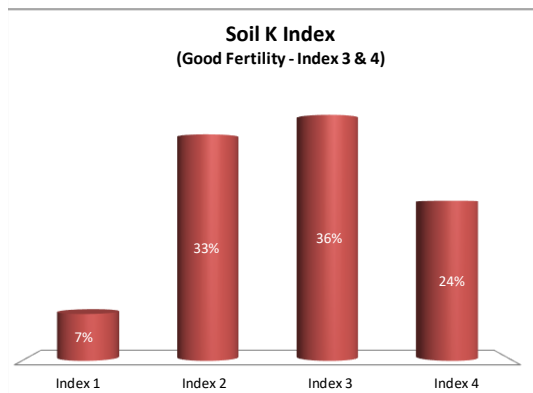
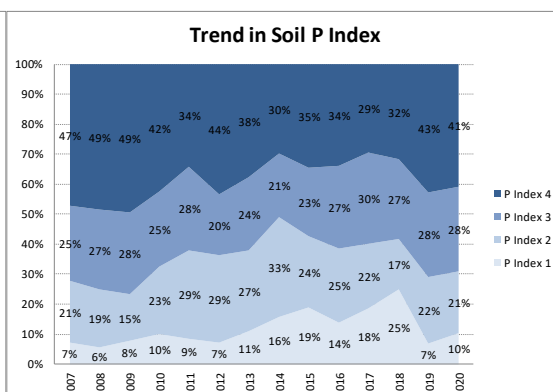
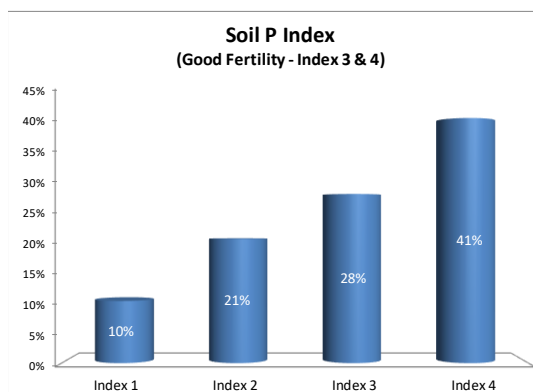




County	Laois
Year	2020
Enterprise	Drystock
Number of Samples	296



County	Laois
Year	2020
Enterprise	Tillage
Number of Samples	174

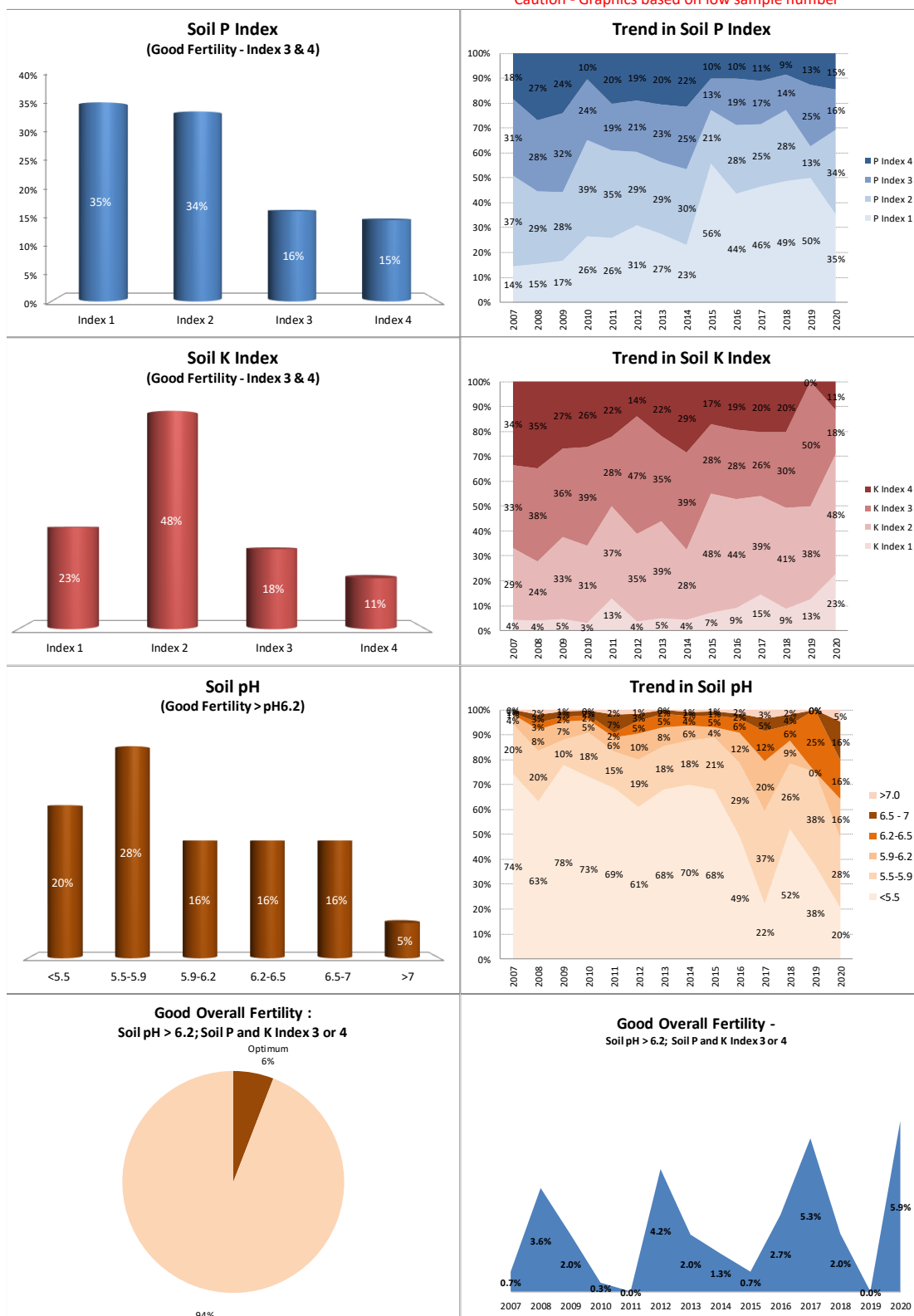


Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

County	Leitrim
Year	2020
Enterprise	All Farms
Number of Samples	62

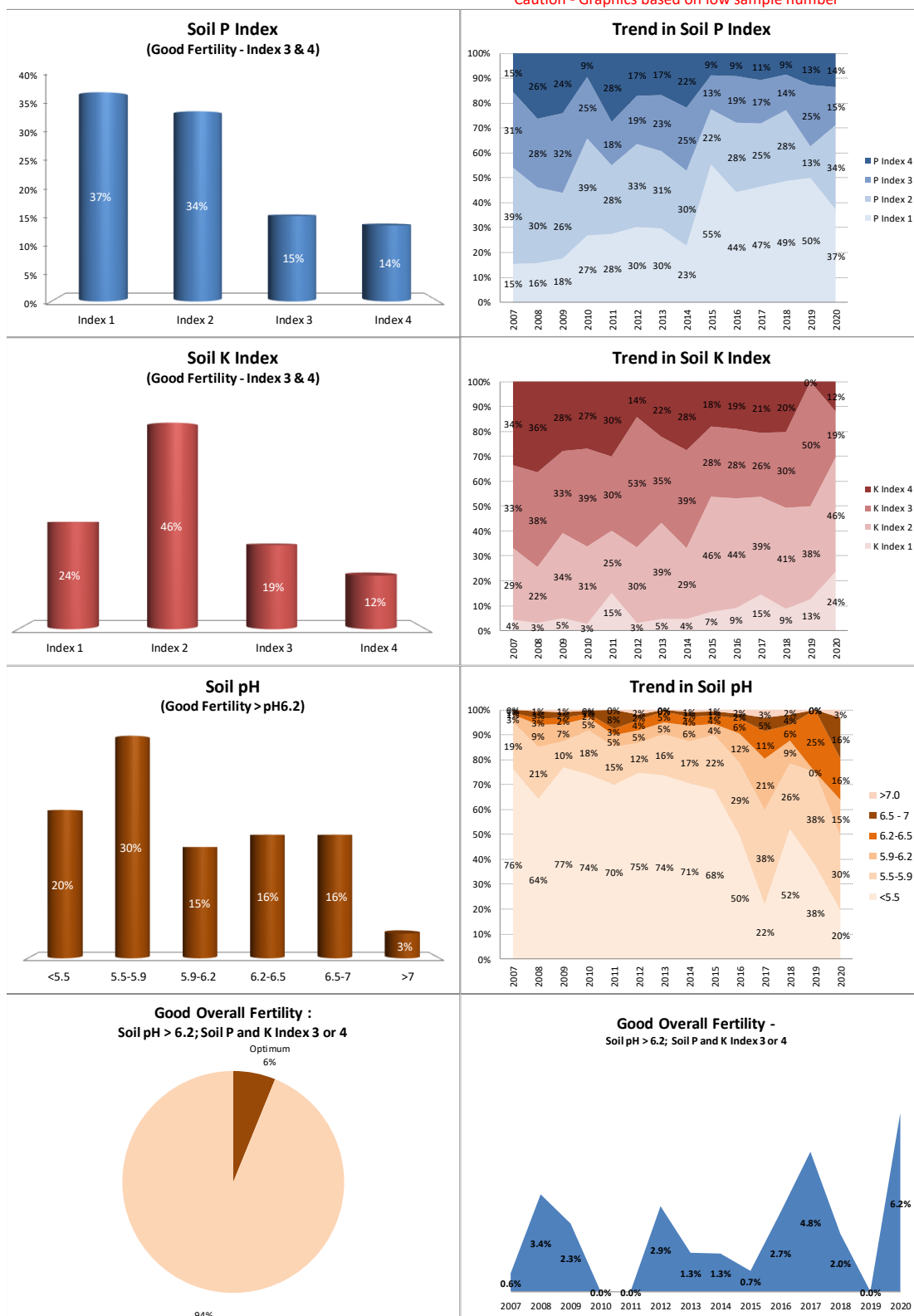
Caution - Graphics based on low sample number



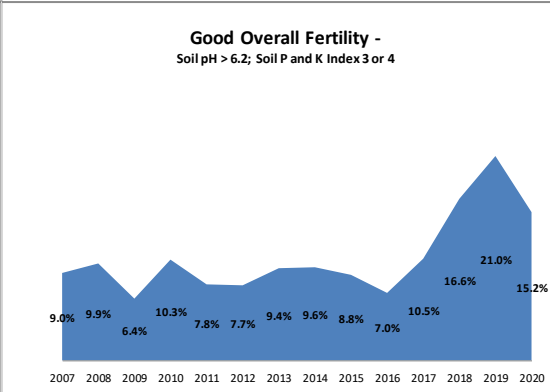
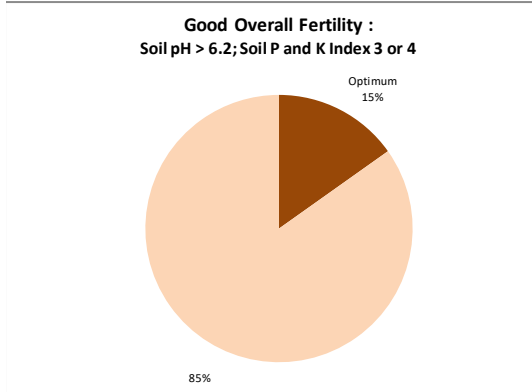
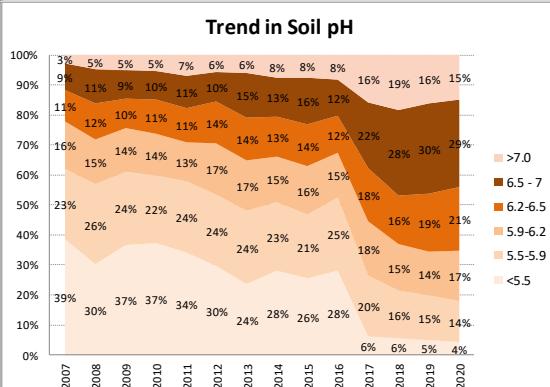
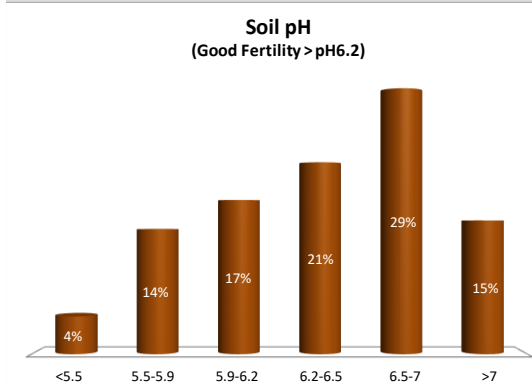
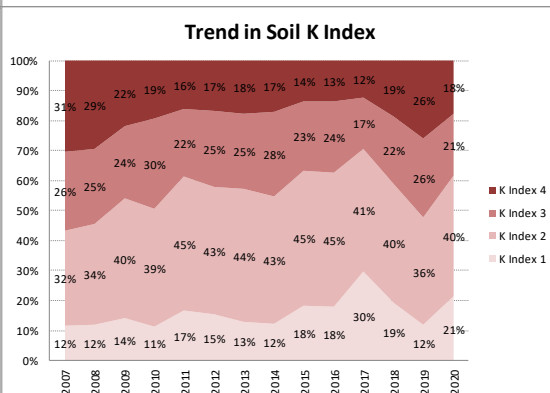
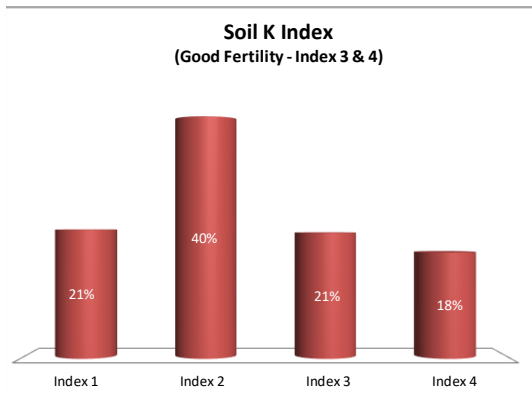
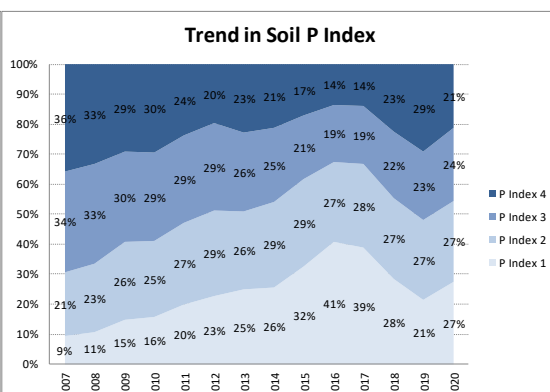
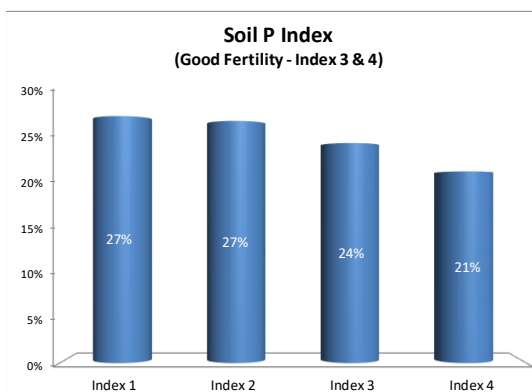
Soil Analysis Status and Trends

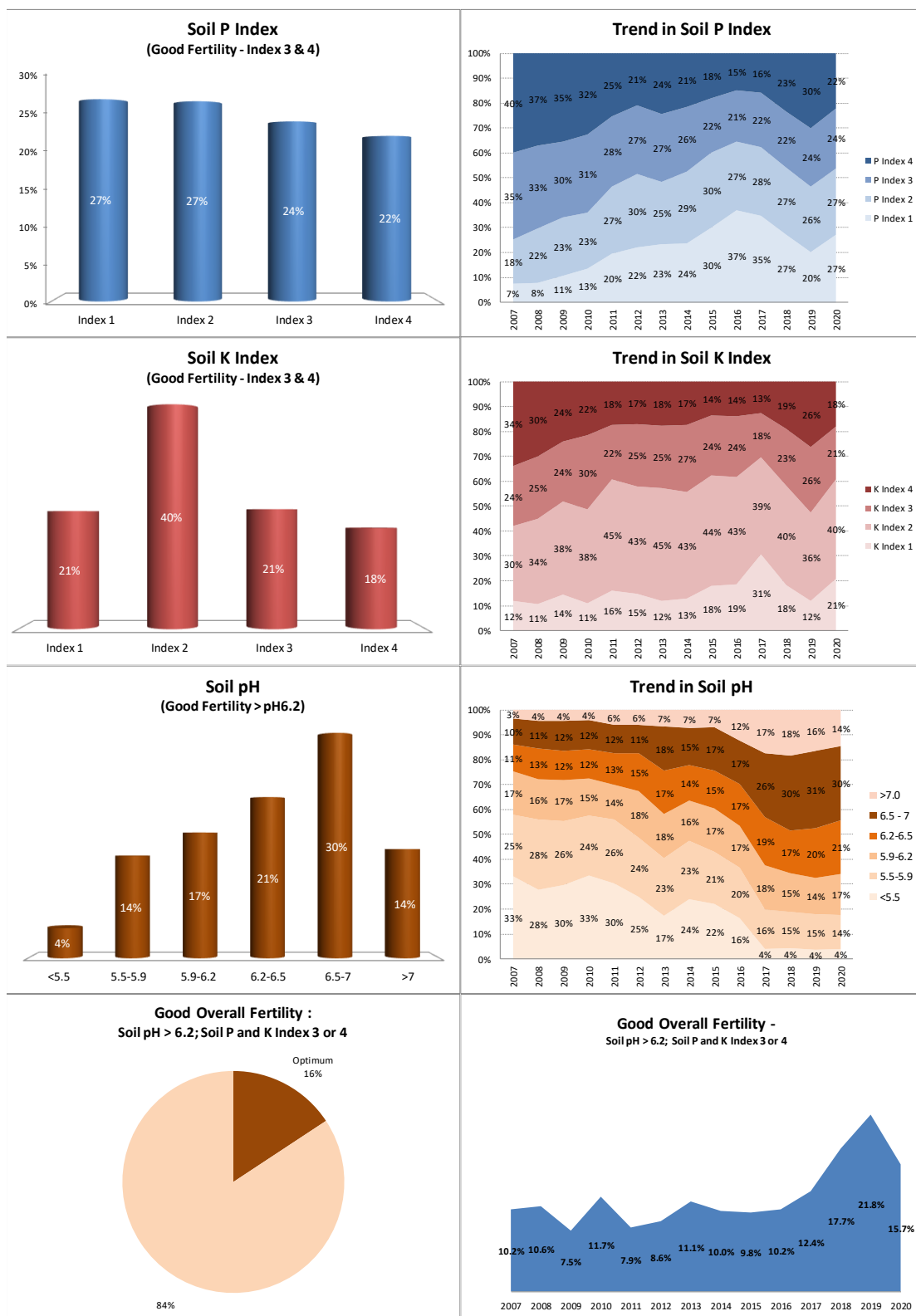
County	Leitrim
Year	2020
Enterprise	Drystock
Number of Samples	59

Caution - Graphics based on low sample number

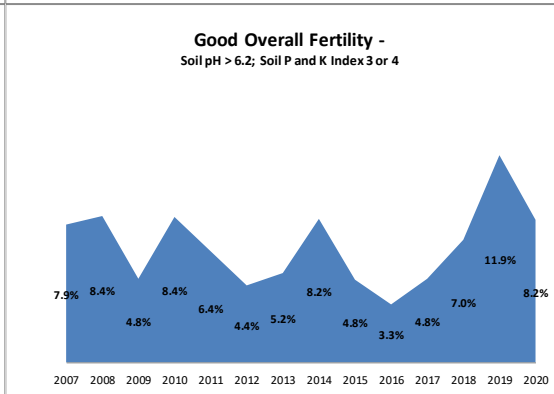
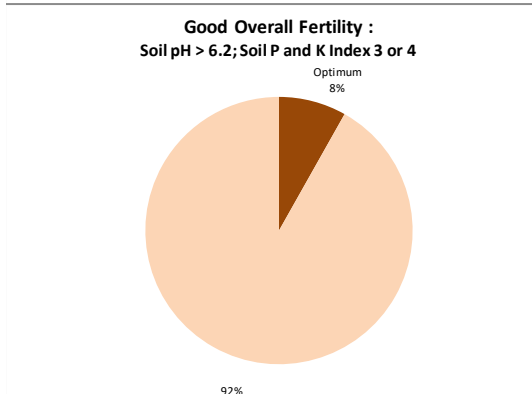
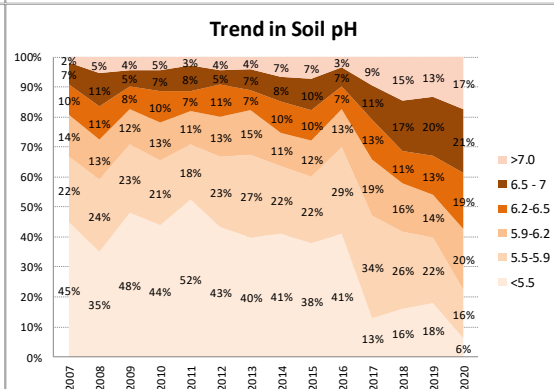
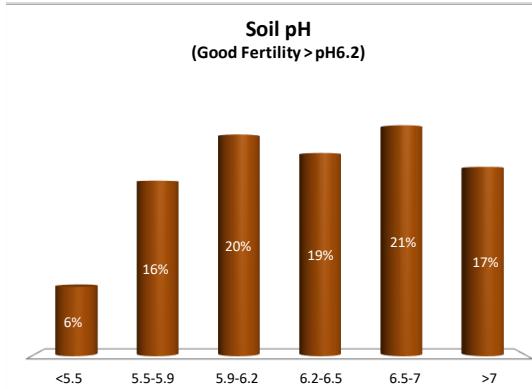
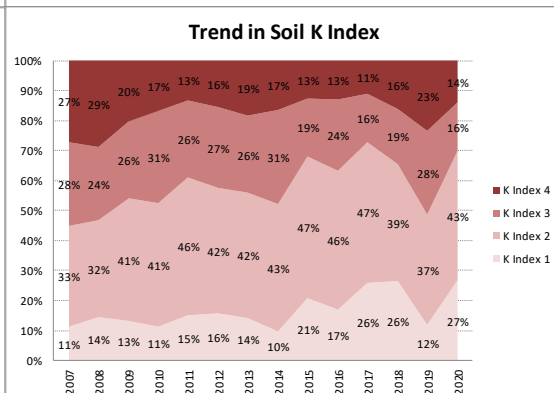
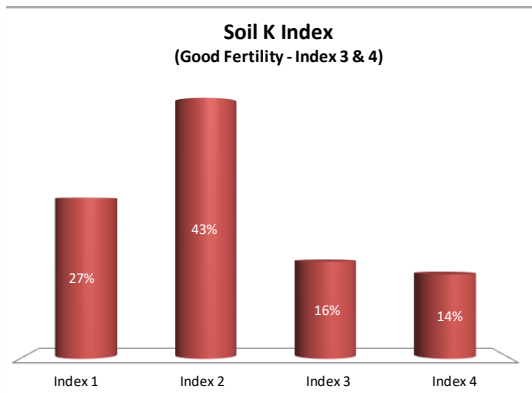
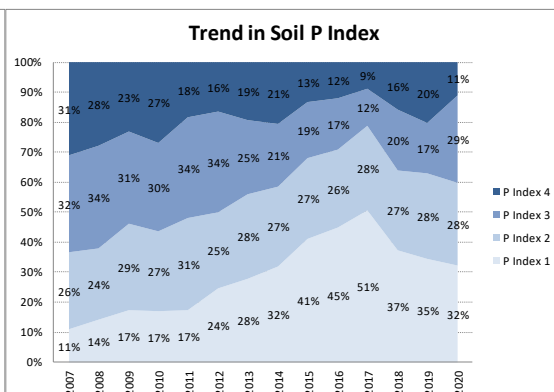
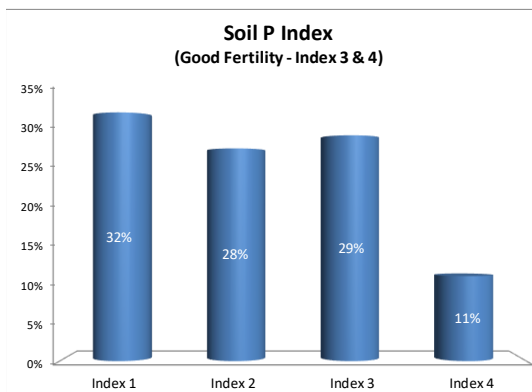


