



# Better farm programme

## Focus on Precision Farming

“How to achieve maximum field performance through Smart farming”





John Collins - Waterford






Kevin Nolan - Carlow



Derek Keeling - Dublin

Universal precision tools
<ul style="list-style-type: none"> <li>• Develop a toolkit to identify and manage soil variation</li> <li>• Focus on soil characteristics and nutrition</li> <li>• Role of organic manures &amp; catch crops</li> <li>• Measure performance against crop benchmarks</li> </ul>
 

Hi-tech precision tools
<ul style="list-style-type: none"> <li>• Use of specialist tools to aid decisions</li> <li>• Role of hi-tech precision equipment</li> <li>• Focus on crop recording and record keeping</li> <li>• Evaluate new technologies on farm</li> </ul>
  

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# Farm planning is Key to precision

Costs per ha  
Margin per ha  
Yields per ha  
Fertilizer Records  
Machinery costs per ha.



Costs per tonne  
Fertiliser plan  
Machinery plan

E-profit monitor  
Financial a/c's  
NMP online  
Machinery costs  
calculator  
Soil tests

Machinery costs  
Better Farm Average  
€315/ha  
National Average  
€335/ha



Every €100,000 spent on  
machinery adds  
€20-30/ha  
on machinery costs

Notes: \_\_\_\_\_  
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