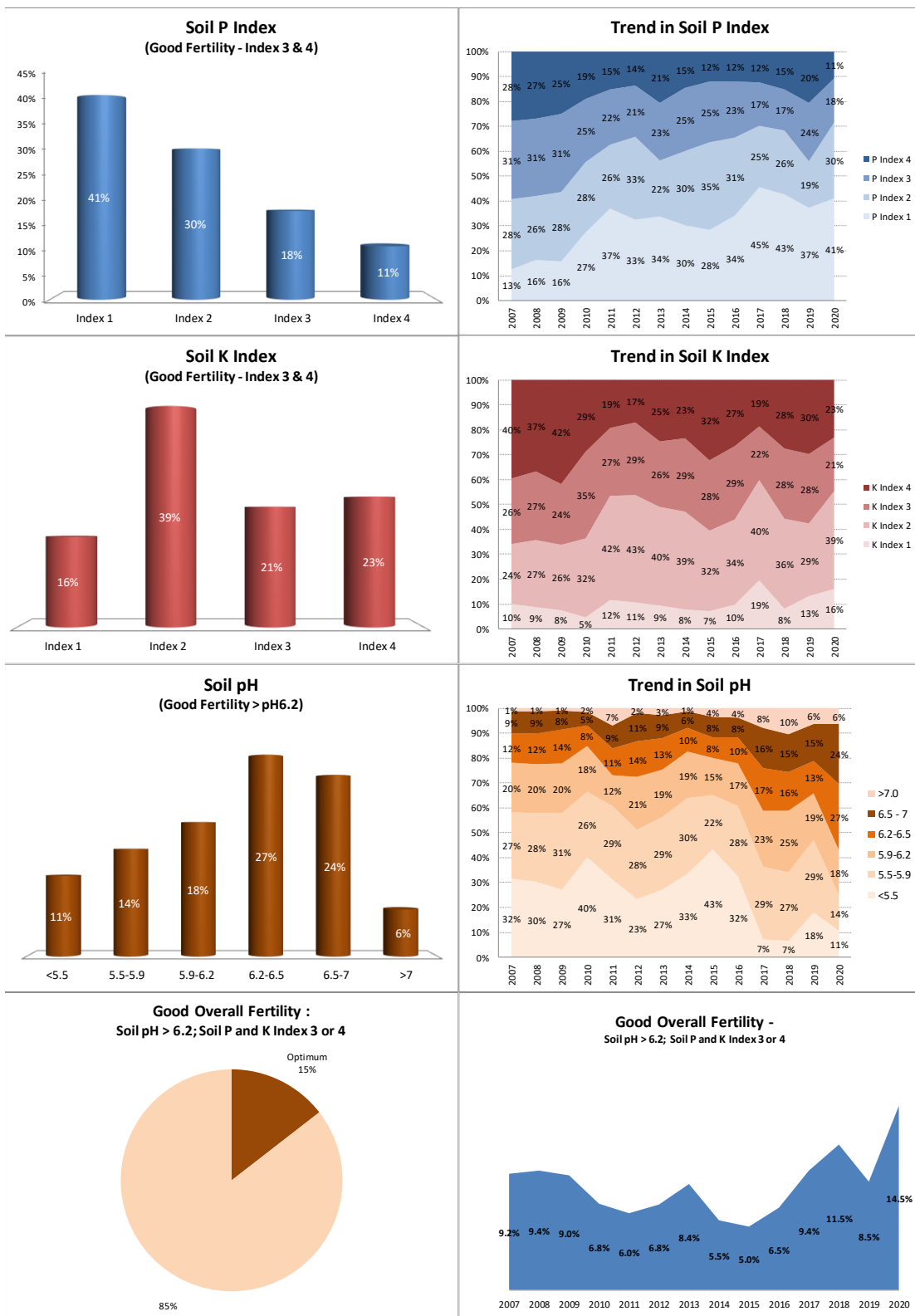
Limerick
2020
All Farms
3,177





Limerick
2020
Drystock
236

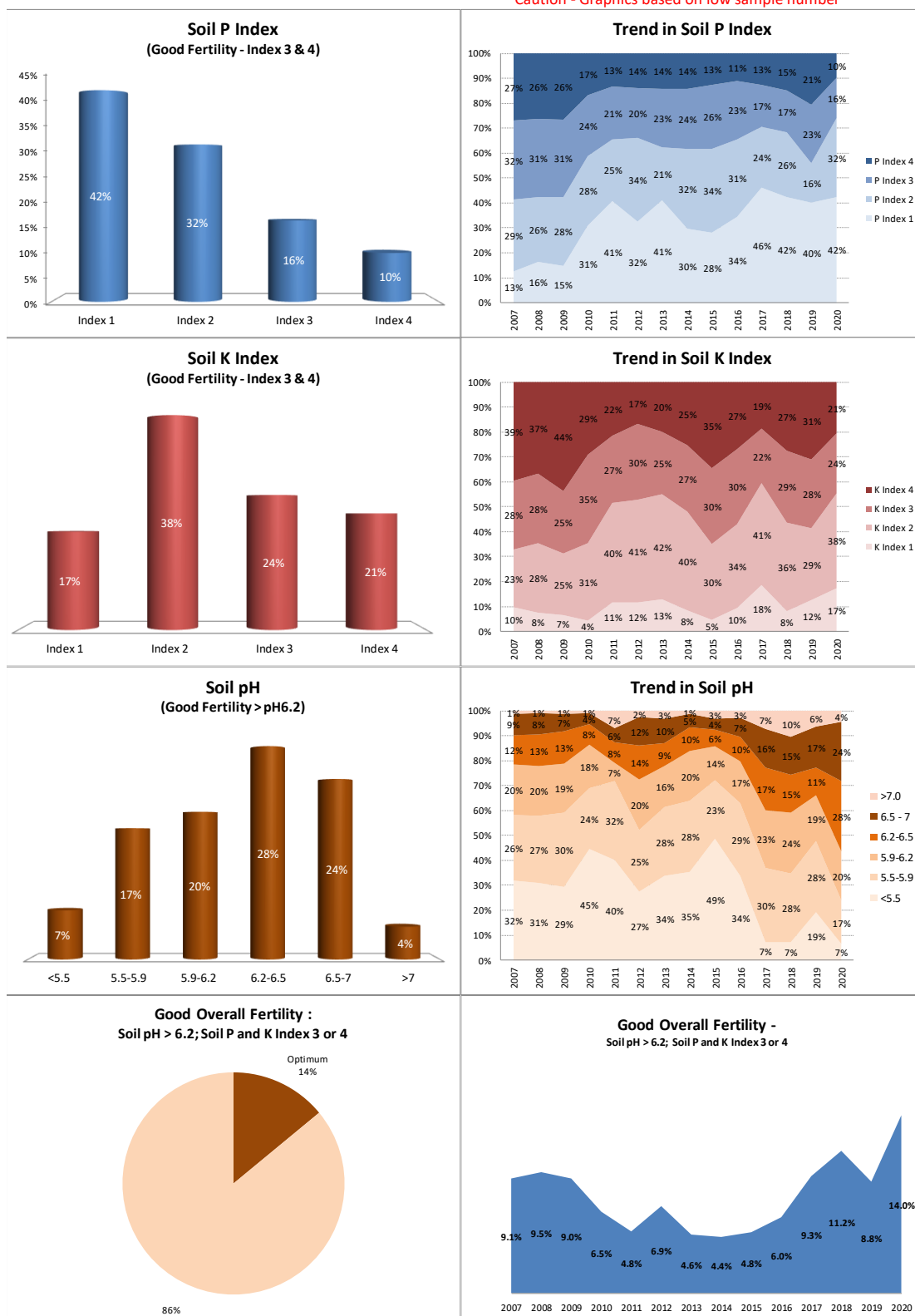




Soil Analysis Status and Trends

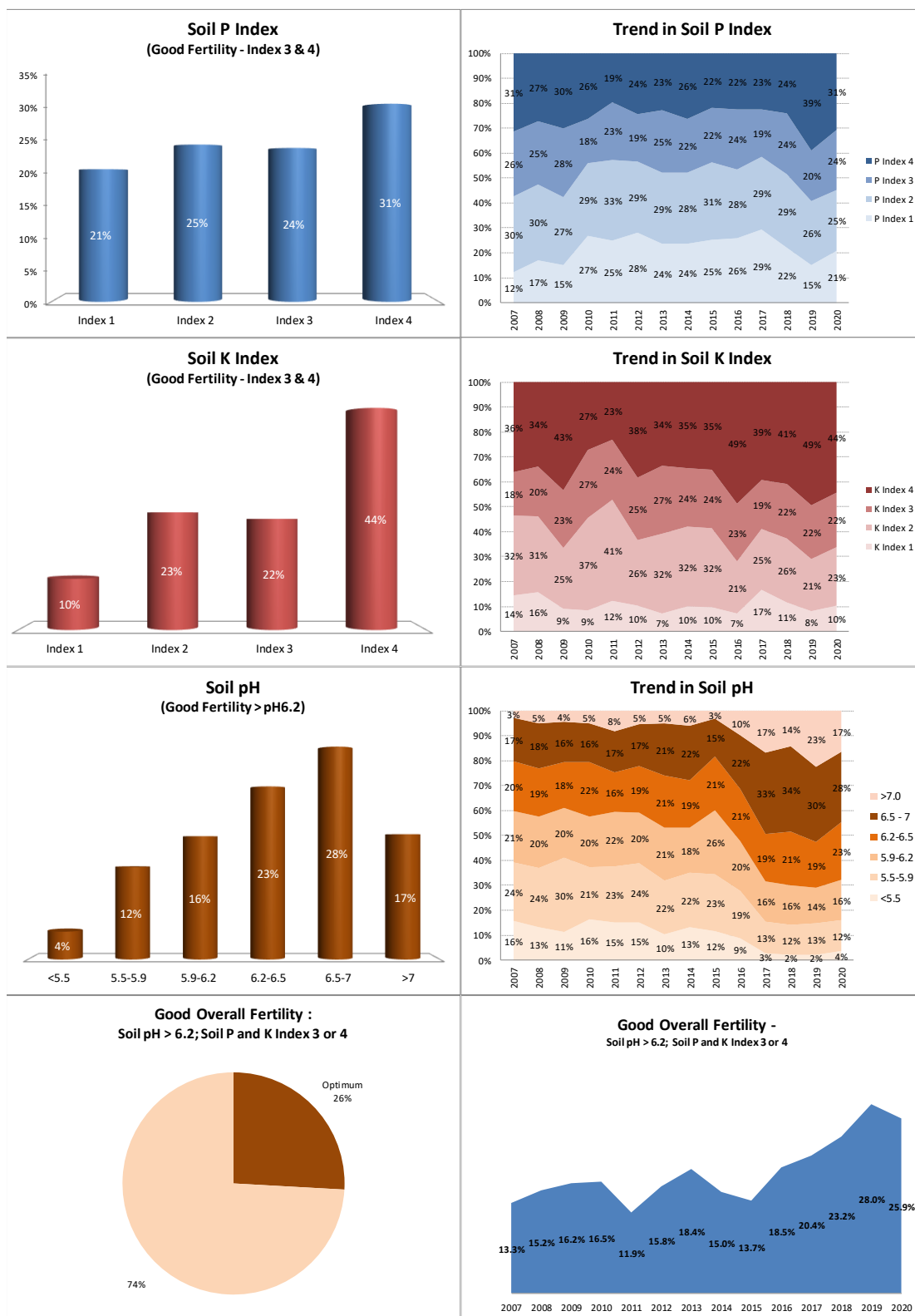
County	Longford
Year	2020
Enterprise	Drystock
Number of Samples	92

Caution - Graphics based on low sample number



Soil Analysis Status and Trends

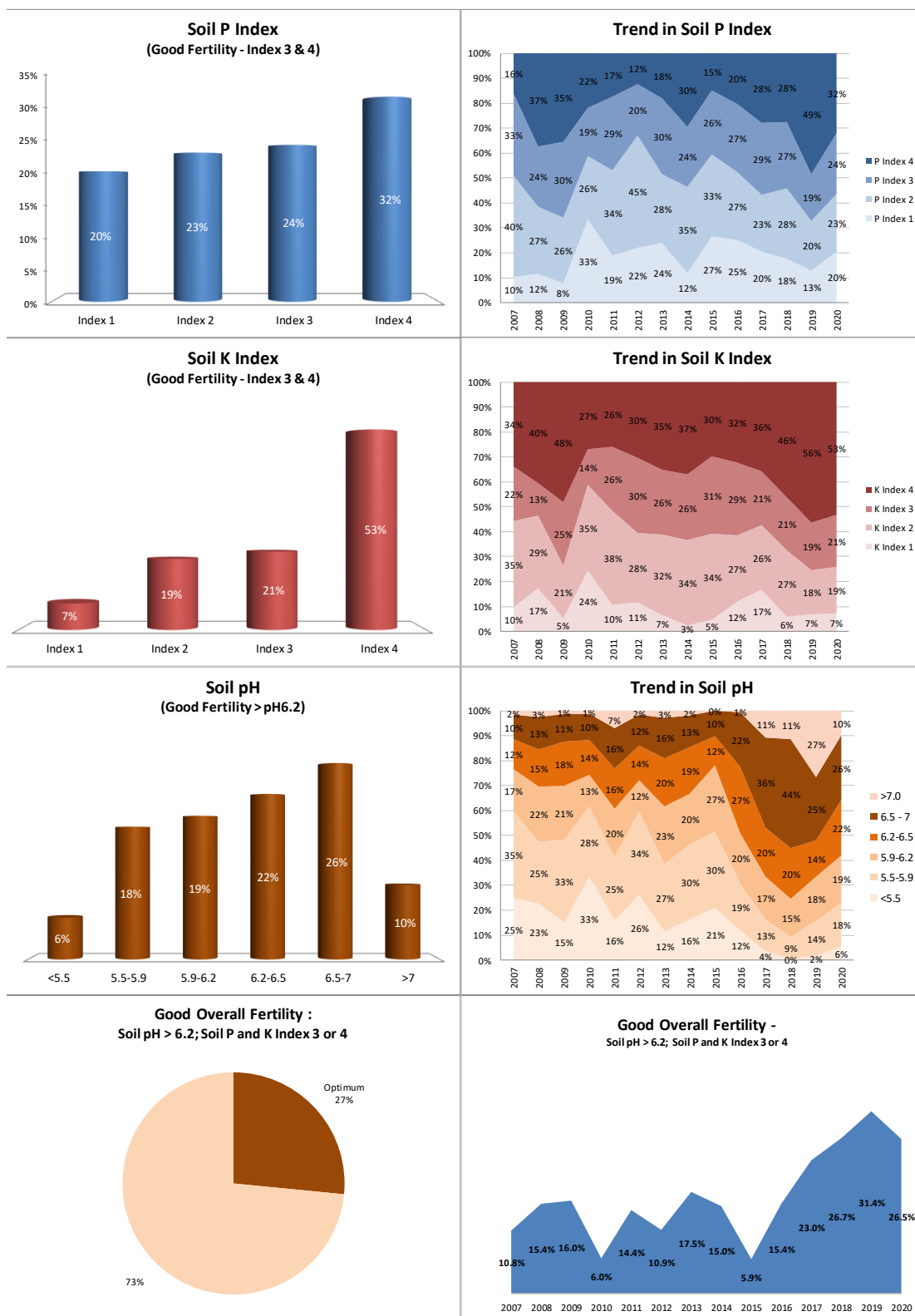
County	Louth
Year	2020
Enterprise	All Farms
Number of Samples	755



Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

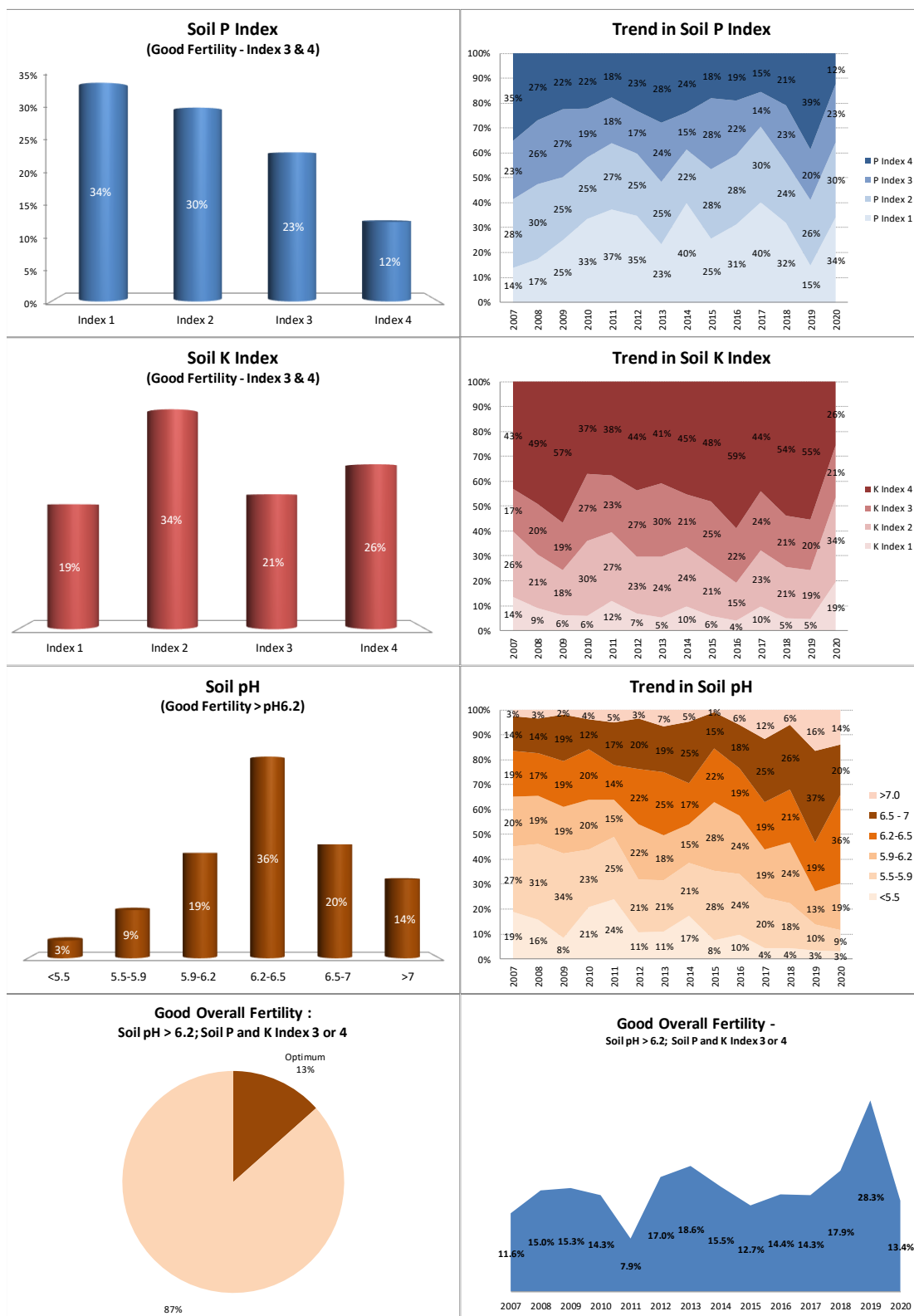
County	Louth
Year	2020
Enterprise	Dairy
Number of Samples	413



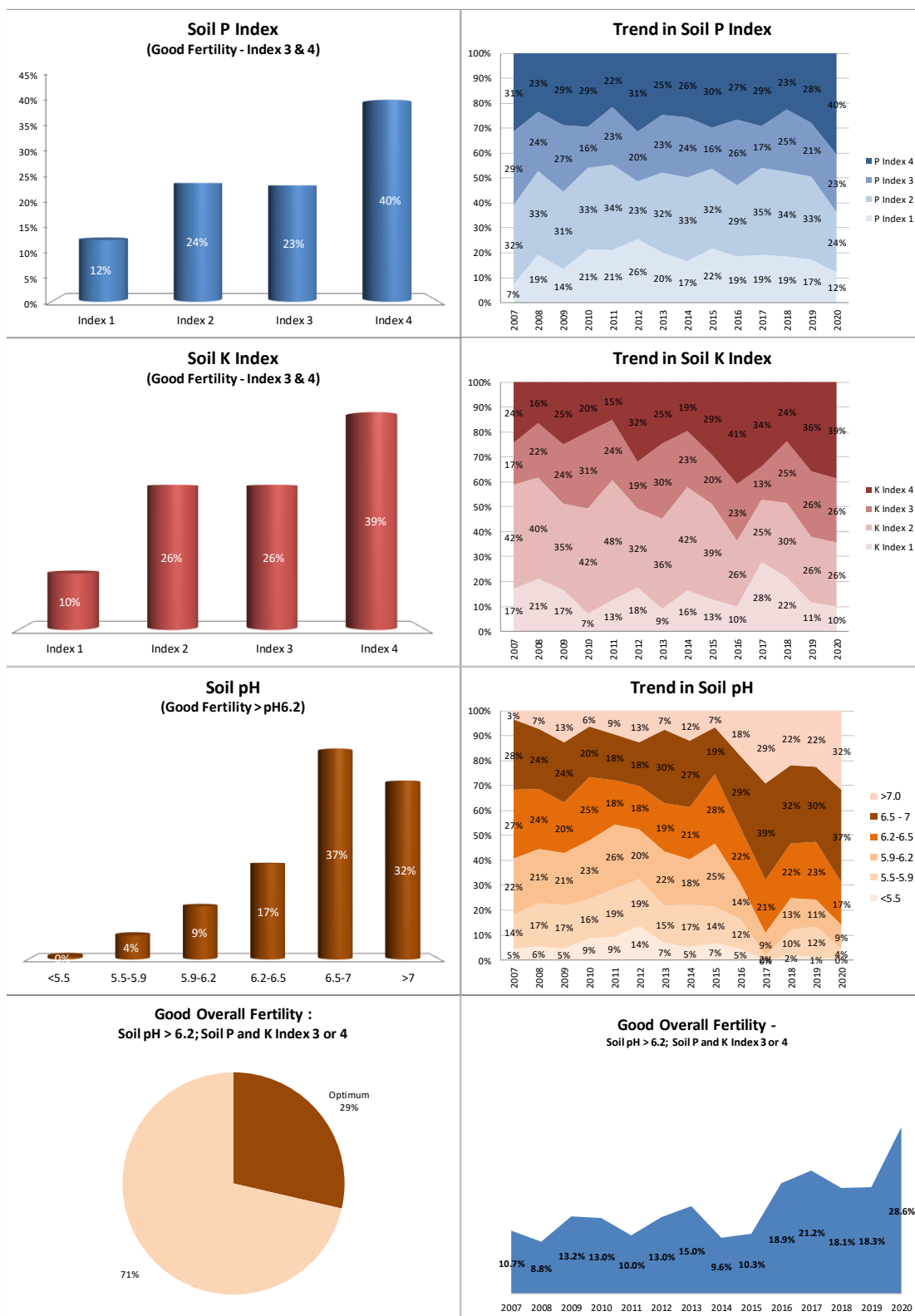
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

Louth
2020
Drystock
129

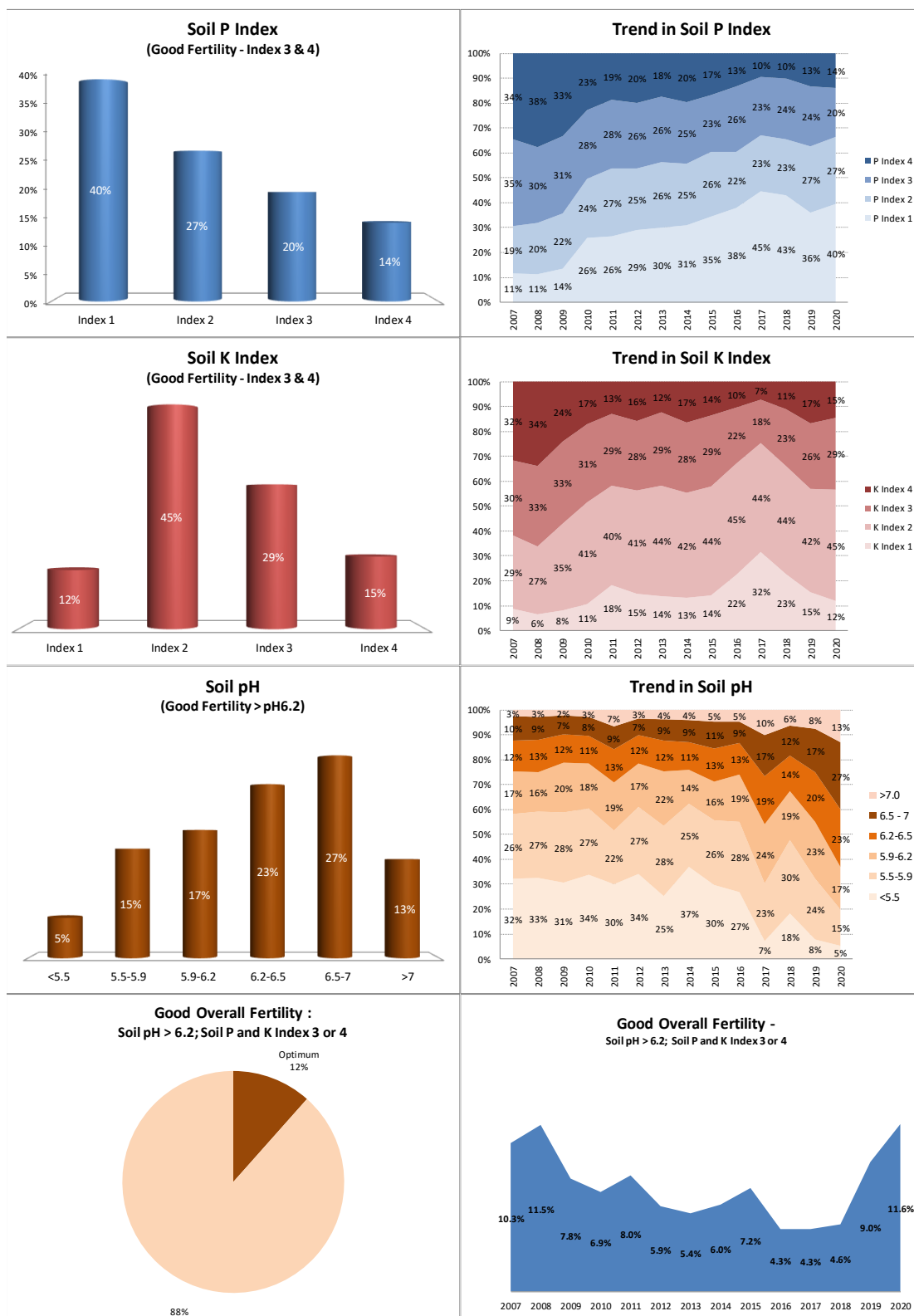


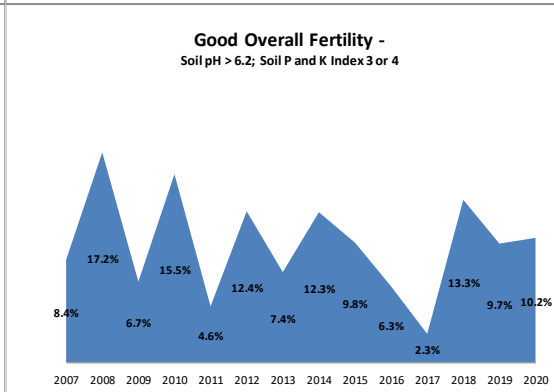
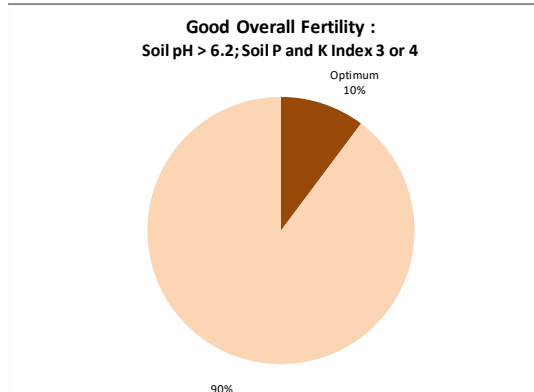
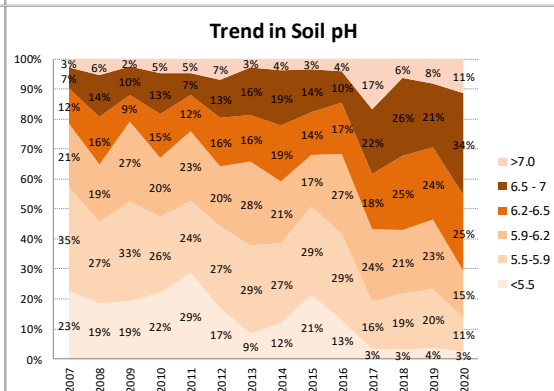
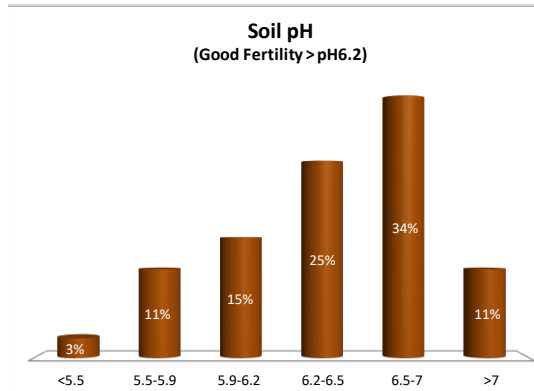
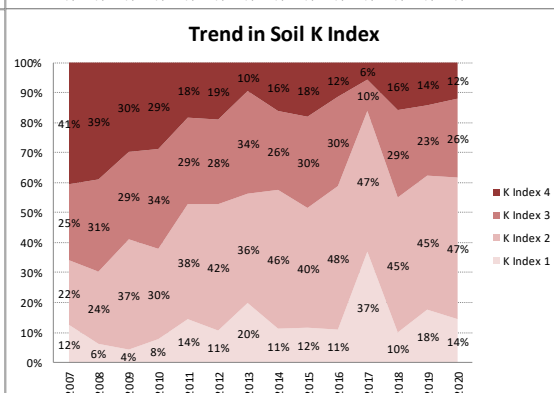
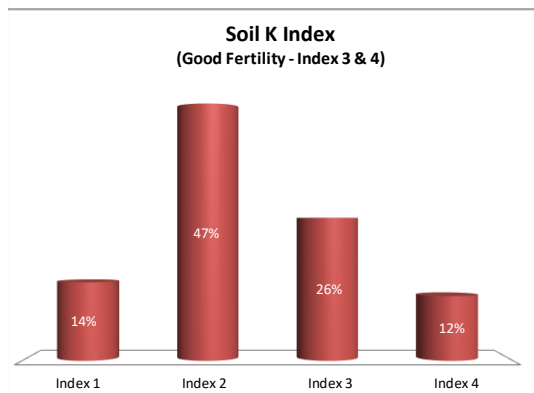
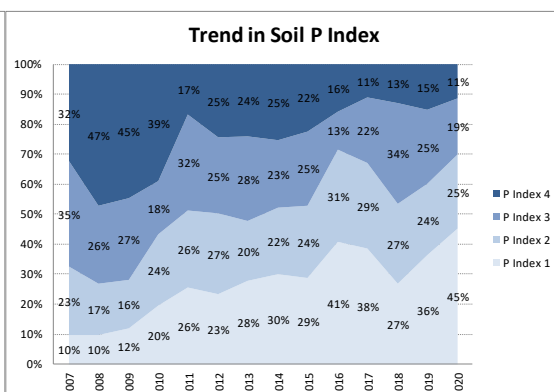
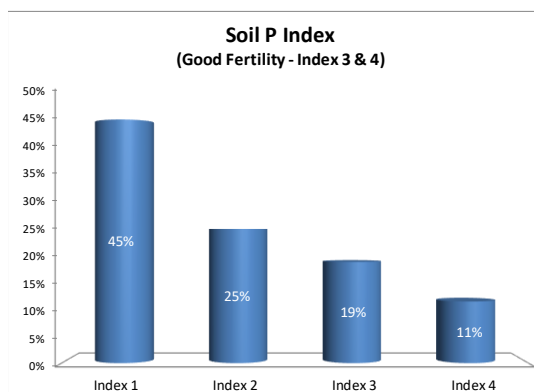
County	Louth
Year	2020
Enterprise	Tillage
Number of Samples	210

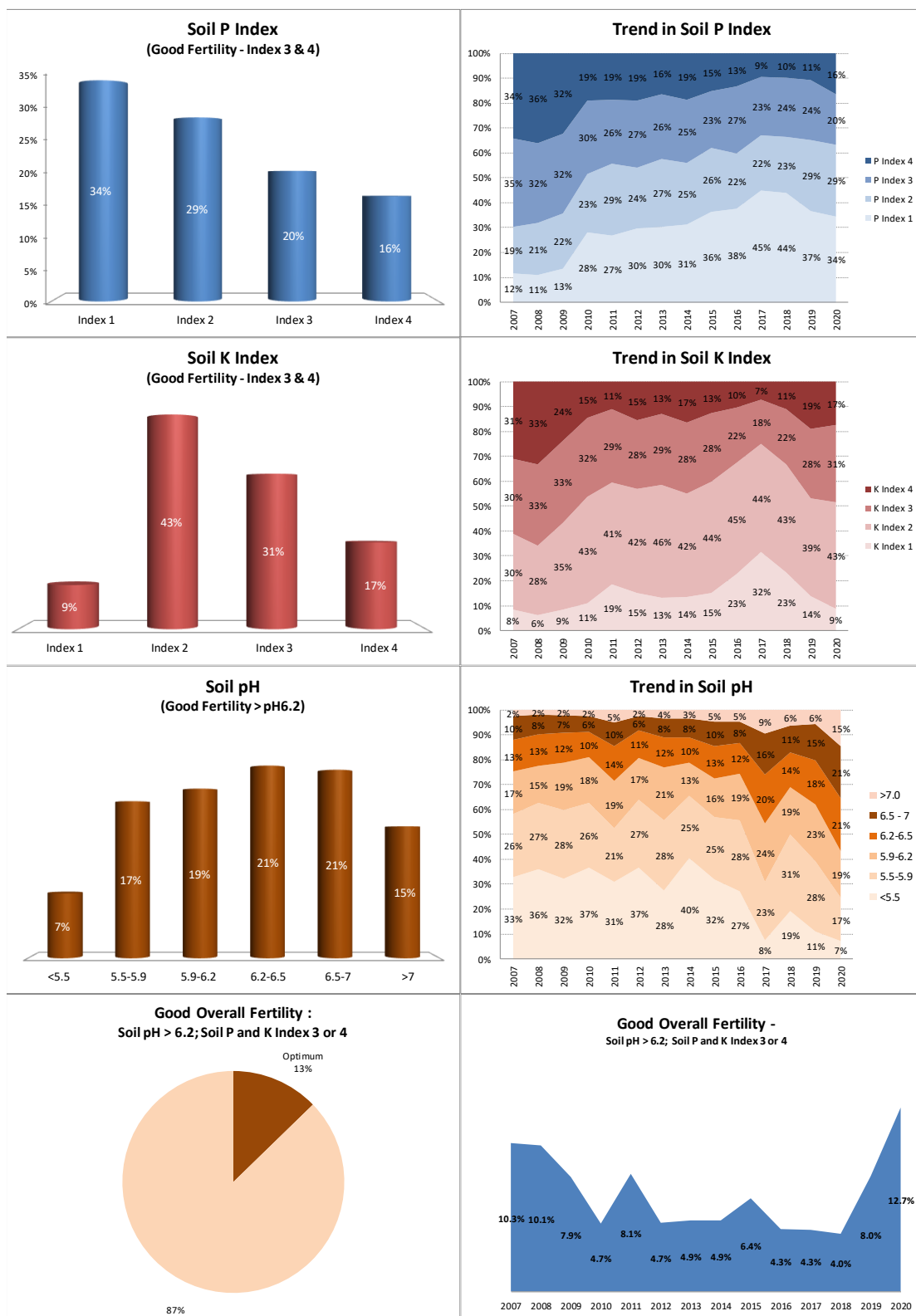


Soil Analysis Status and Trends

County	Mayo
Year	2020
Enterprise	All Farms
Number of Samples	841



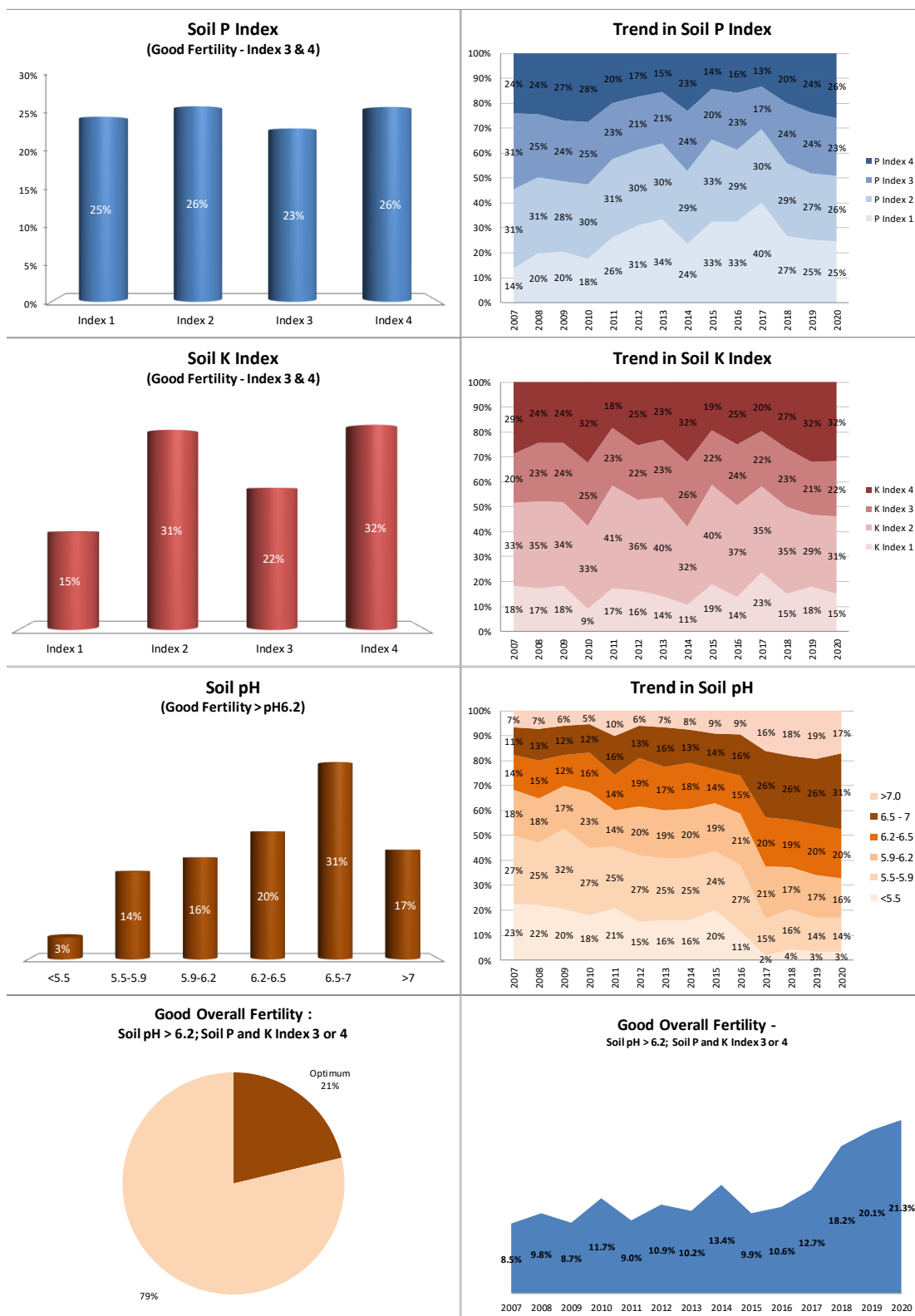




Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

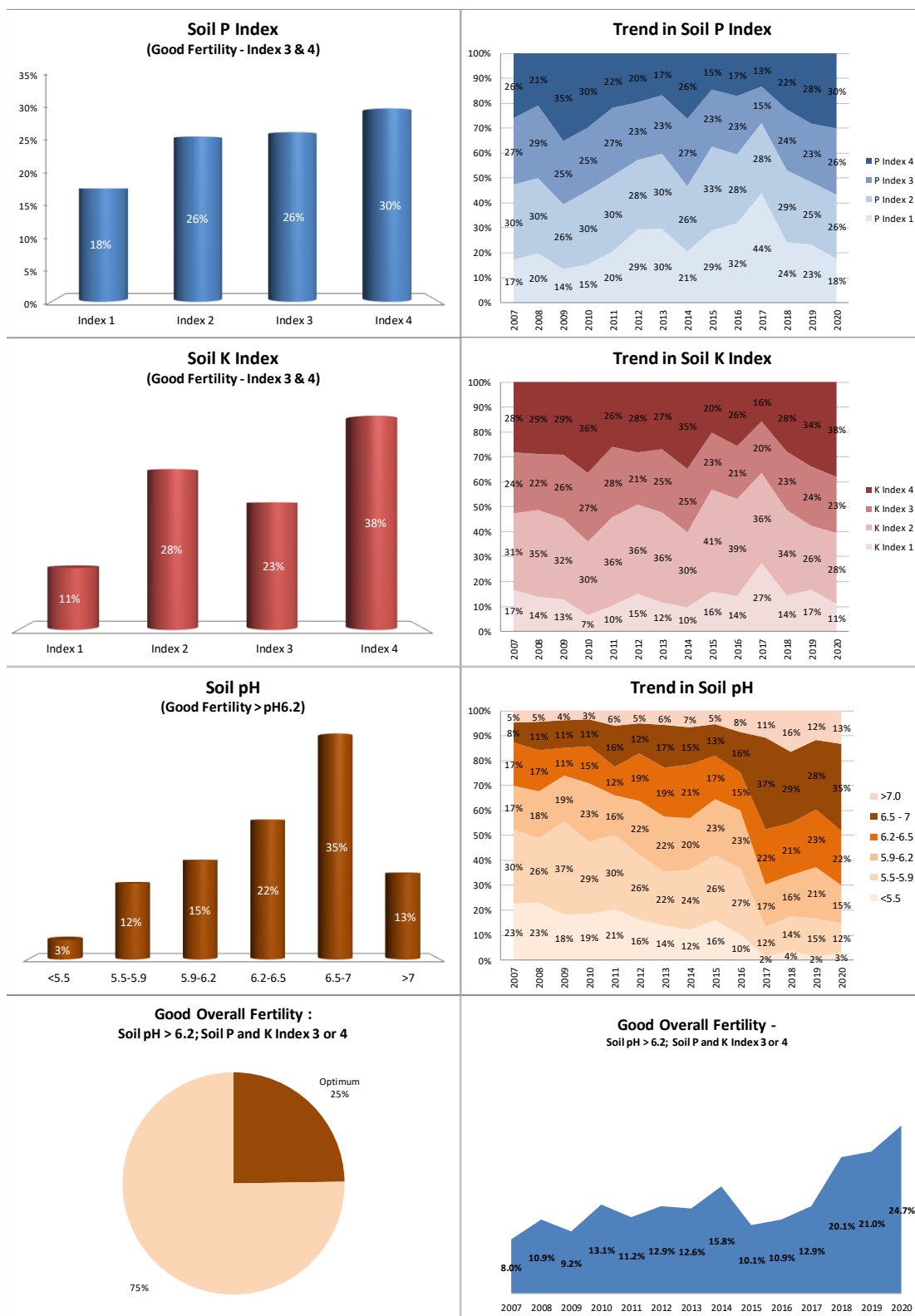
Meath
2020
All Farms
1,149



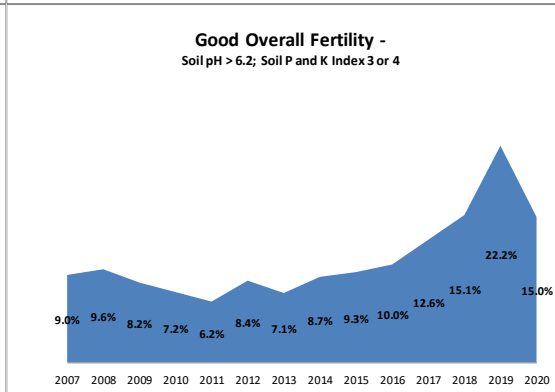
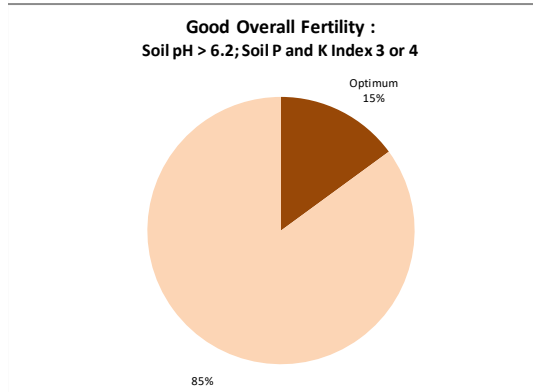
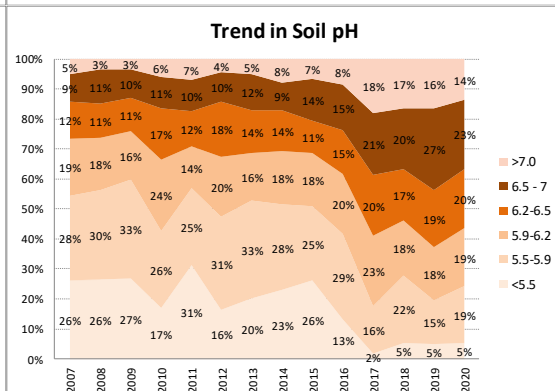
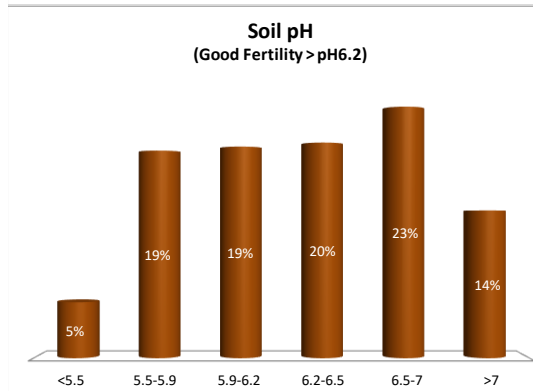
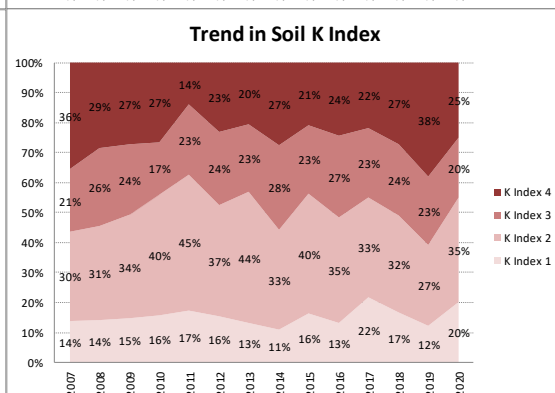
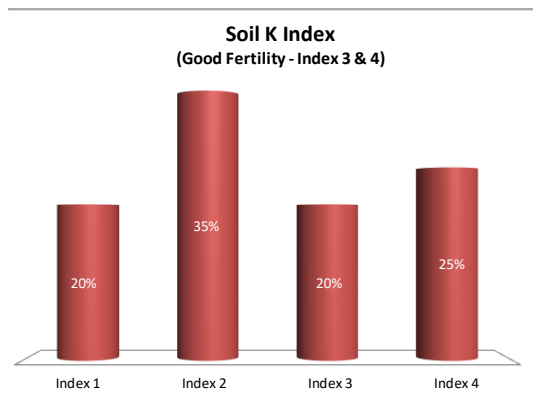
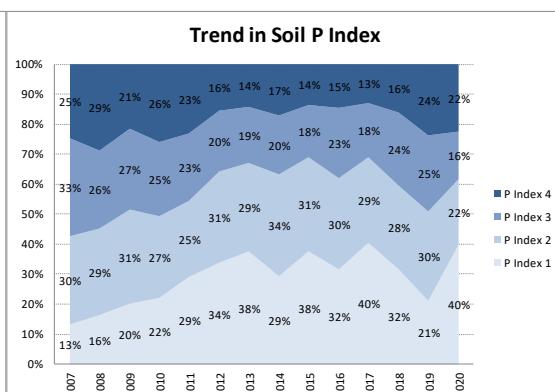
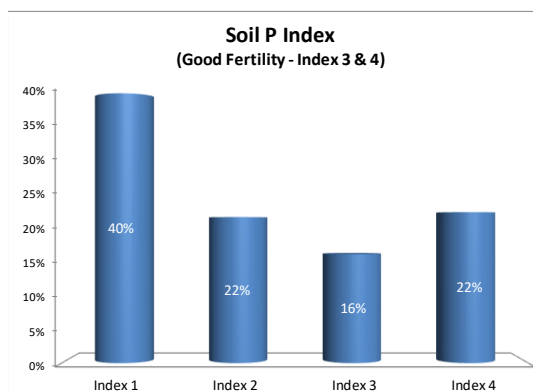
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

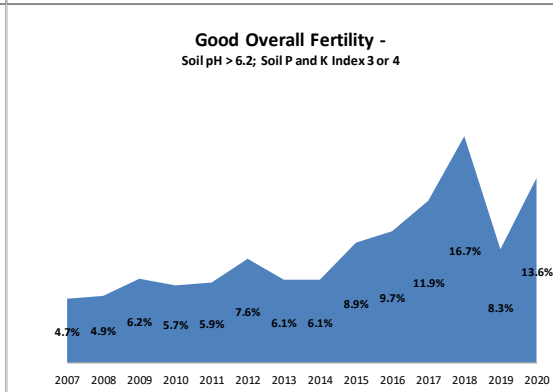
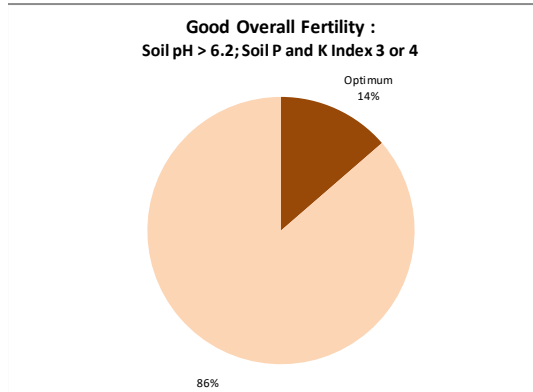
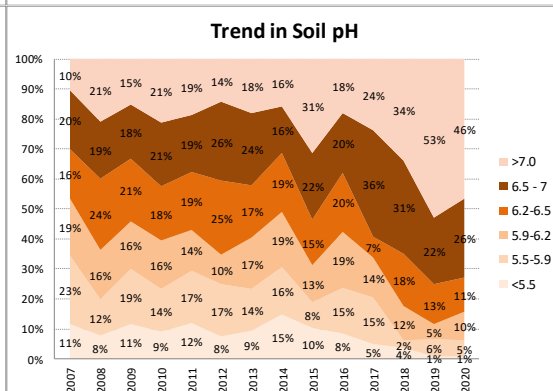
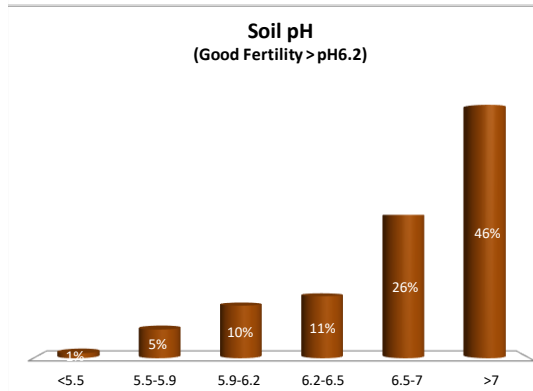
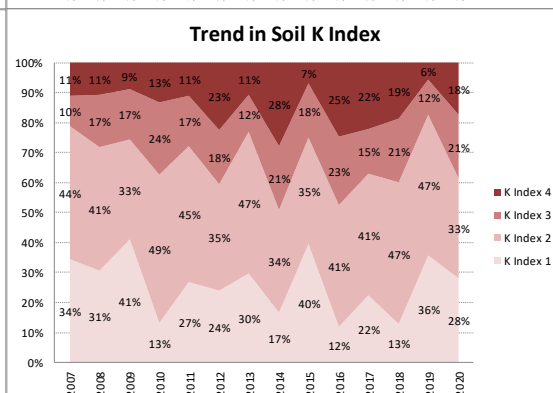
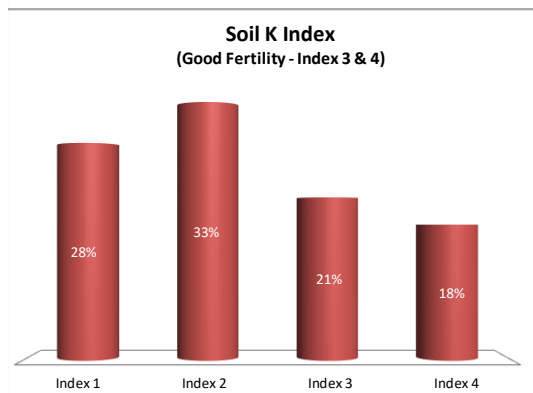
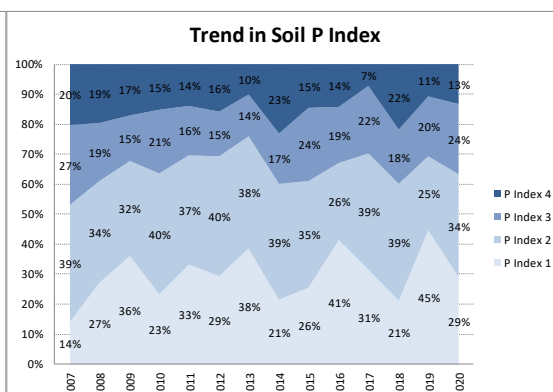
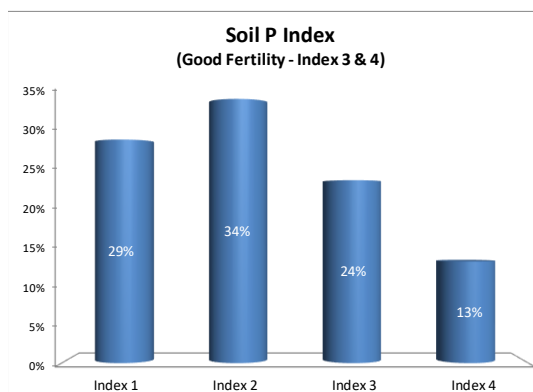
Meath
2020
Dairy
730



County	Meath
Year	2020
Enterprise	Drystock
Number of Samples	273



Meath
2020
Tillage
114



Soil Analysis Status and Trends

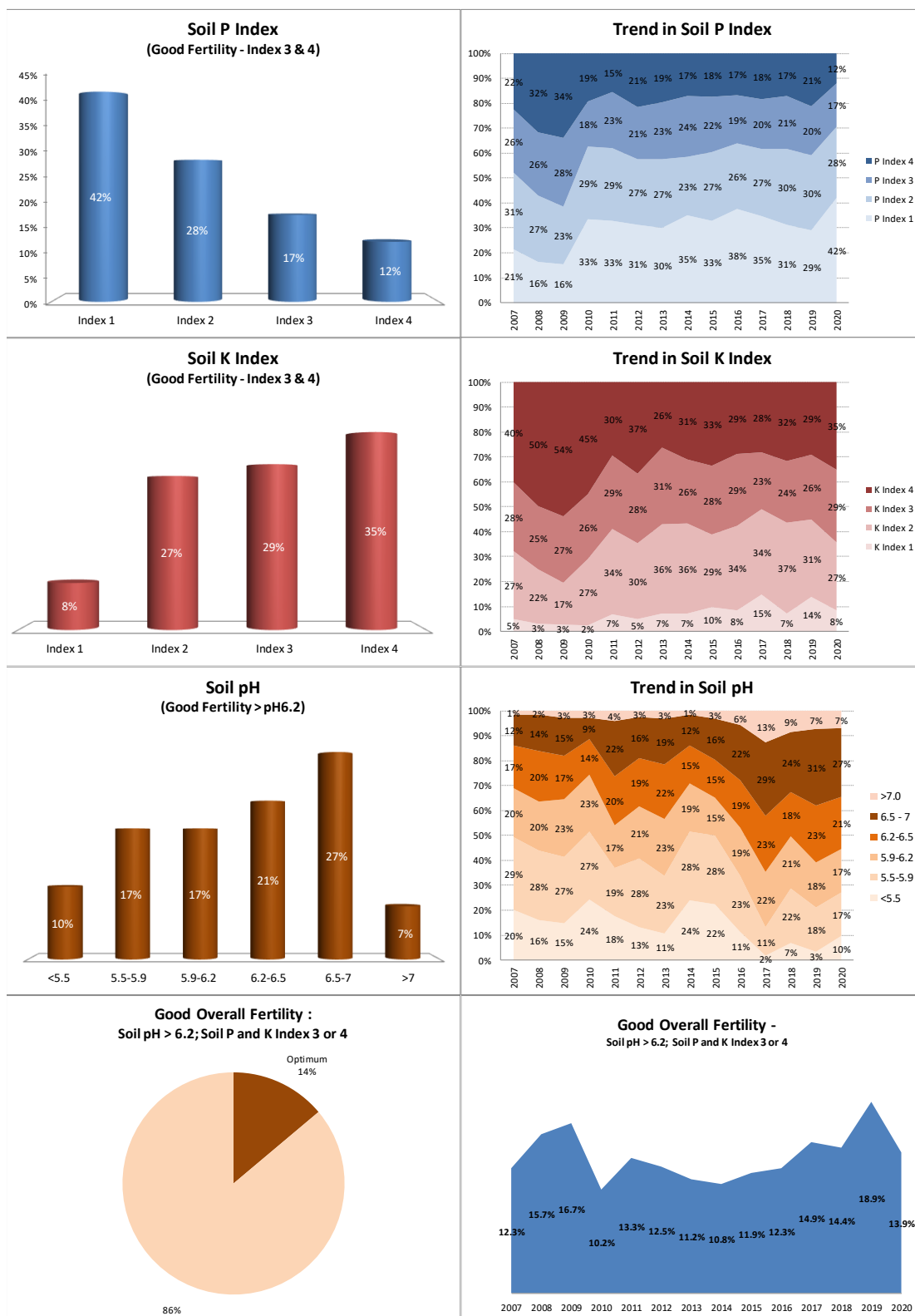
County

Year

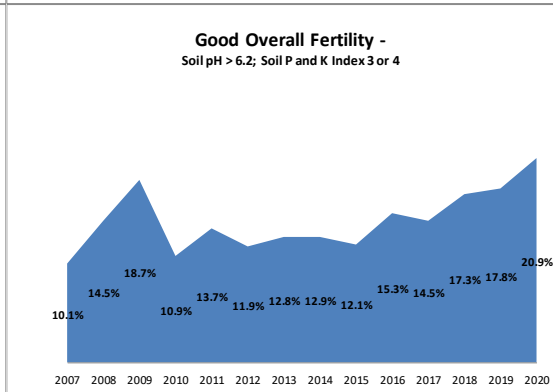
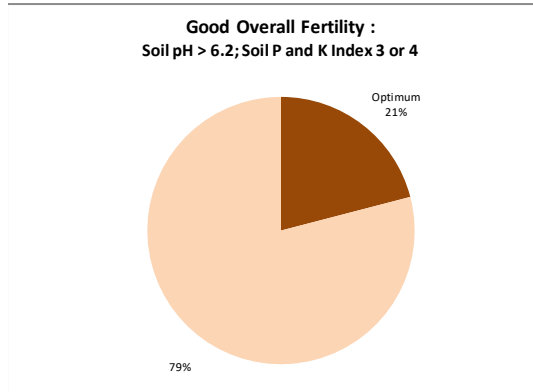
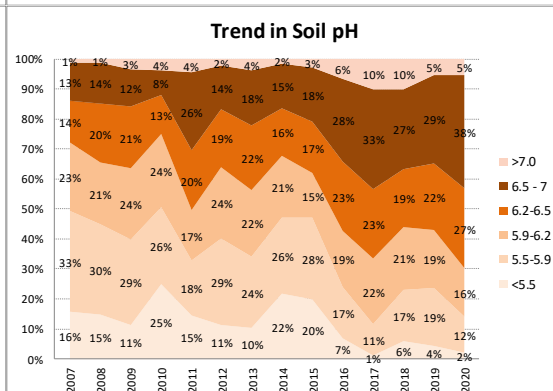
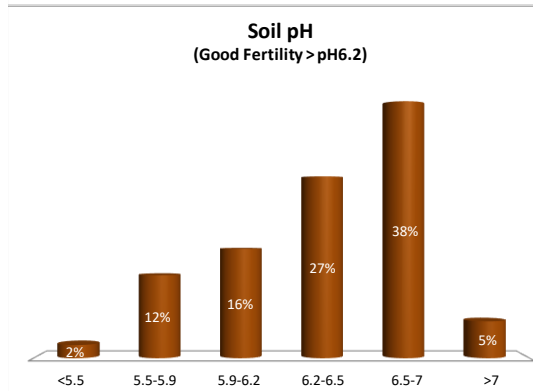
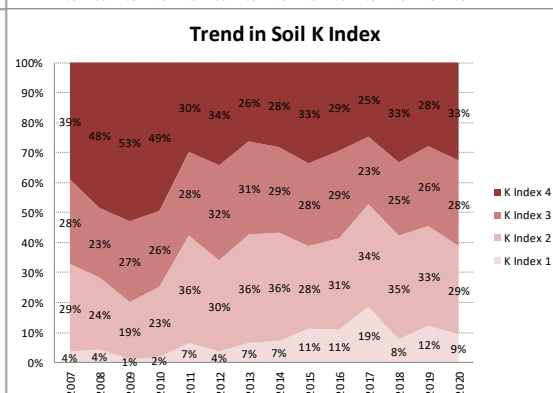
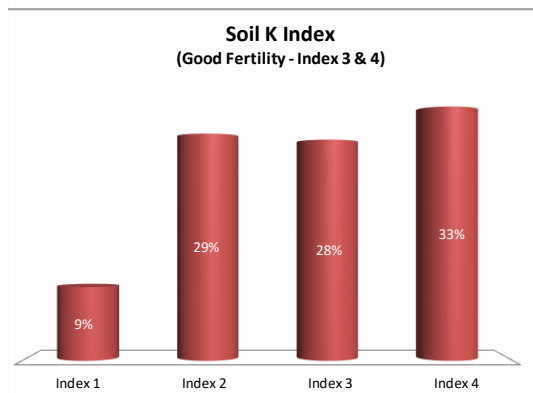
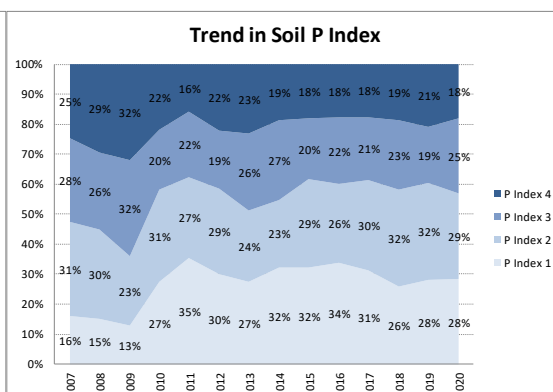
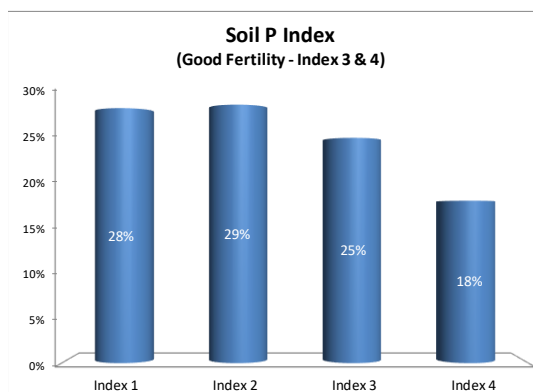
Enterprise

Number of Samples

Monaghan
2020
All Farms
1,107



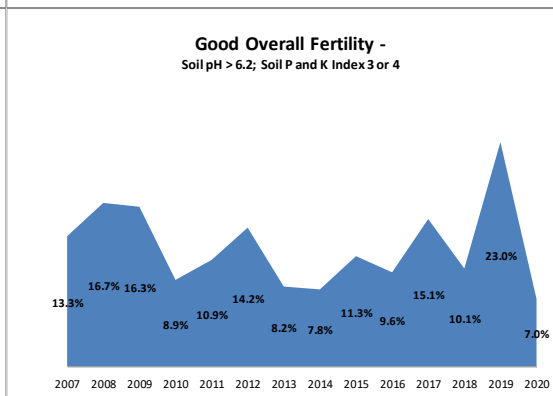
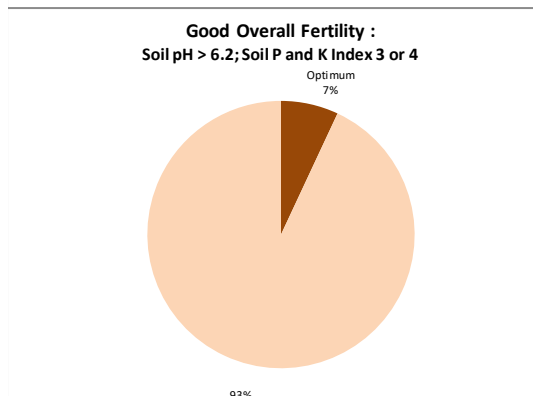
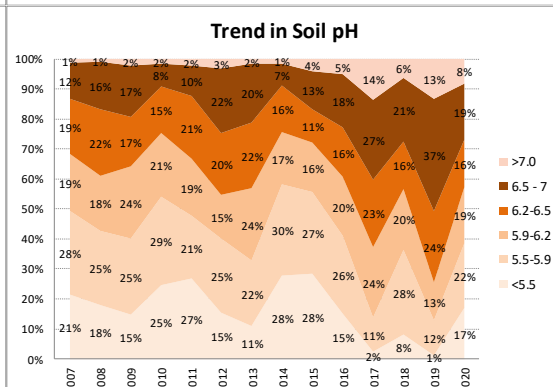
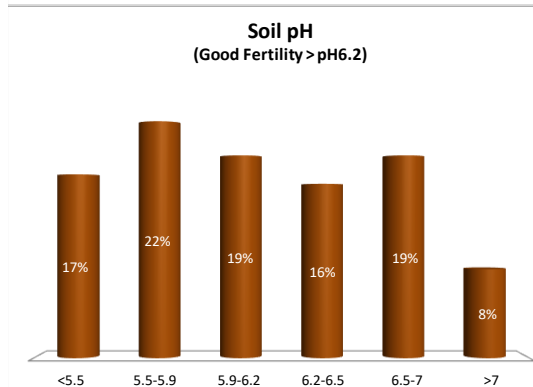
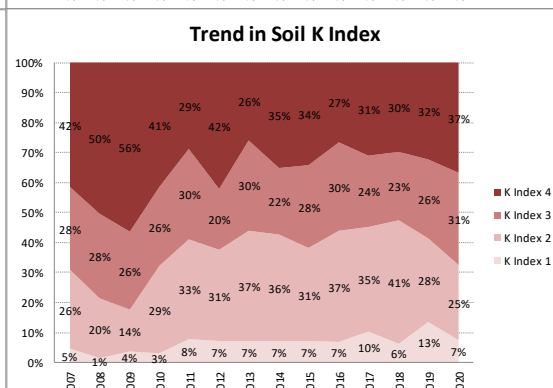
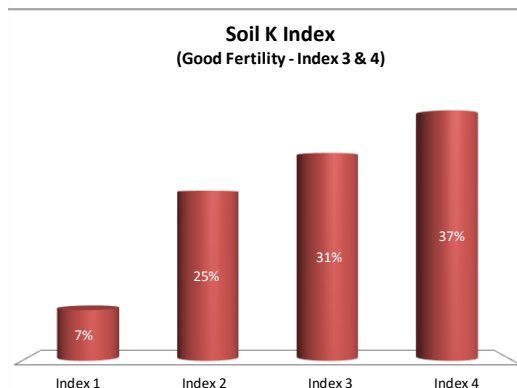
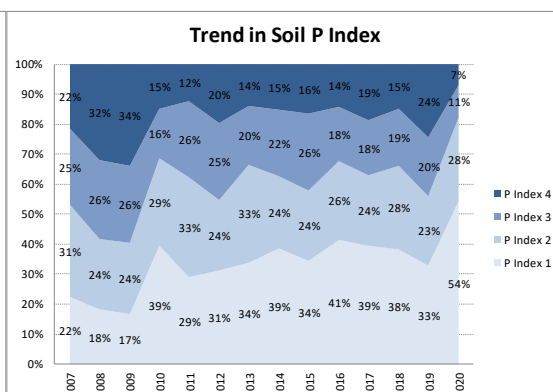
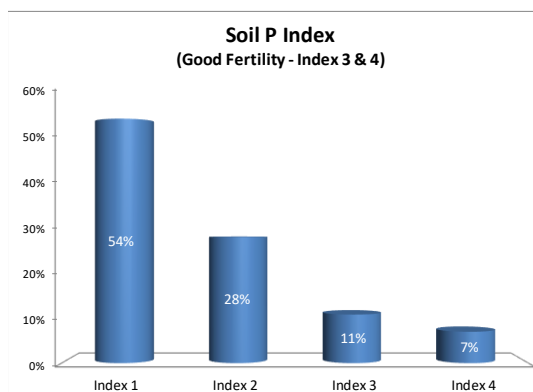
County	Monaghan
Year	2020
Enterprise	Dairy
Number of Samples	516



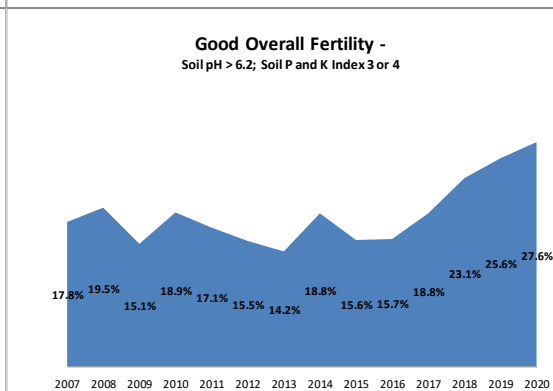
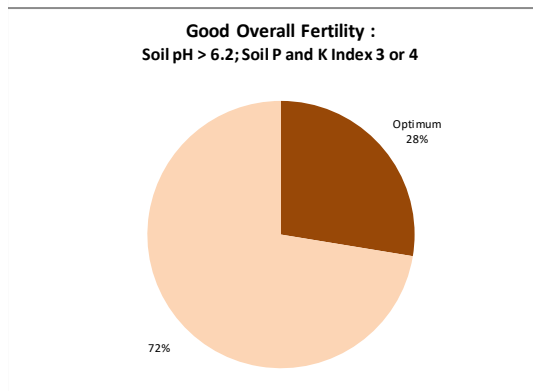
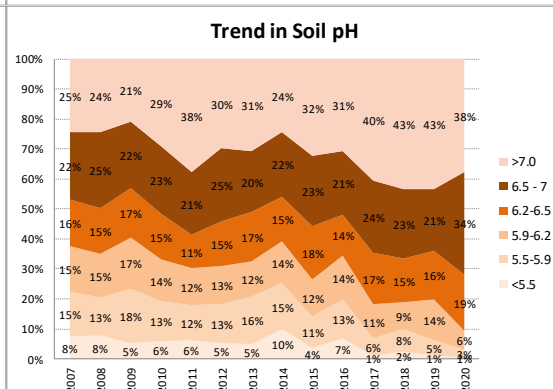
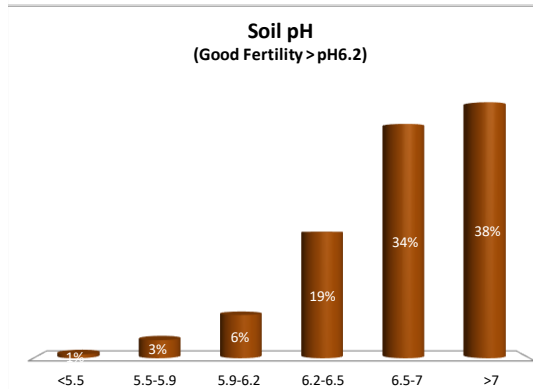
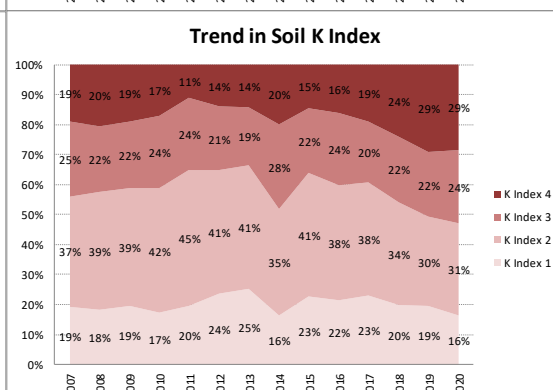
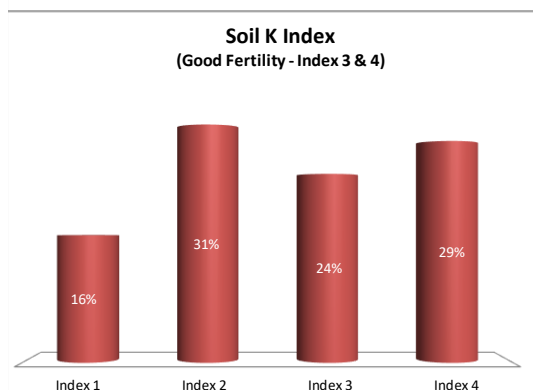
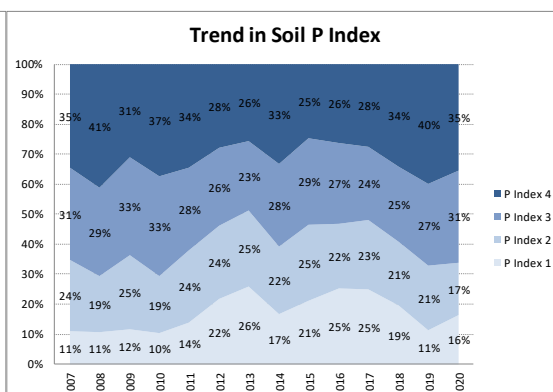
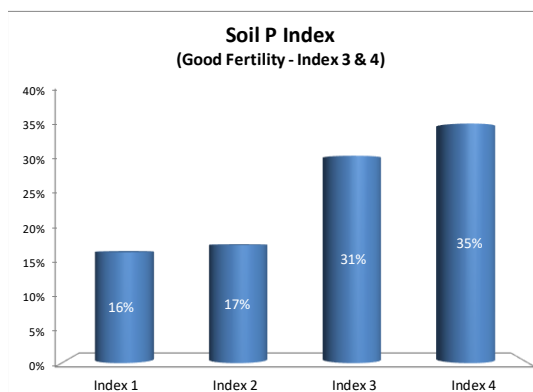
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

County	Monaghan
Year	2020
Enterprise	Drystock
Number of Samples	575



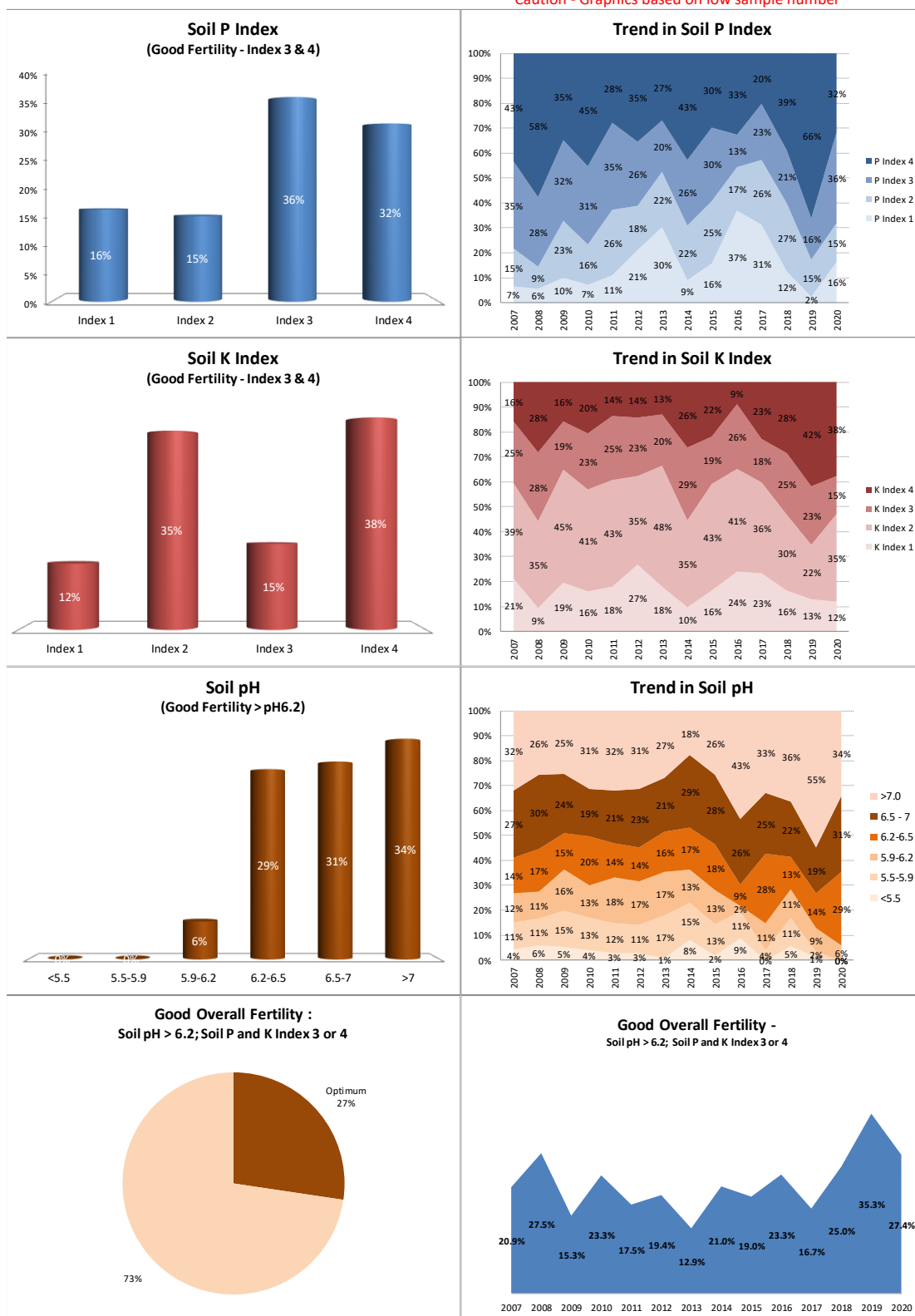
County	Offaly
Year	2020
Enterprise	All Farms
Number of Samples	189



Soil Analysis Status and Trends

County	Offaly
Year	2020
Enterprise	Dairy
Number of Samples	85

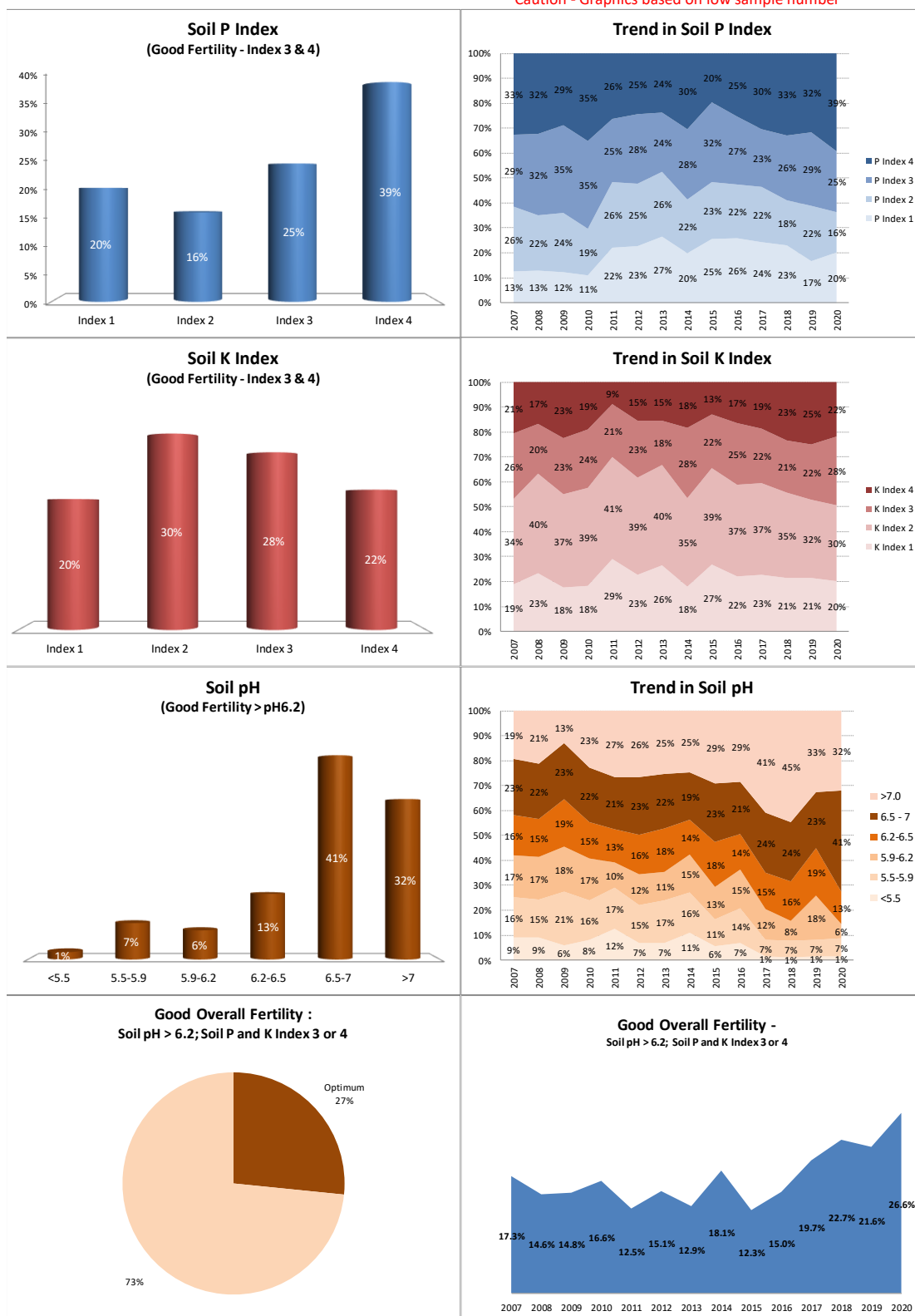
Caution - Graphics based on low sample number



Soil Analysis Status and Trends

County	Offaly
Year	2020
Enterprise	Drystock
Number of Samples	69

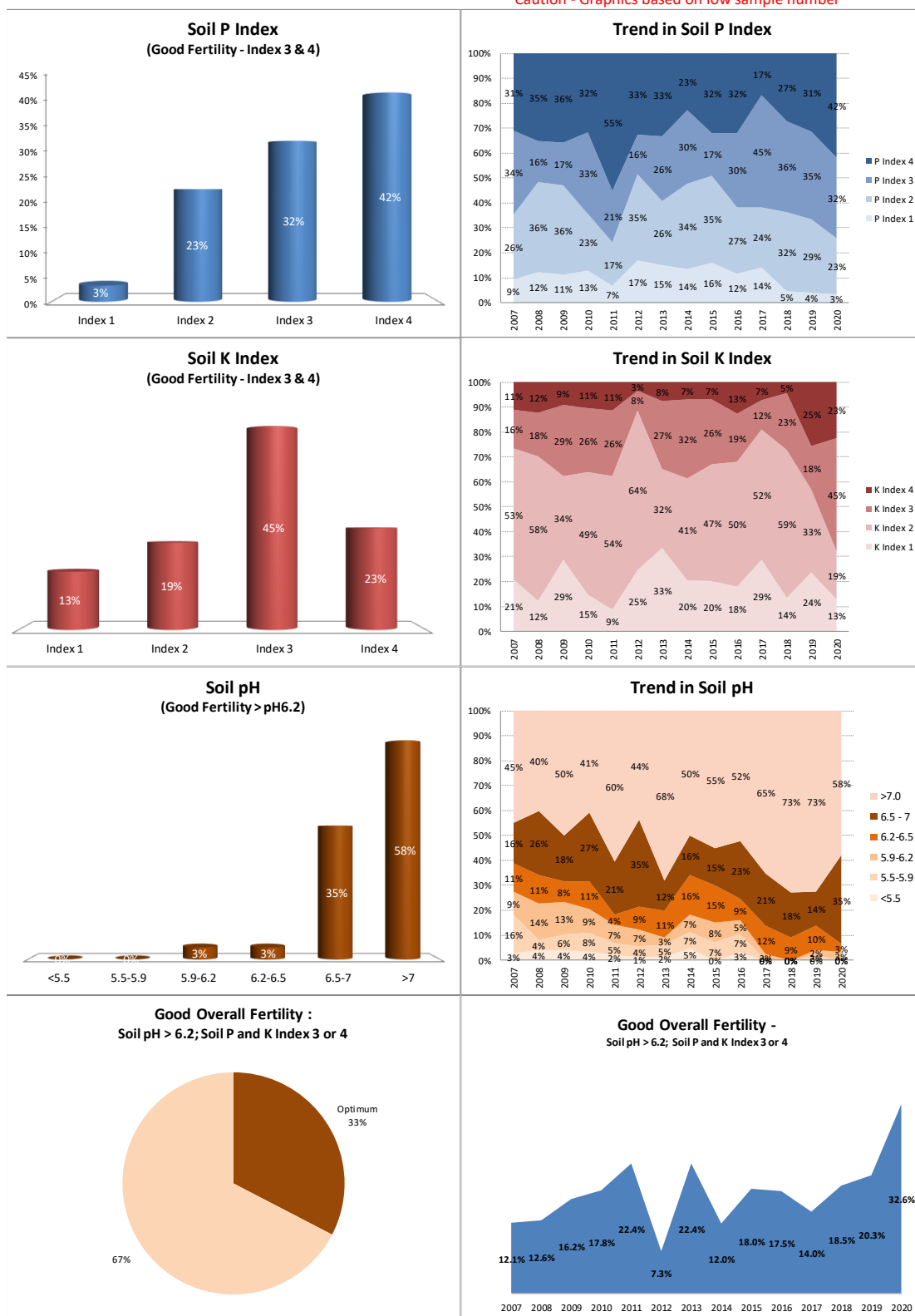
Caution - Graphics based on low sample number



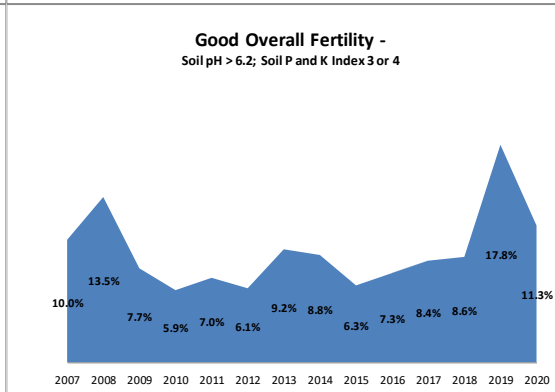
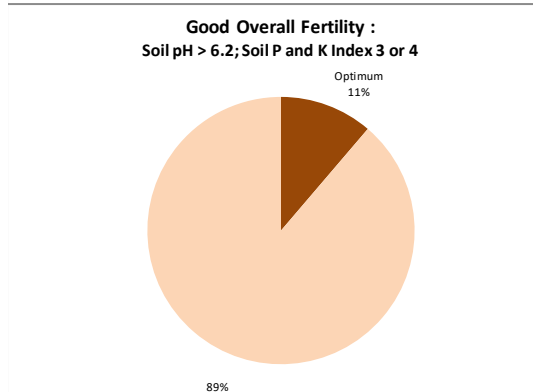
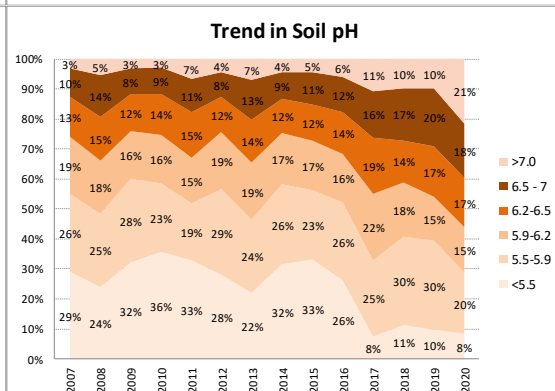
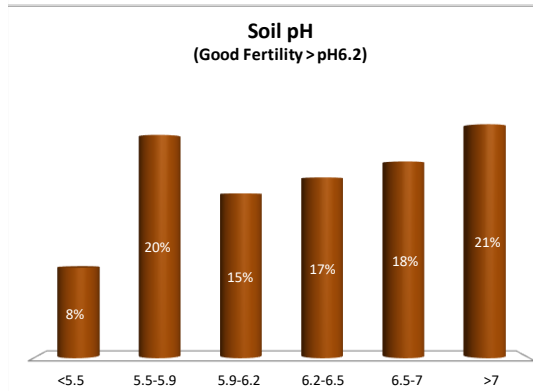
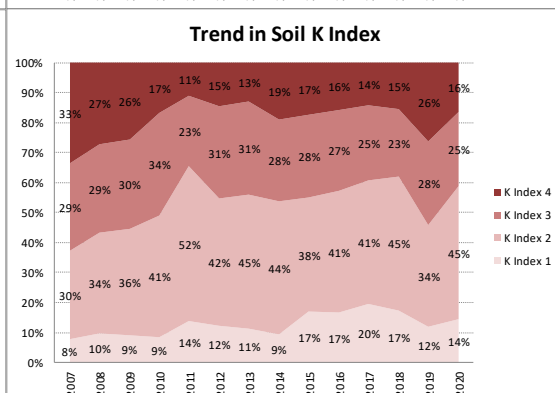
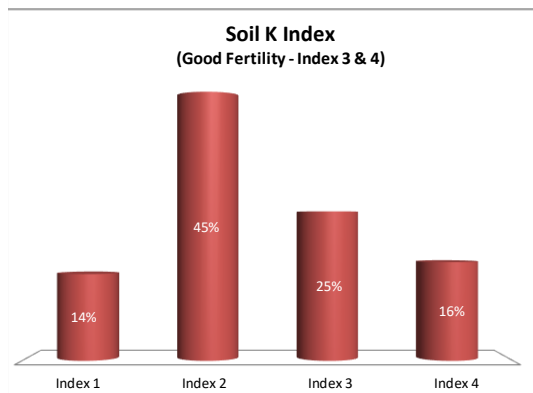
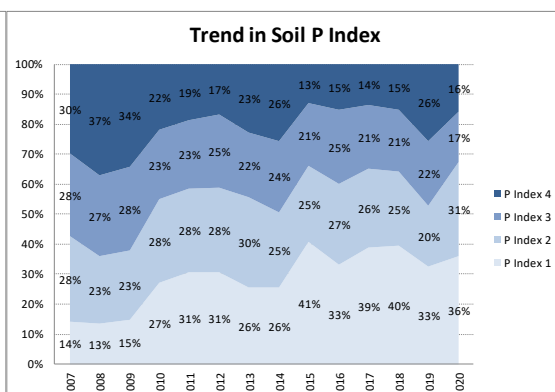
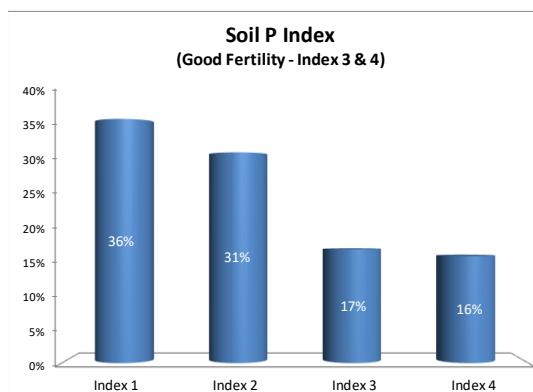
Soil Analysis Status and Trends

County	Offaly
Year	2020
Enterprise	Tillage
Number of Samples	31

Caution - Graphics based on low sample number



County	Roscommon
Year	2020
Enterprise	All Farms
Number of Samples	202

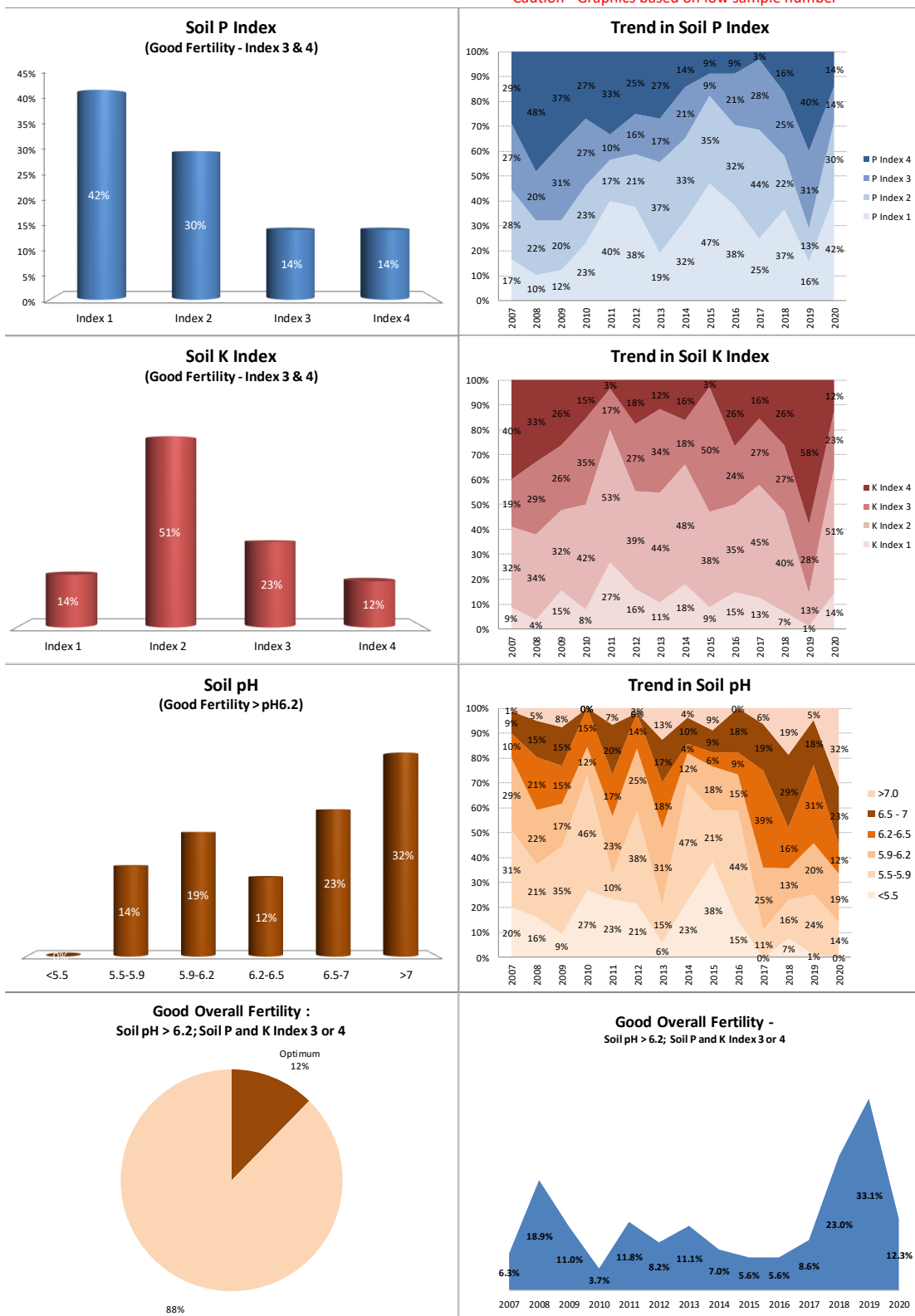


Soil Analysis Status and Trends

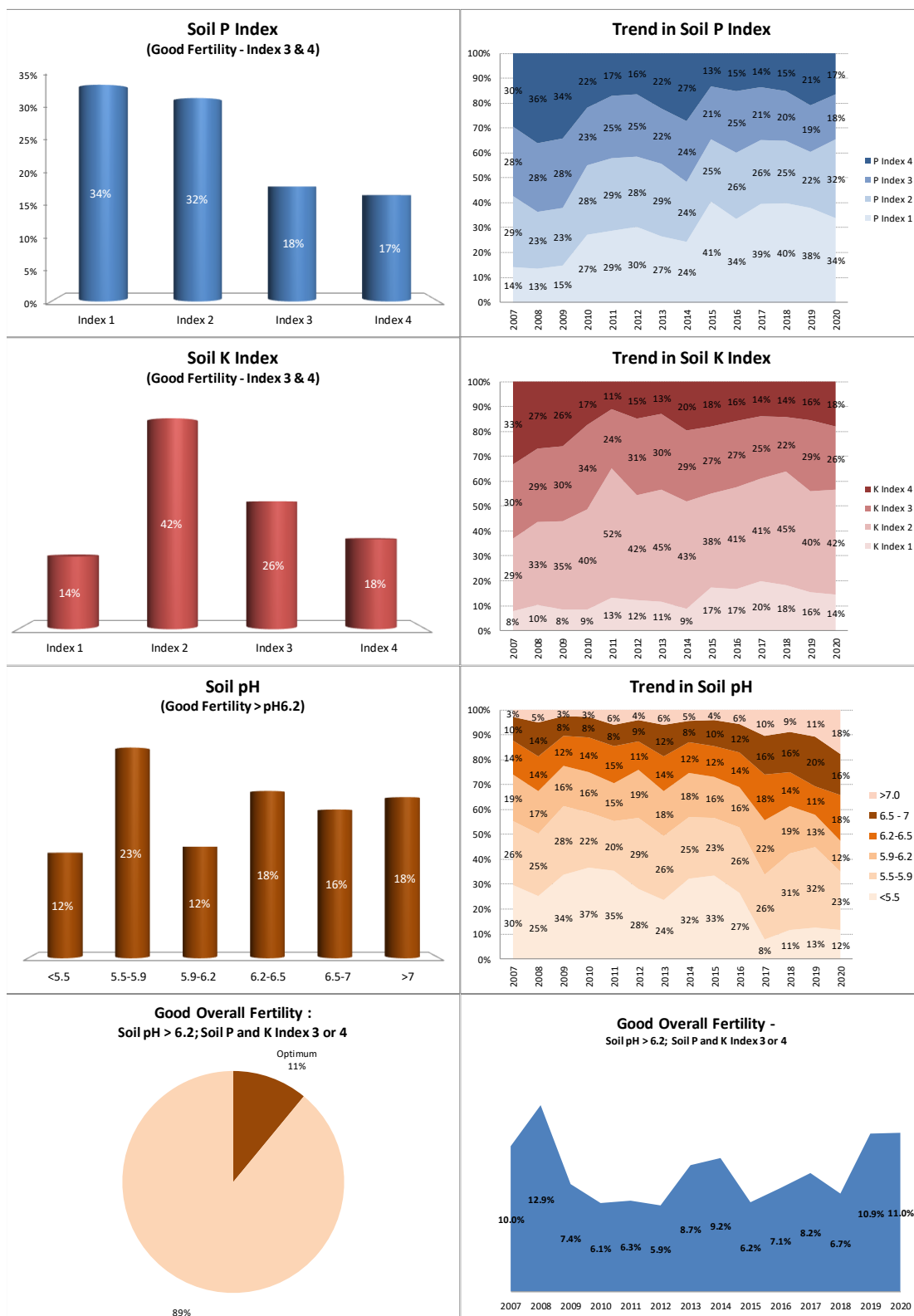
County
Year
Enterprise
Number of Samples

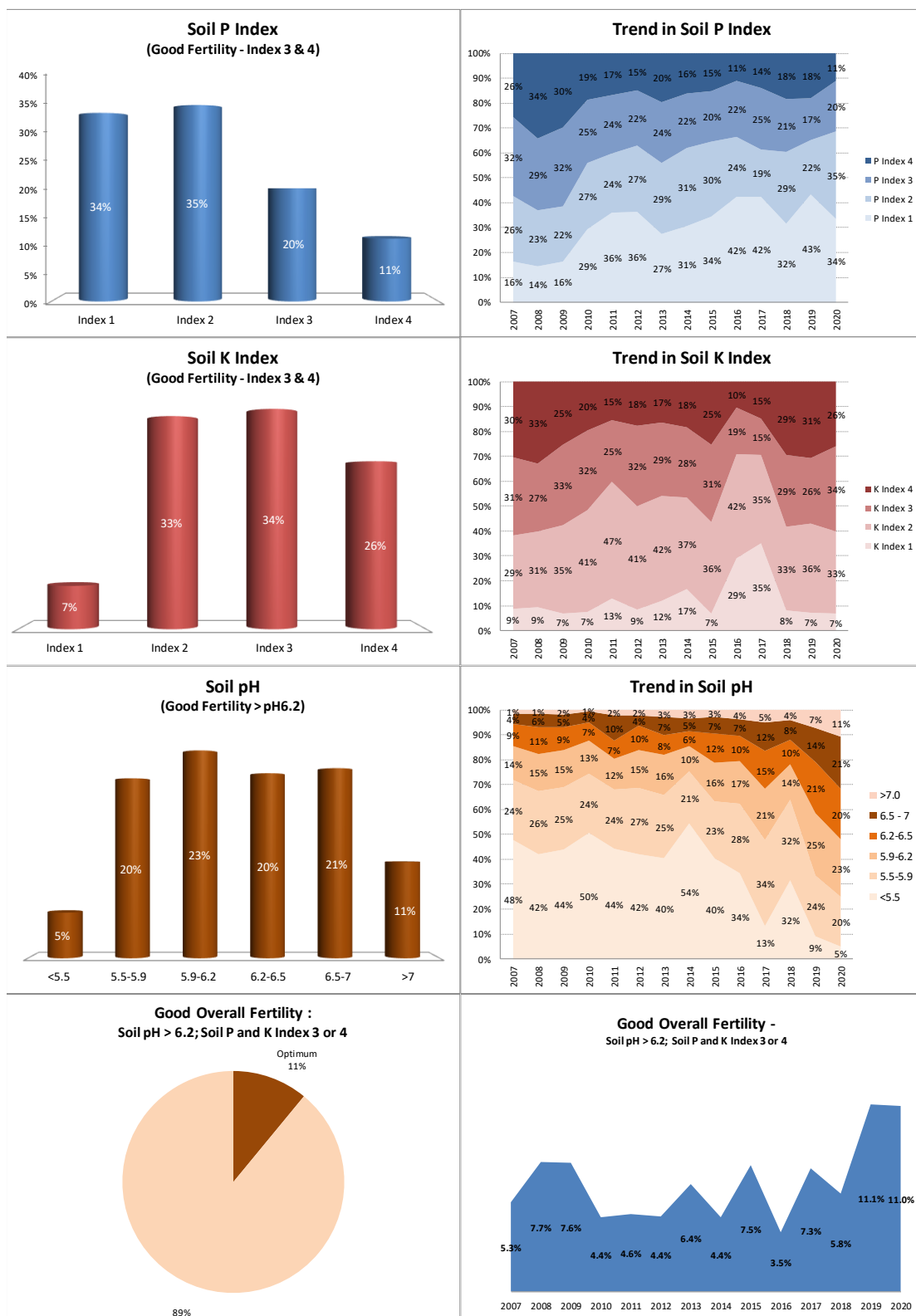
County	Roscommon
Year	2020
Enterprise	Dairy
Number of Samples	57

Caution - Graphics based on low sample number

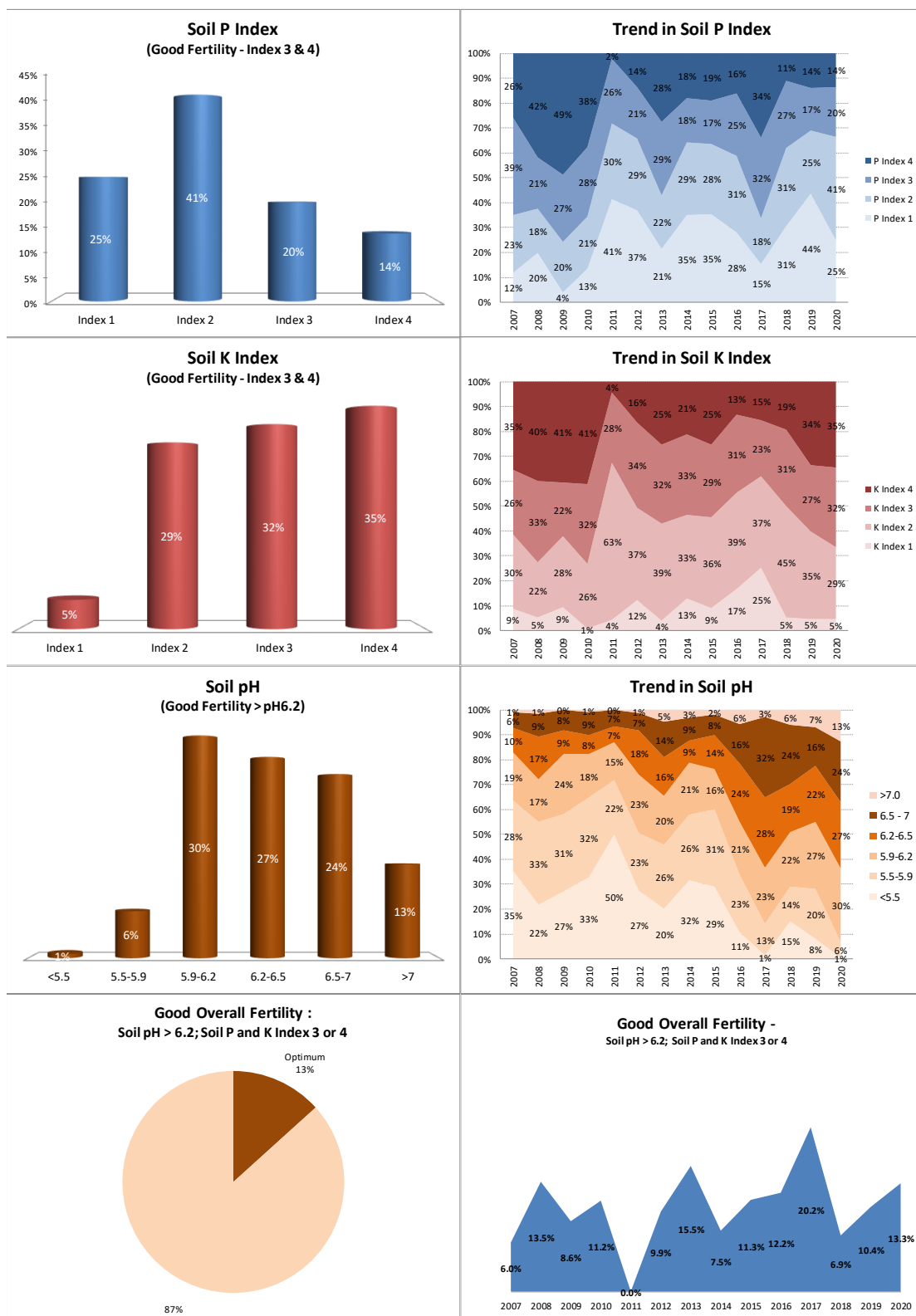


County	Roscommon
Year	2020
Enterprise	Drystock
Number of Samples	145

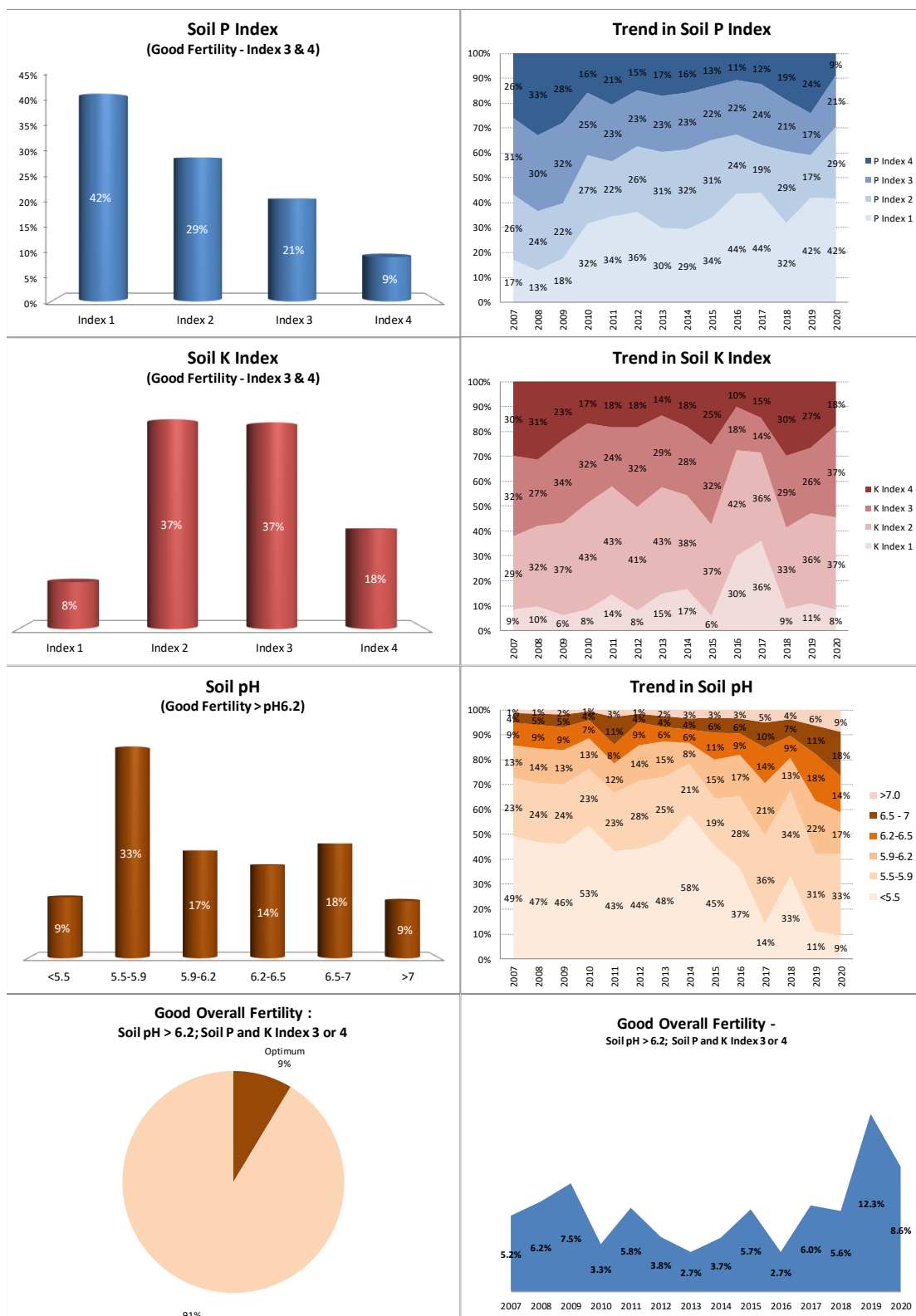


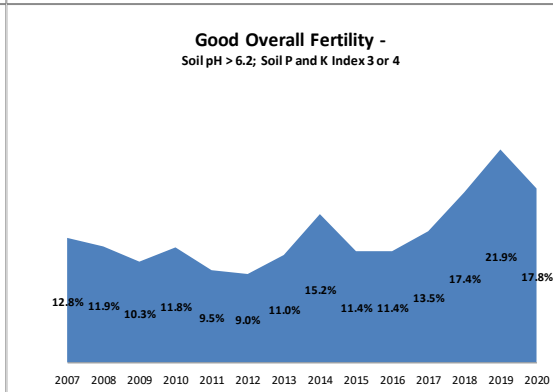
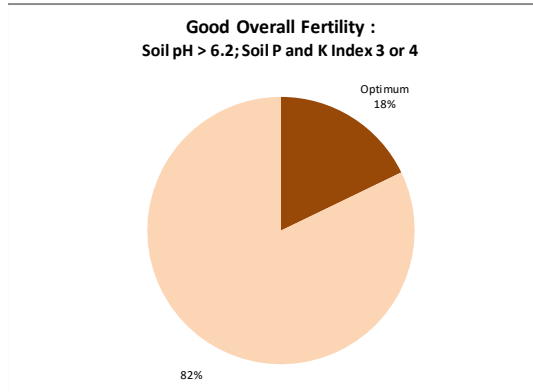
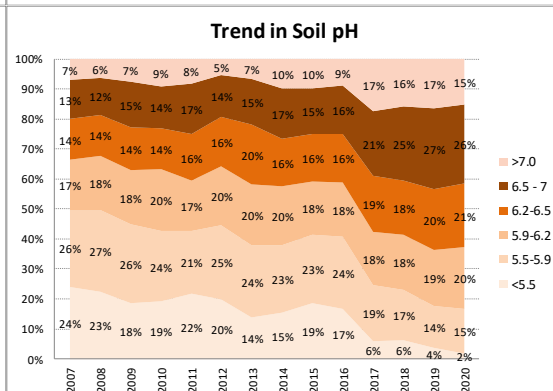
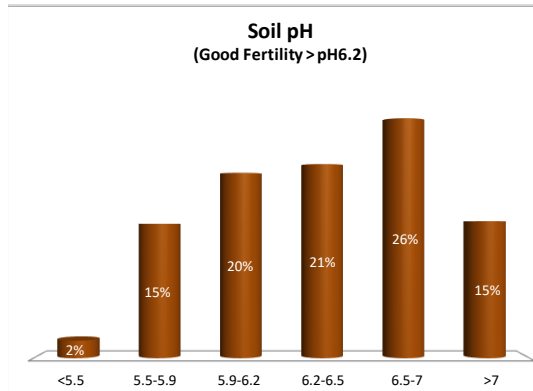
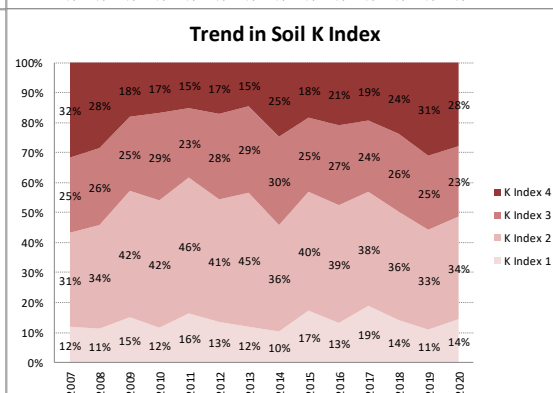
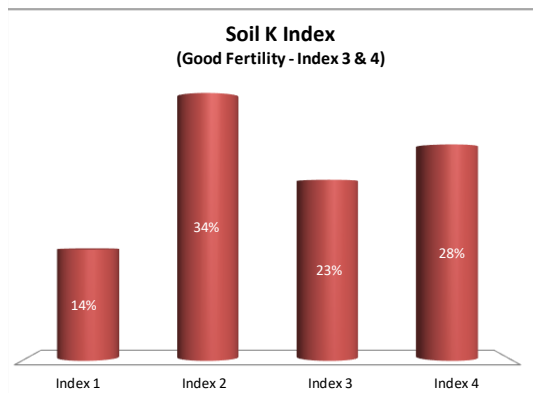
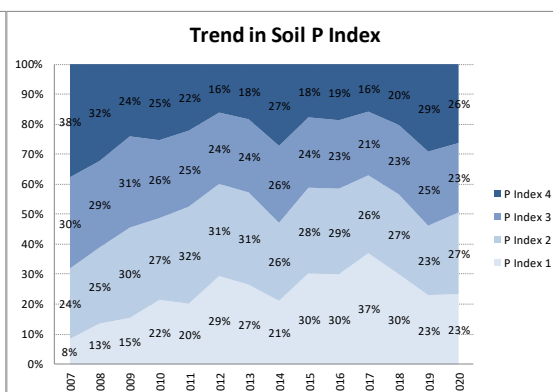
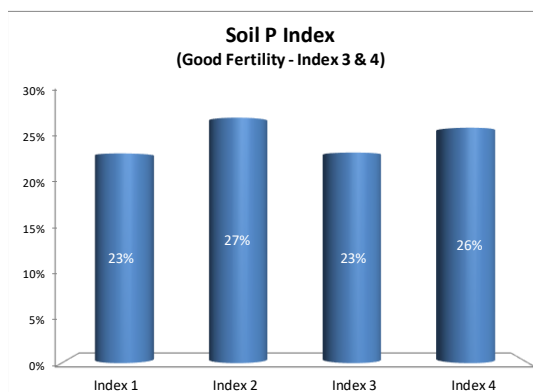


County	Sligo
Year	2020
Enterprise	Dairy
Number of Samples	176

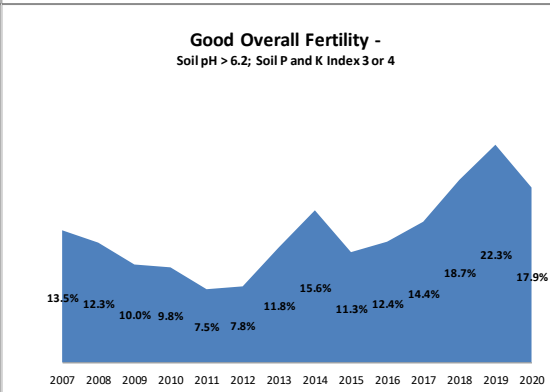
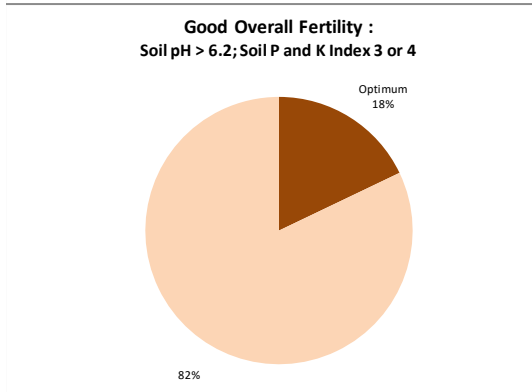
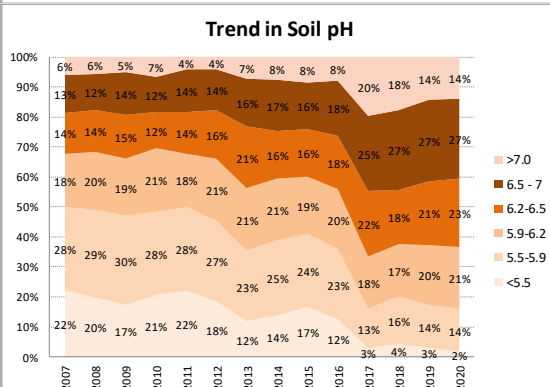
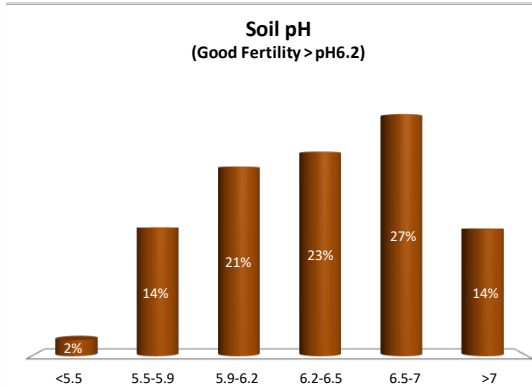
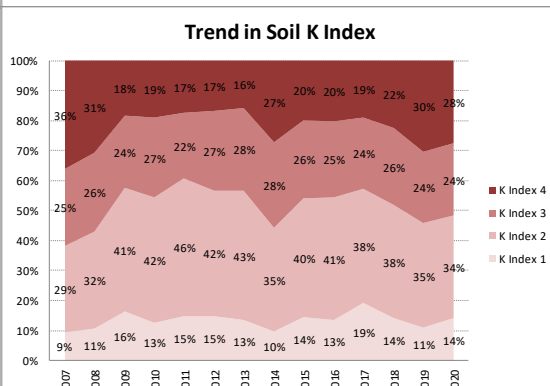
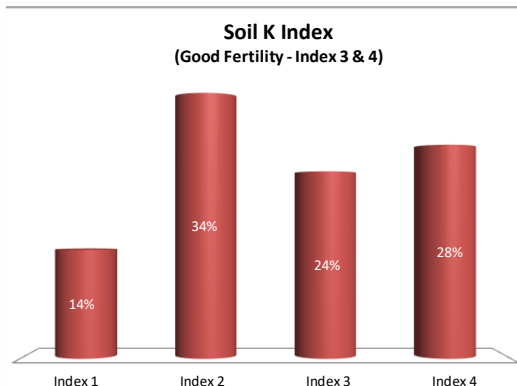
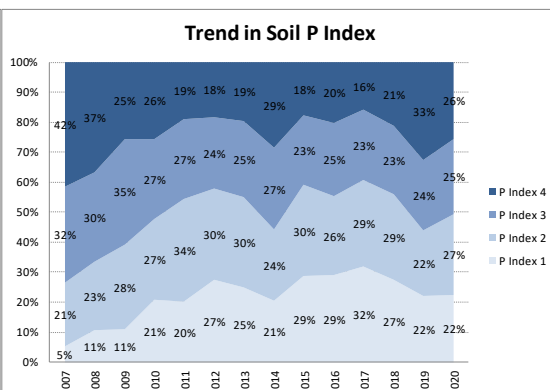
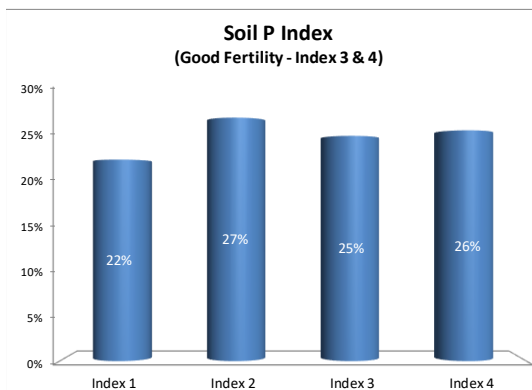


County	Sligo
Year	2020
Enterprise	Drystock
Number of Samples	180





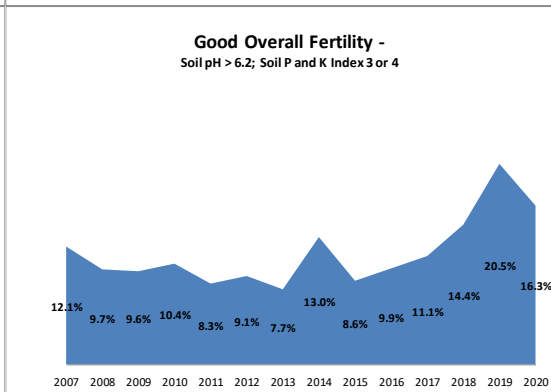
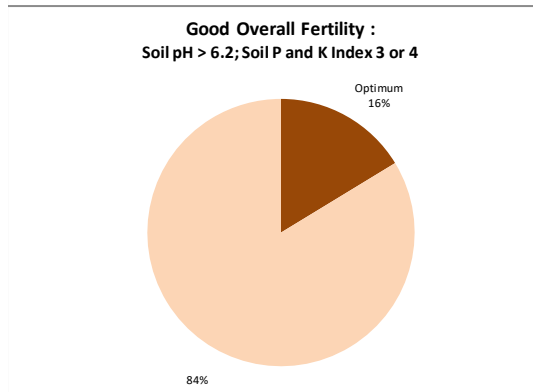
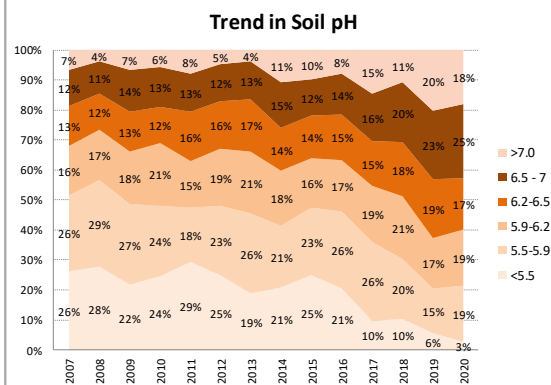
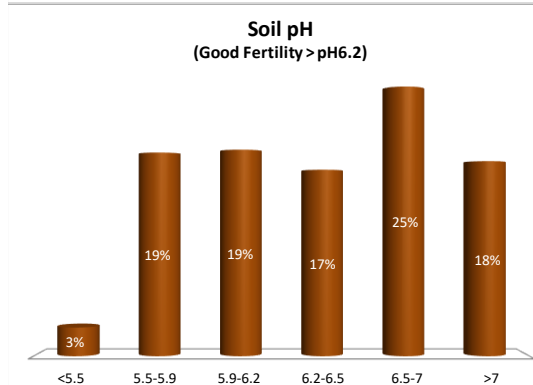
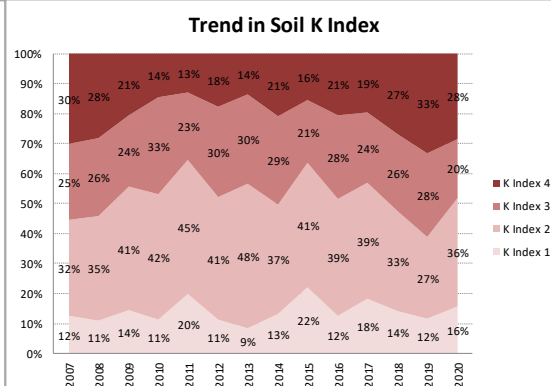
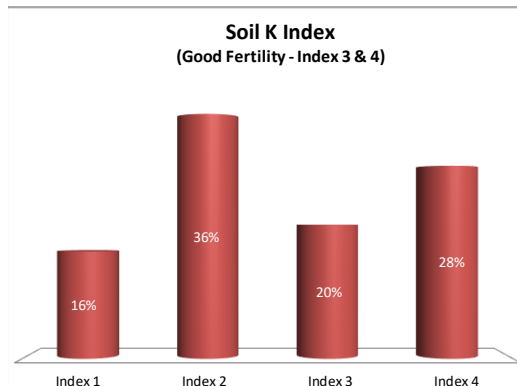
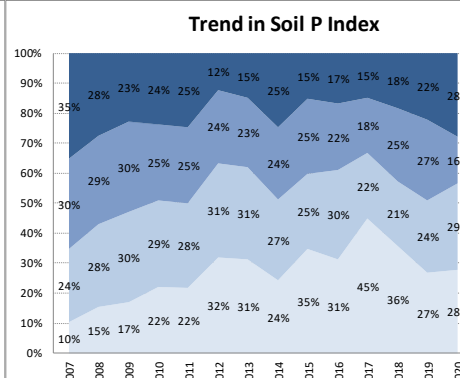
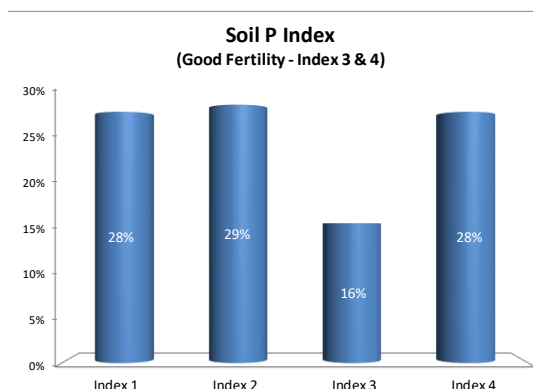
County	Tipperary
Year	2020
Enterprise	Dairy
Number of Samples	1,632



Soil Analysis Status and Trends

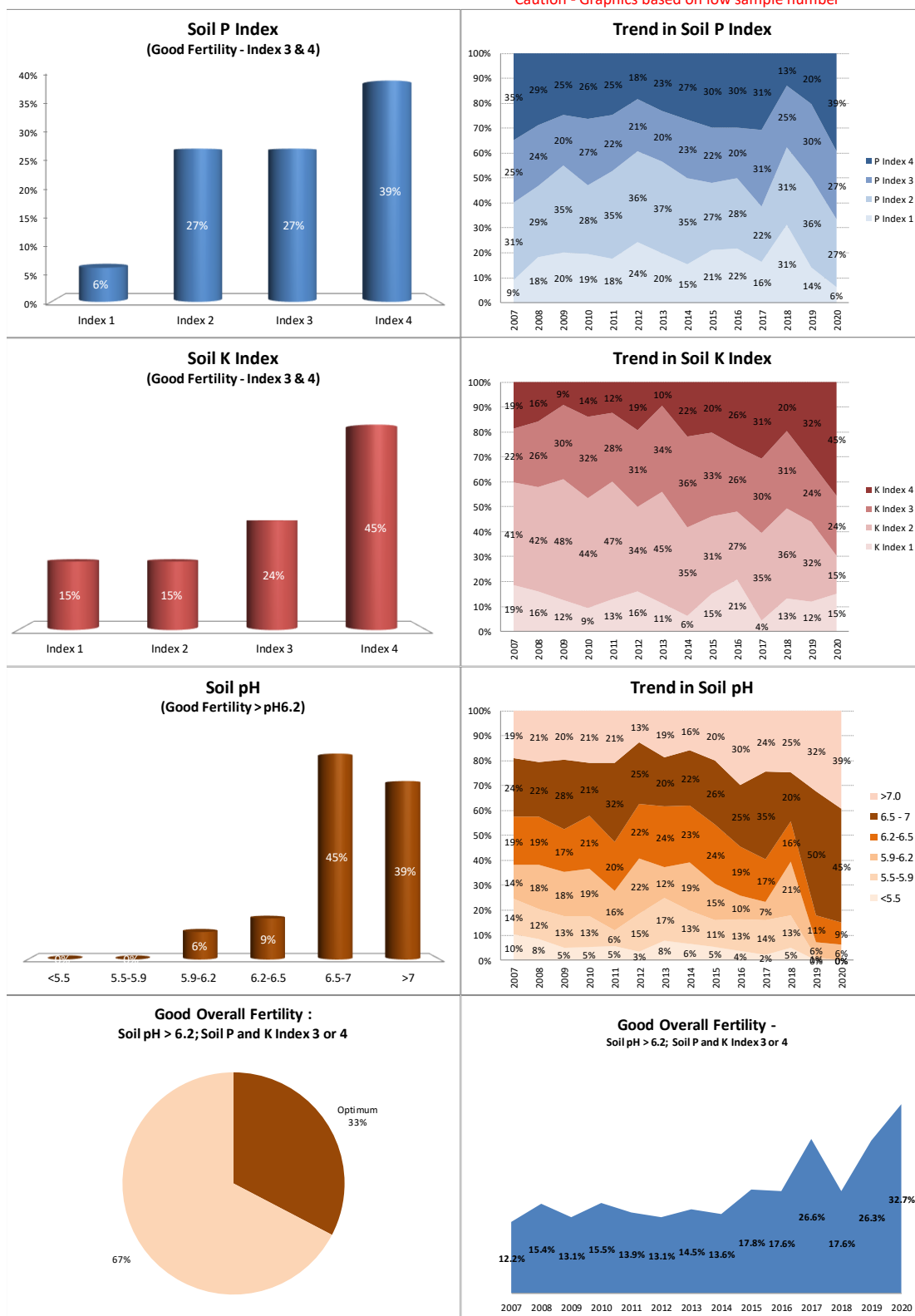
County
Year
Enterprise
Number of Samples

County	Tipperary
Year	2020
Enterprise	Drystock
Number of Samples	380

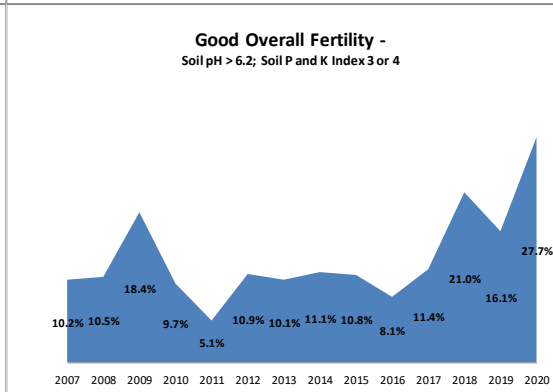
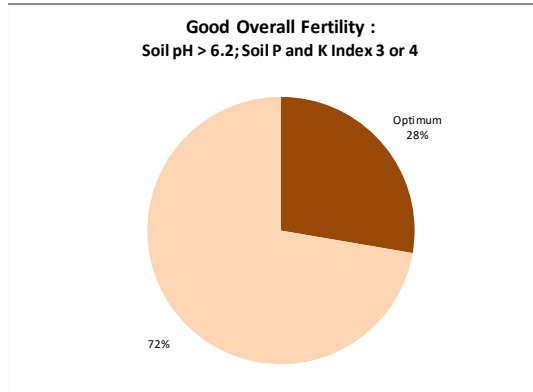
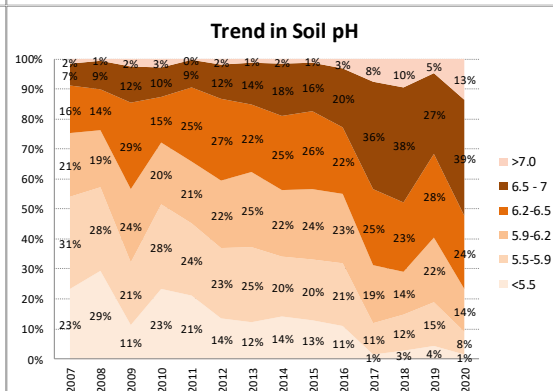
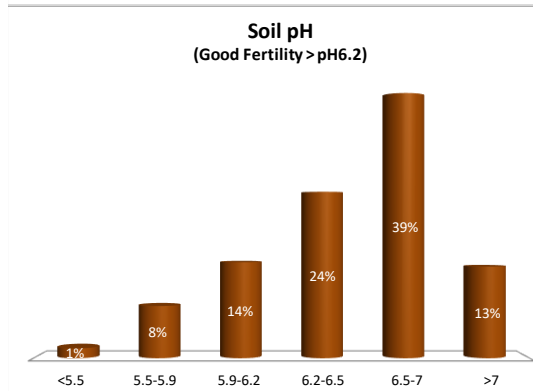
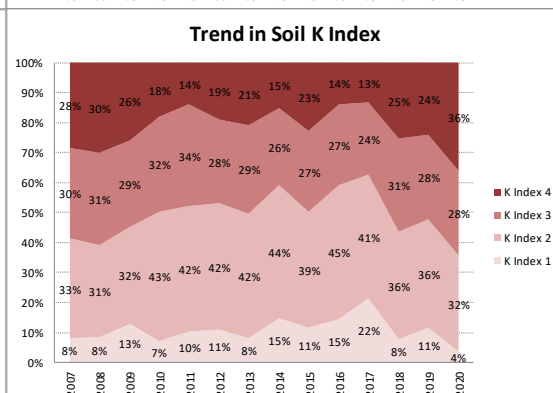
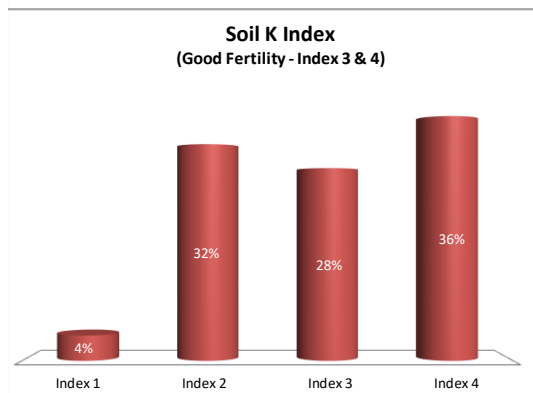
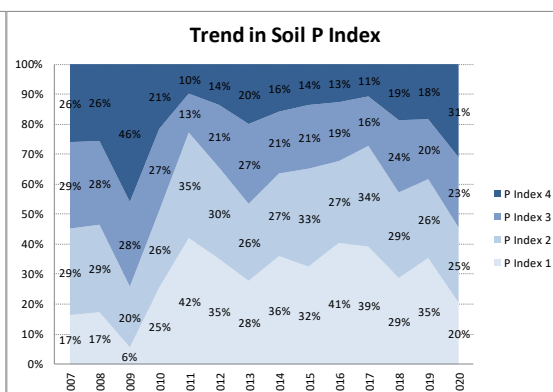
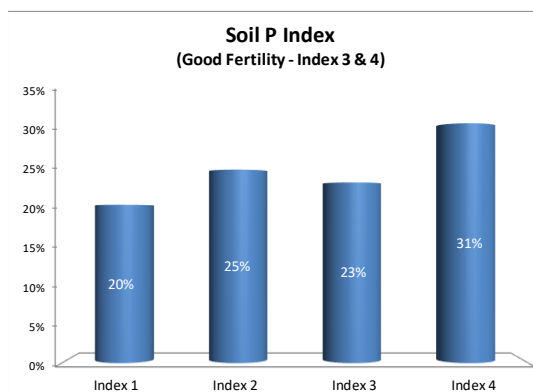


County	Tipperary
Year	2020
Enterprise	Tillage
Number of Samples	33

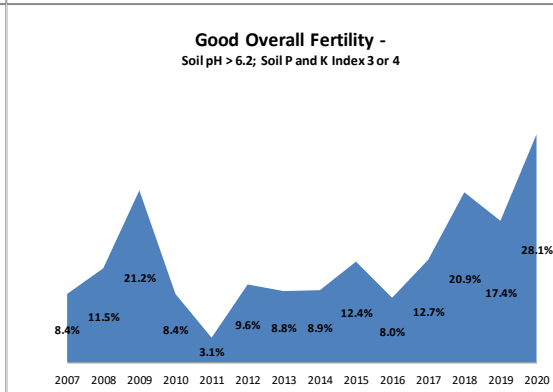
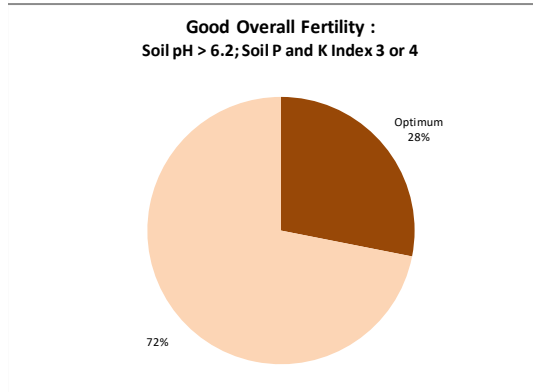
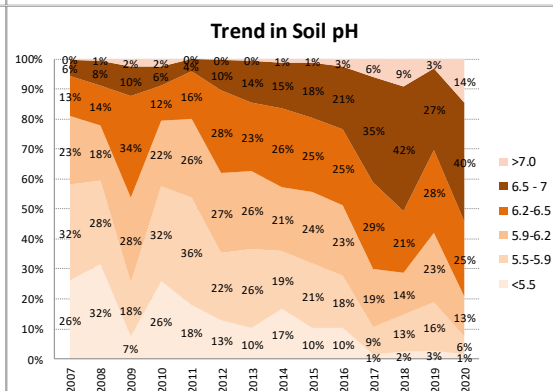
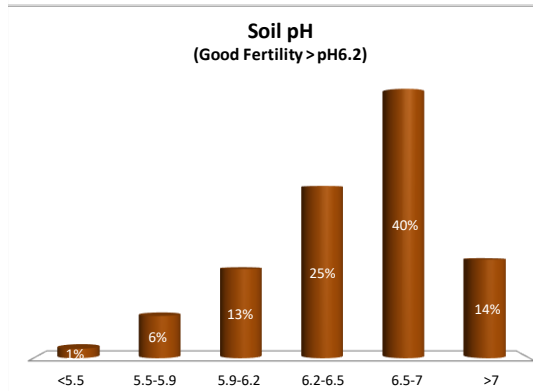
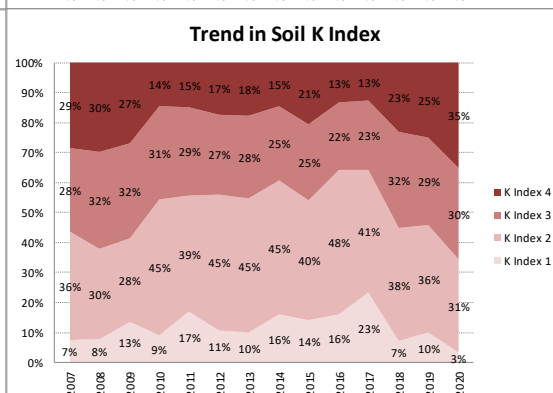
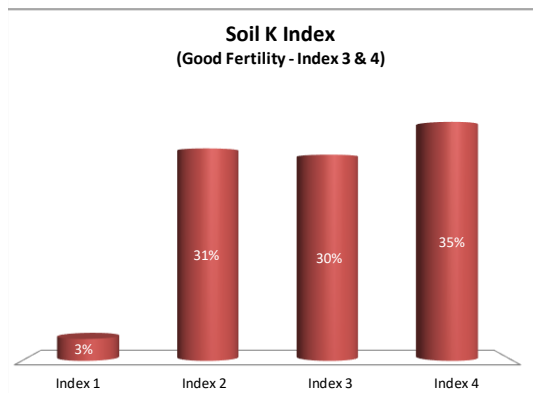
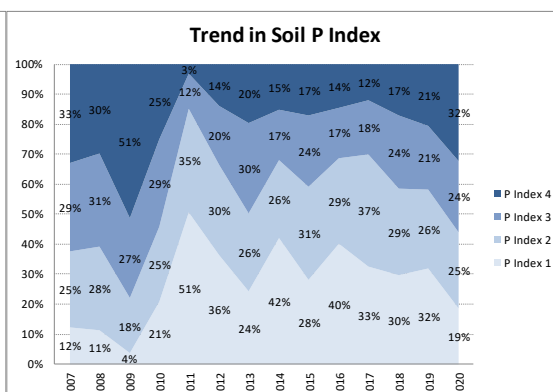
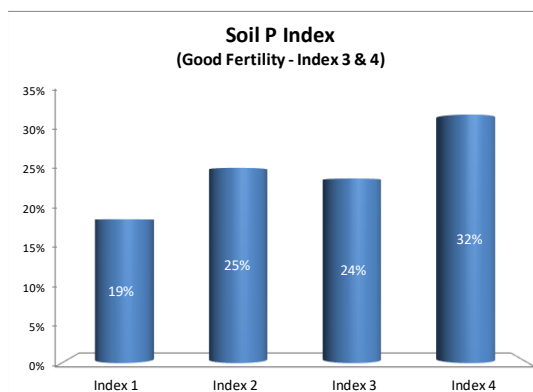
Caution - Graphics based on low sample number



County	Waterford
Year	2020
Enterprise	All Farms
Number of Samples	483



Waterford
2020
Dairy
435

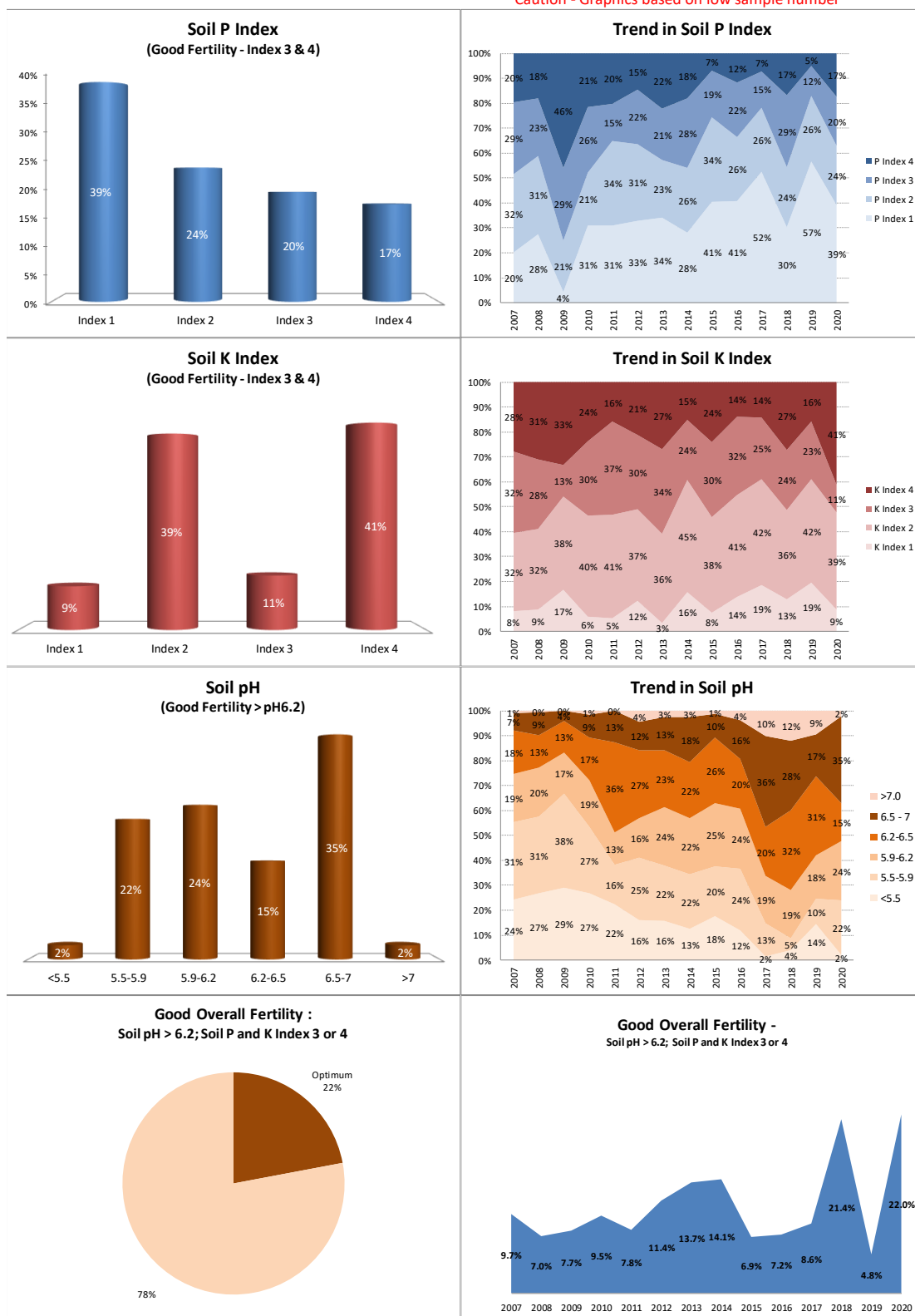


Soil Analysis Status and Trends

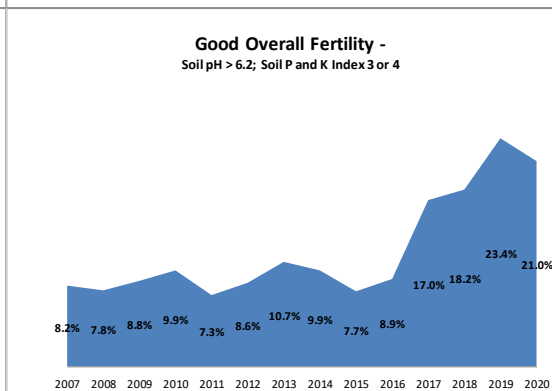
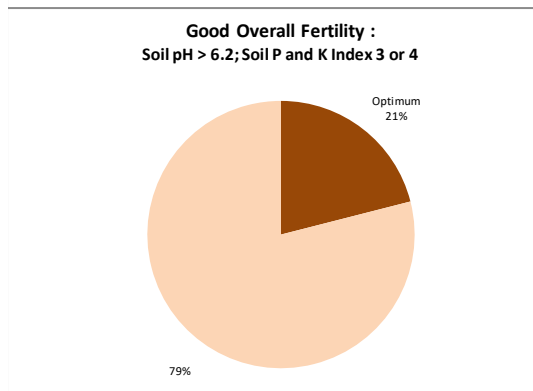
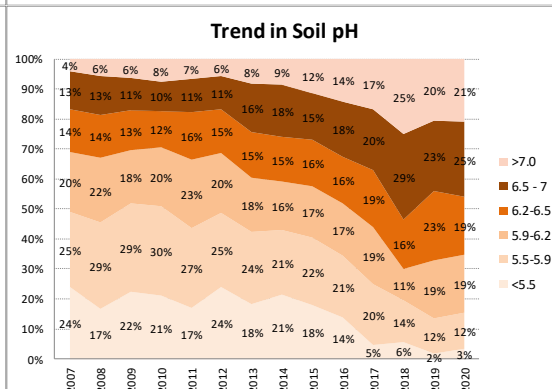
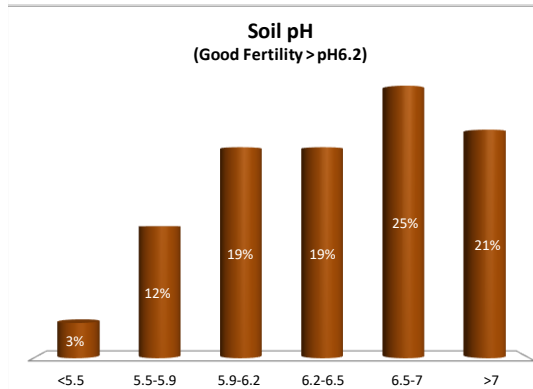
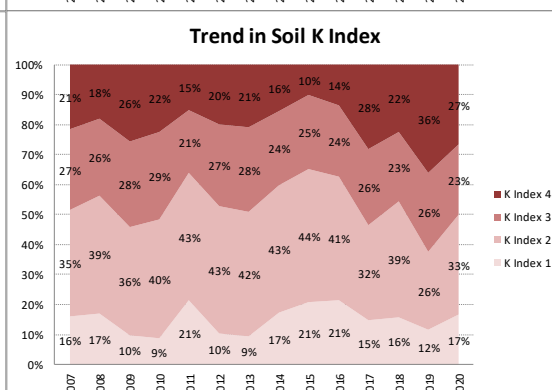
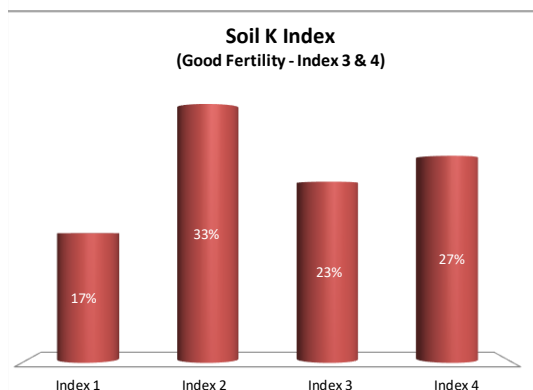
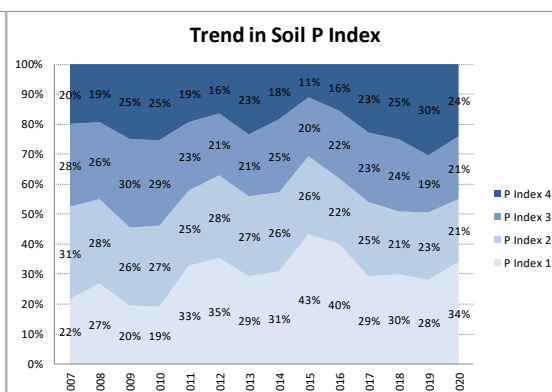
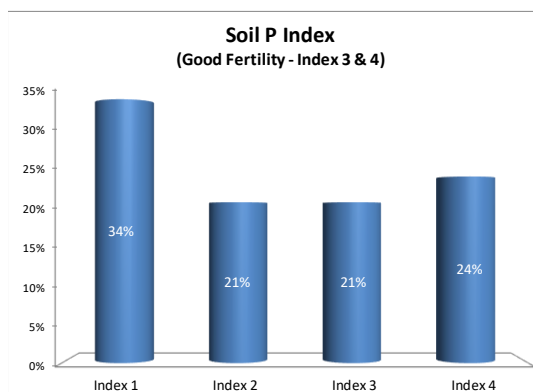
County
Year
Enterprise
Number of Samples

County	Waterford
Year	2020
Enterprise	Drystock
Number of Samples	46

Caution - Graphics based on low sample number



Westmeath
2020
All Farms
120

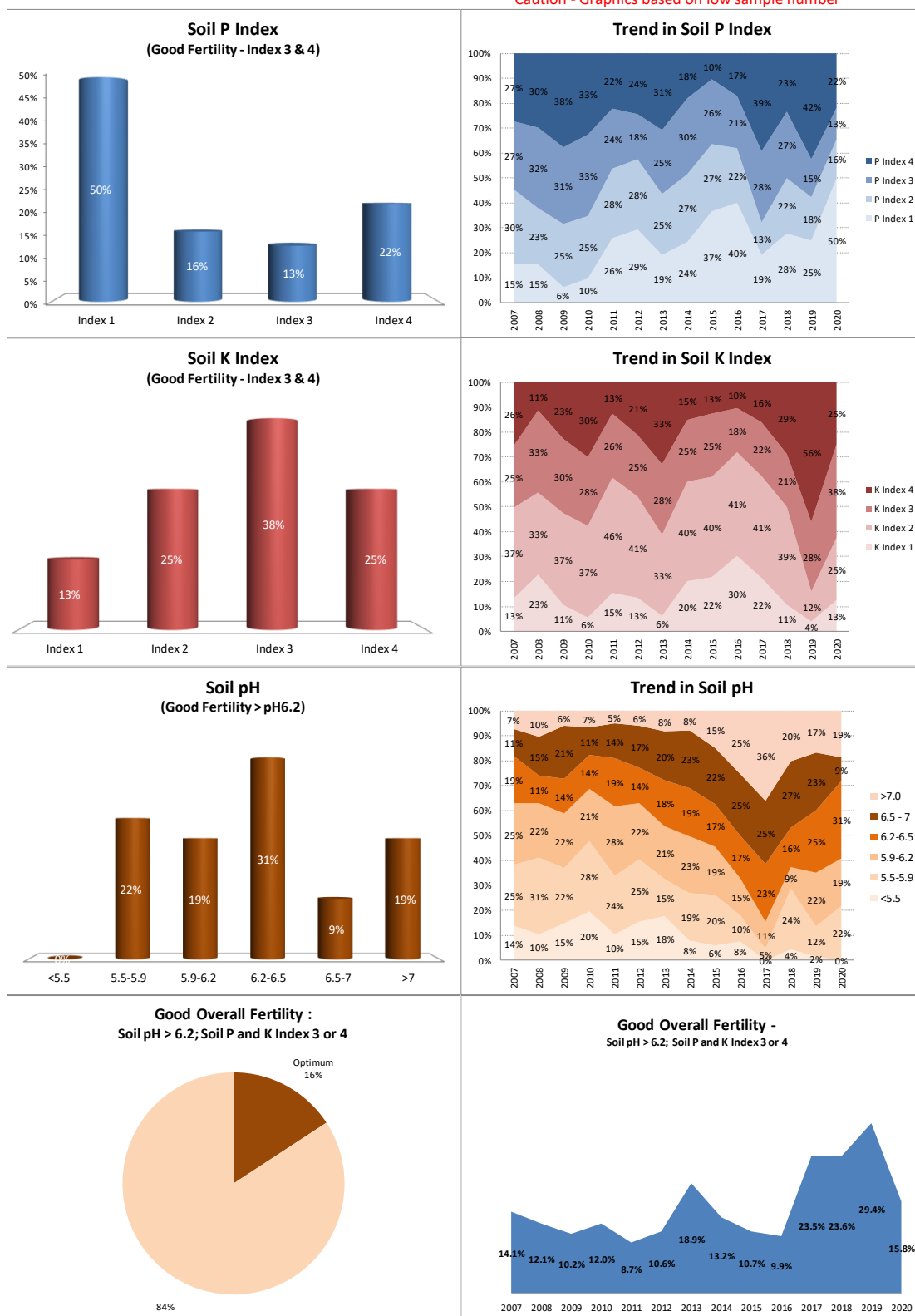


Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

Westmeath
2020
Dairy
32

Caution - Graphics based on low sample number

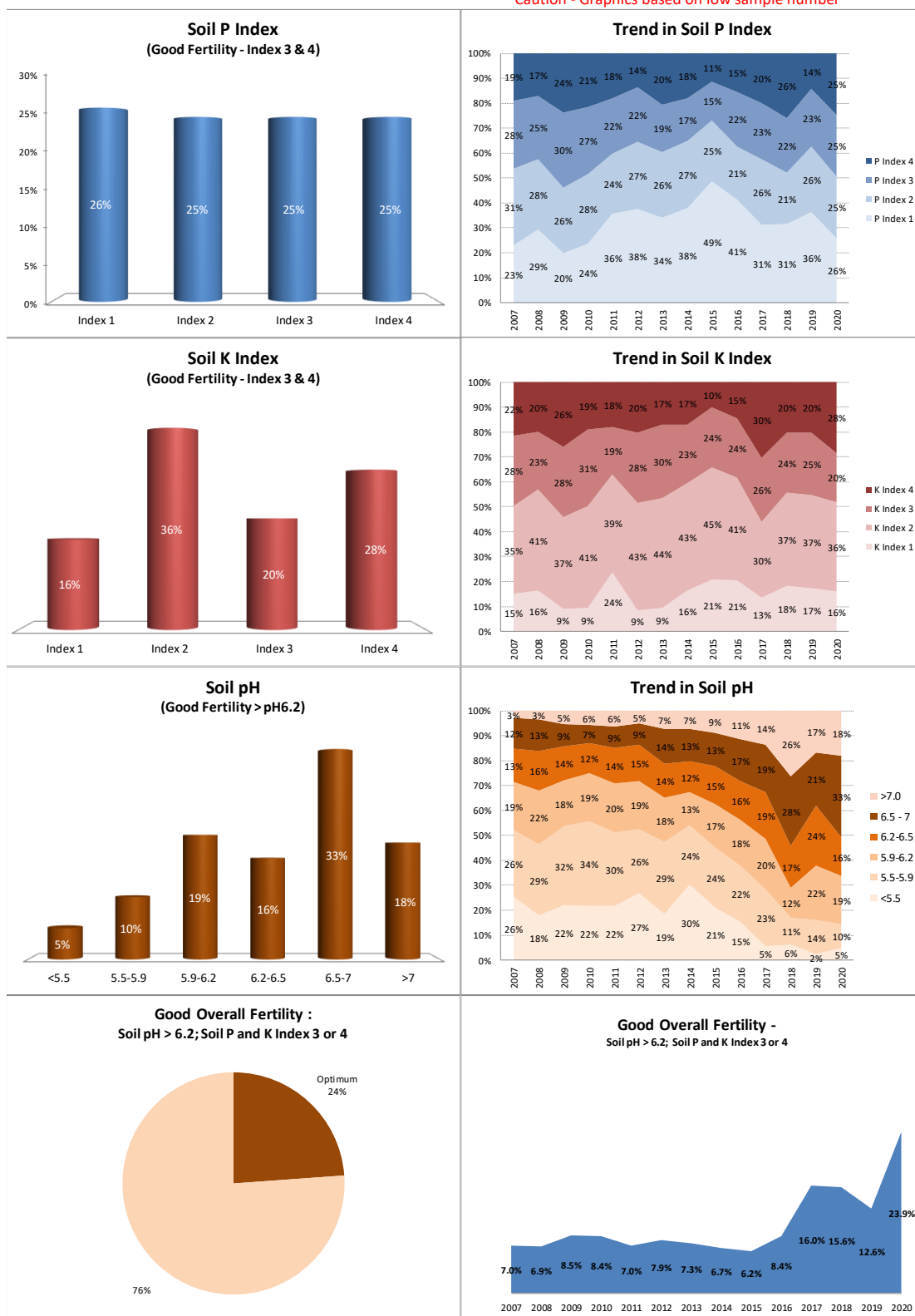


Soil Analysis Status and Trends

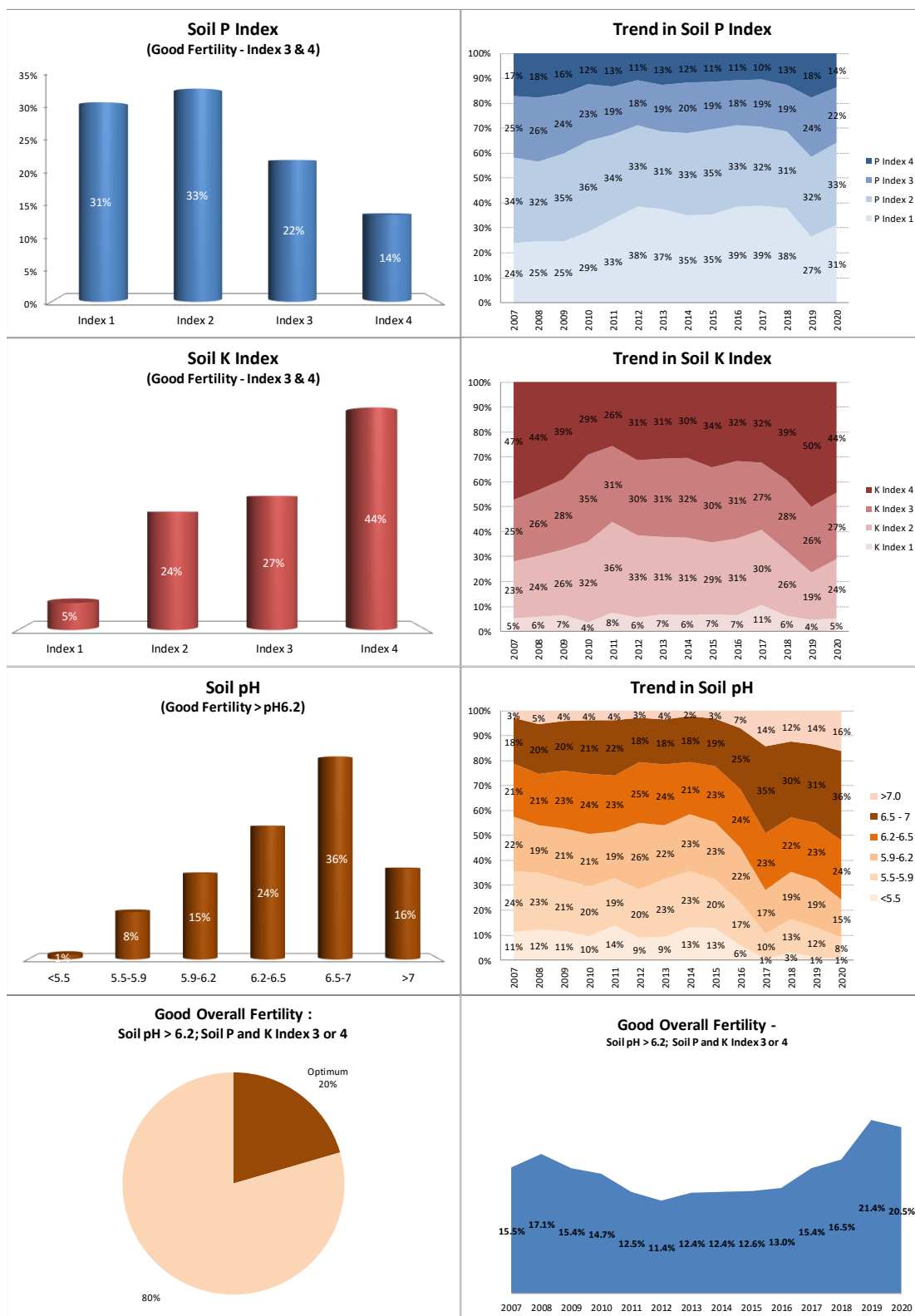
County
Year
Enterprise
Number of Samples

Westmeath
2020
Drystock
81

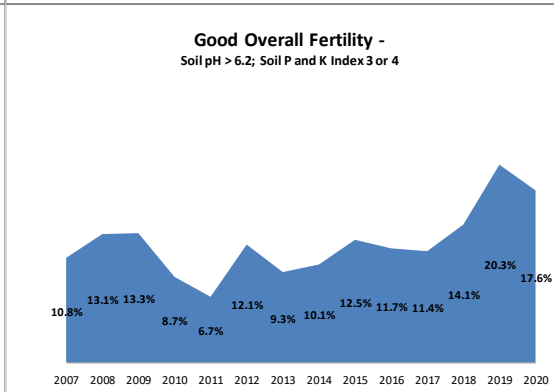
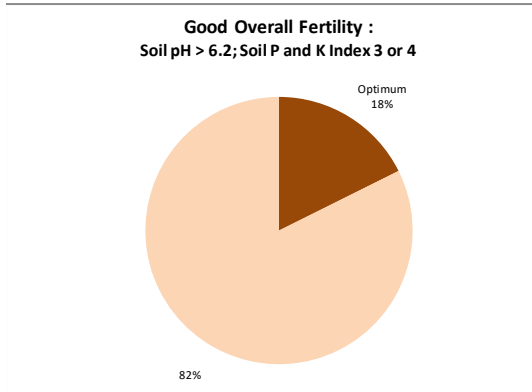
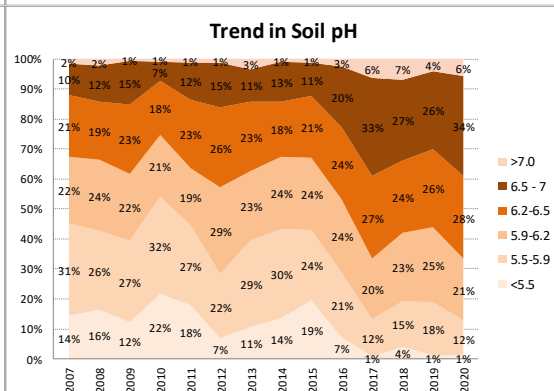
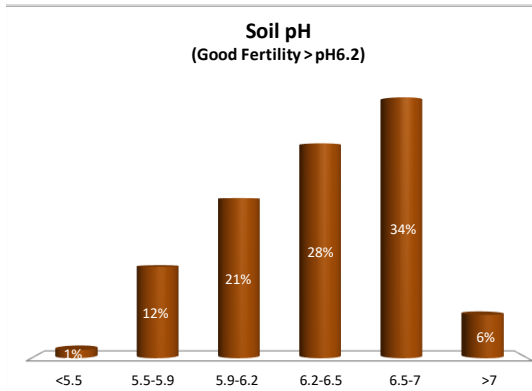
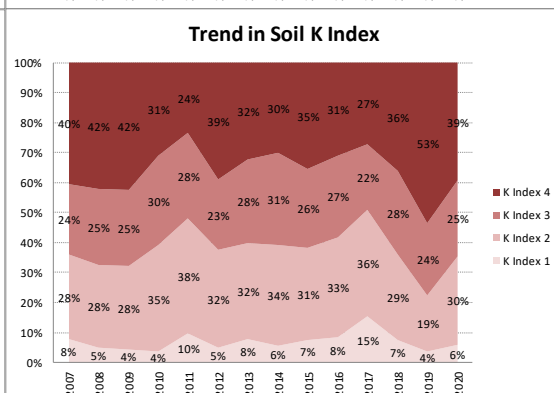
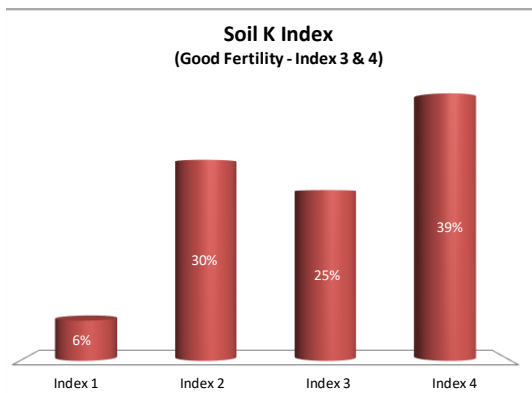
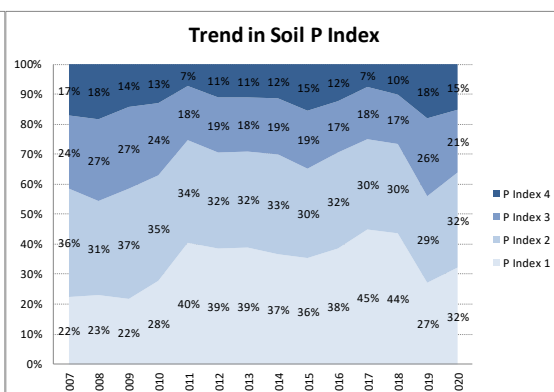
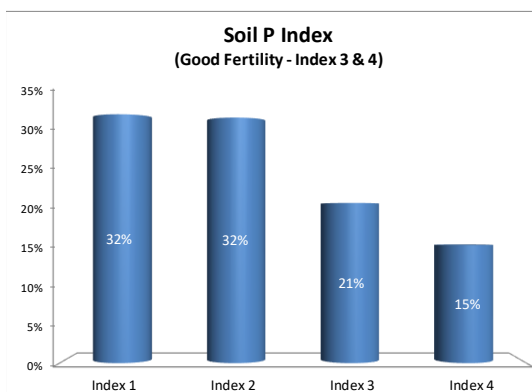
Caution - Graphics based on low sample number



Wexford
2020
All Farms
3,017



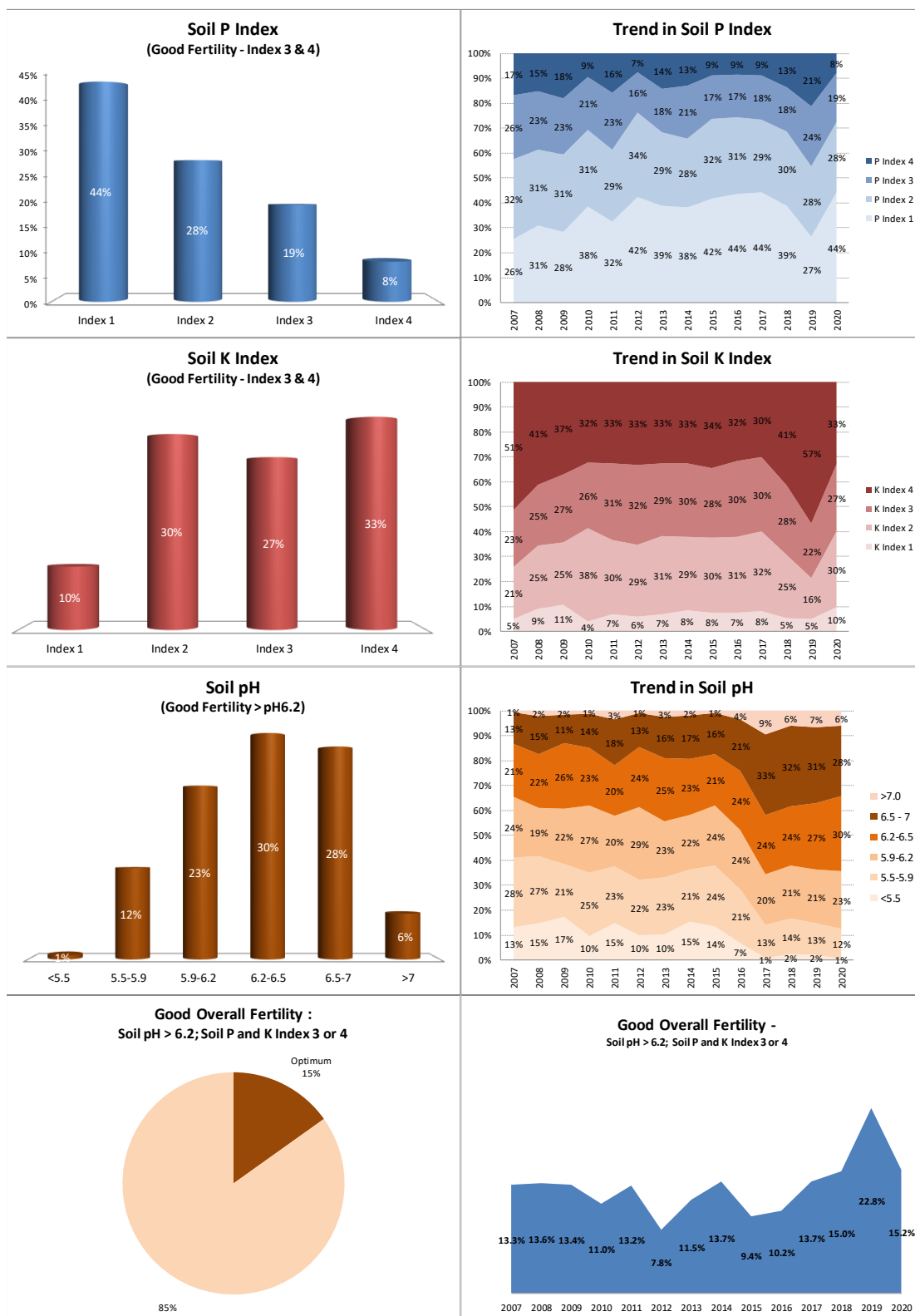
County	Wexford
Year	2020
Enterprise	Dairy
Number of Samples	1,167



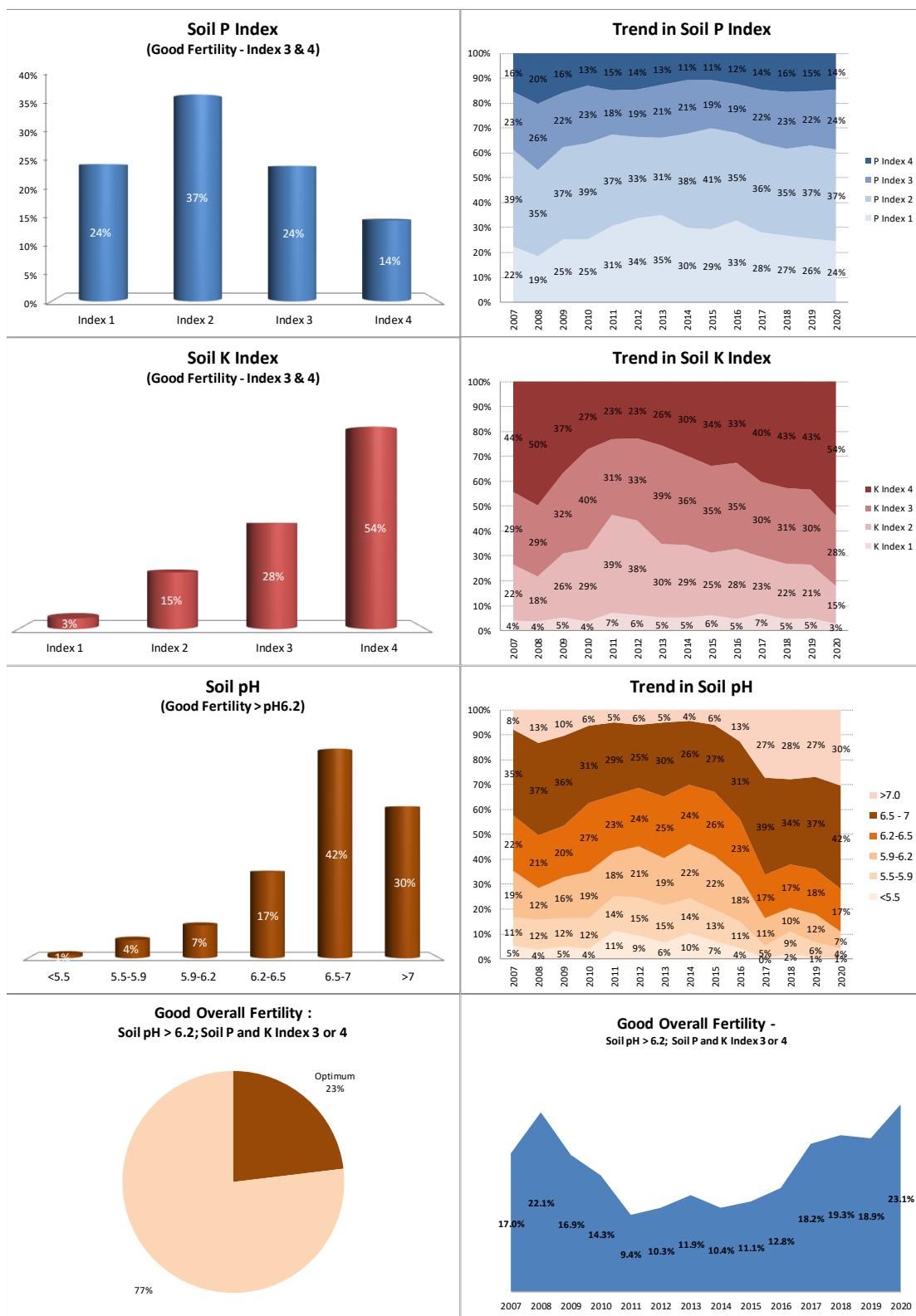
Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

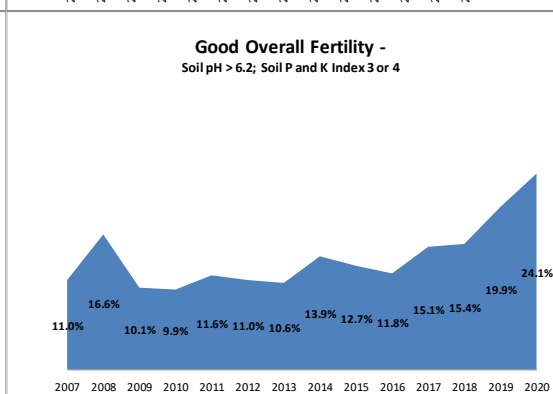
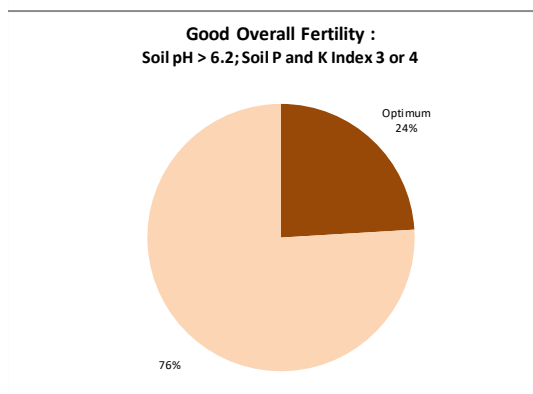
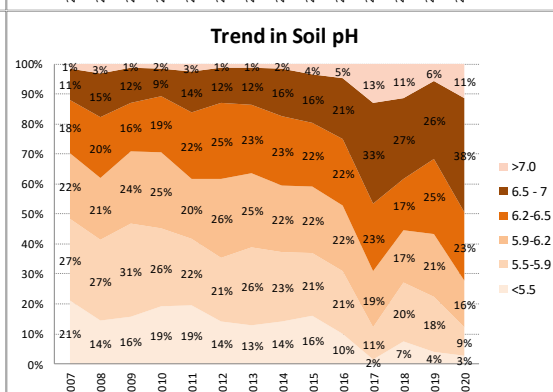
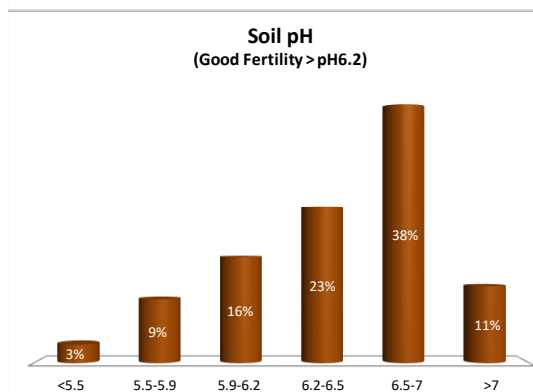
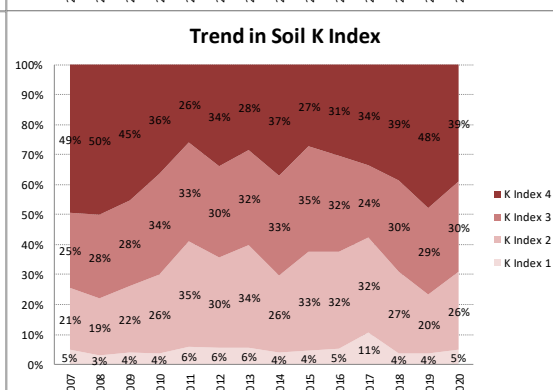
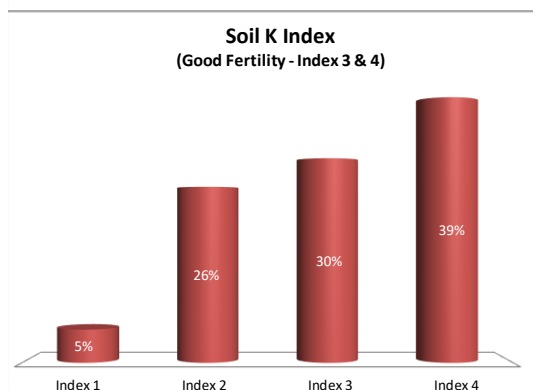
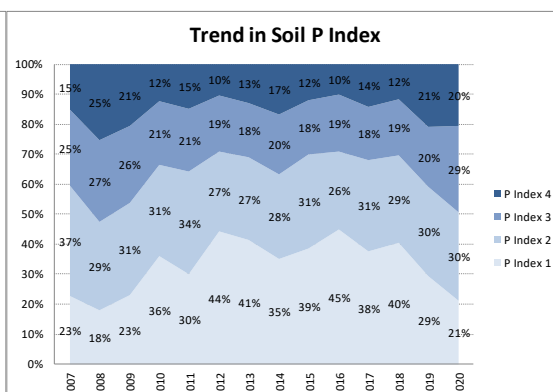
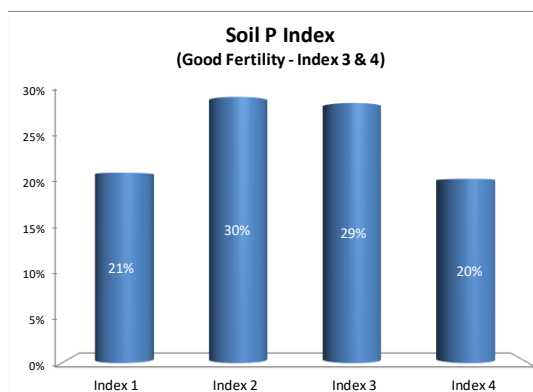
County	Wexford
Year	2020
Enterprise	Drystock
Number of Samples	560



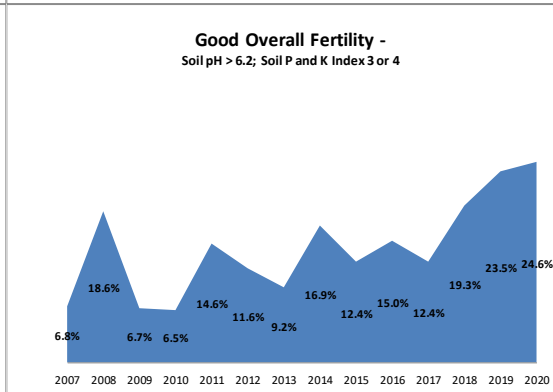
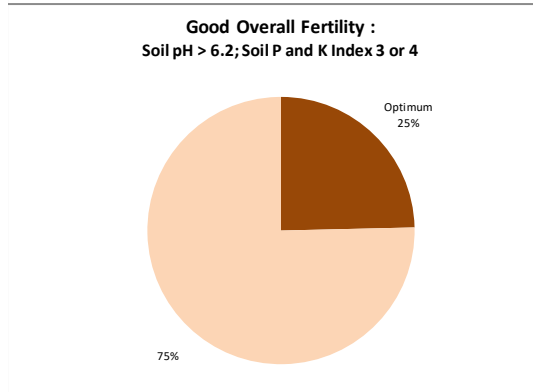
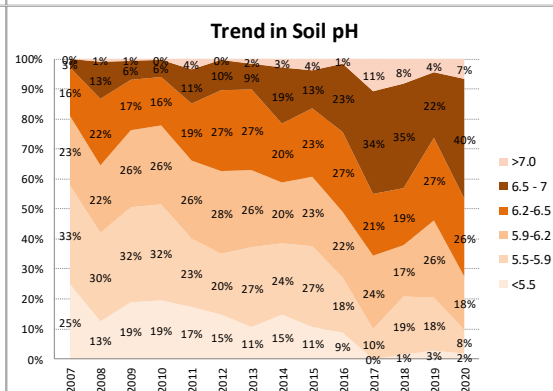
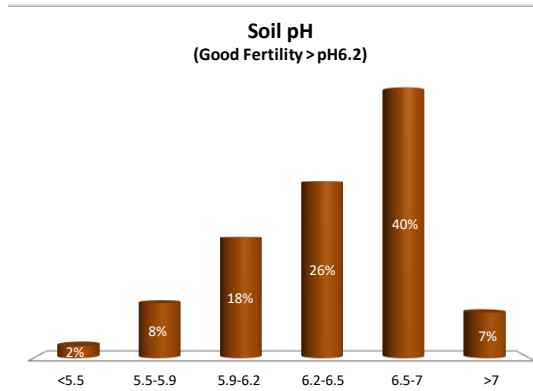
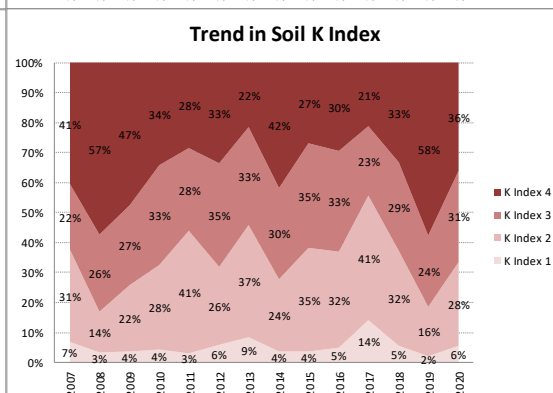
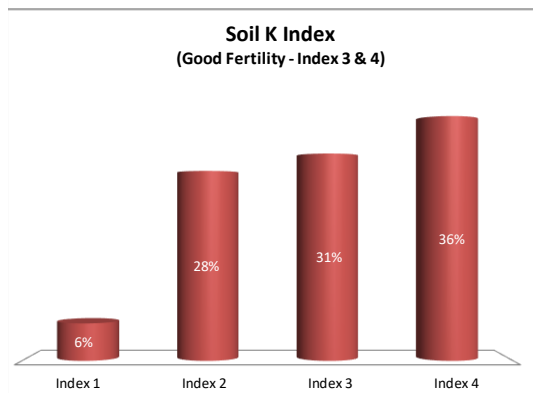
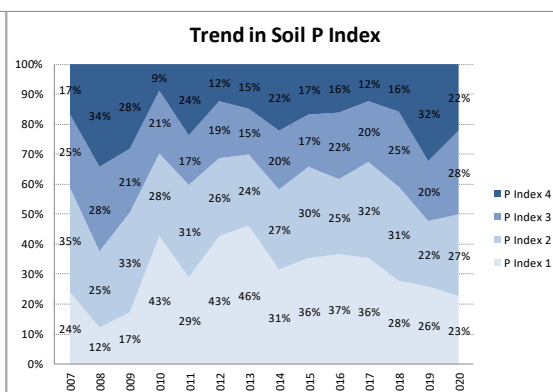
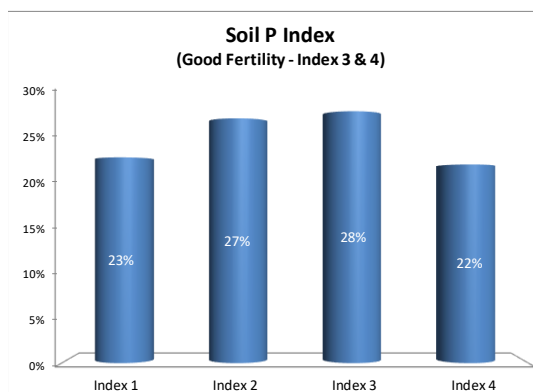
Wexford
2020
Tillage
1,266



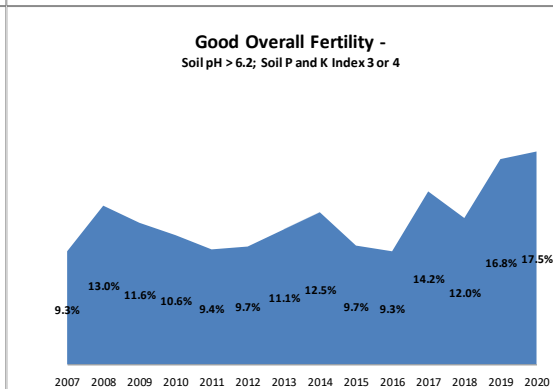
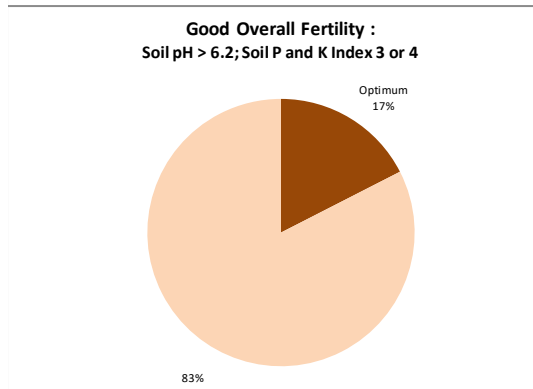
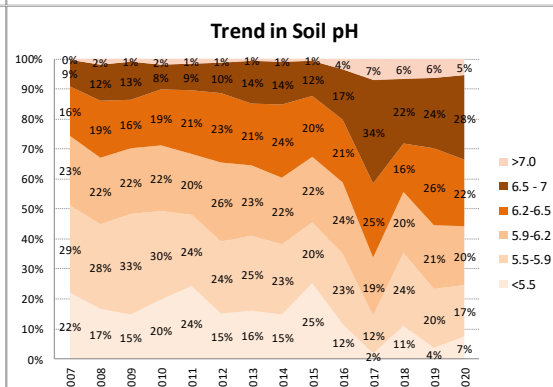
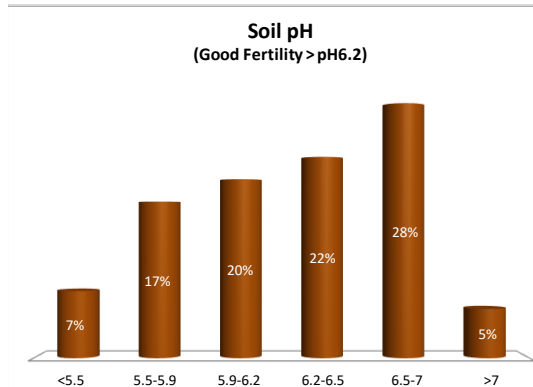
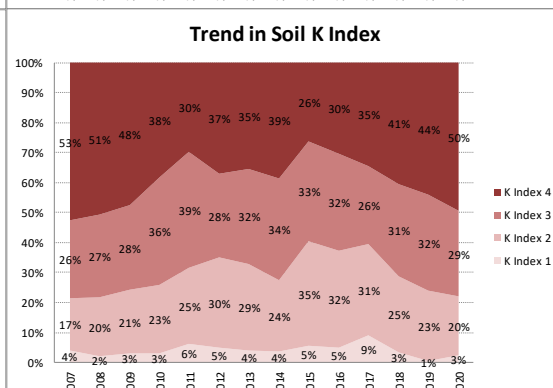
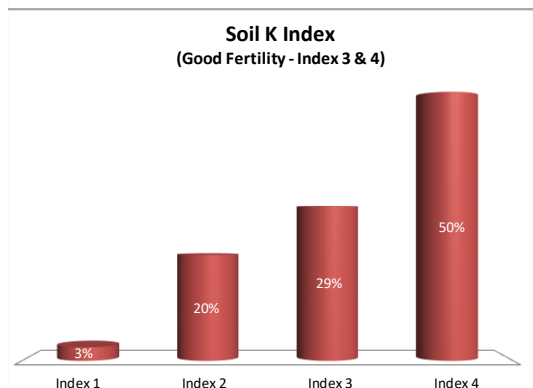
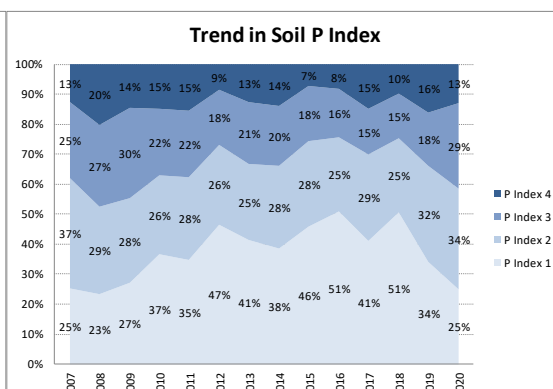
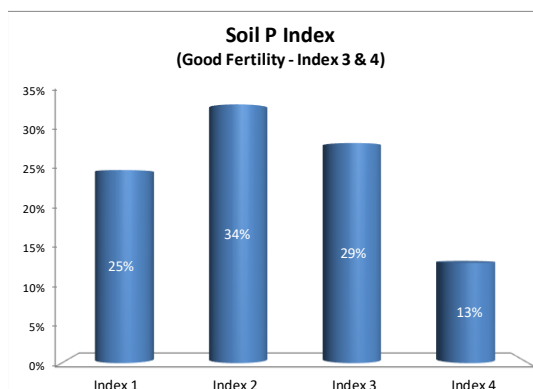
Wicklow
2020
All Farms
880



Wicklow
2020
Dairy
508



Wicklow
2020
Drystock
200



Soil Analysis Status and Trends

County
Year
Enterprise
Number of Samples

Wicklow
2020
Tillage
165

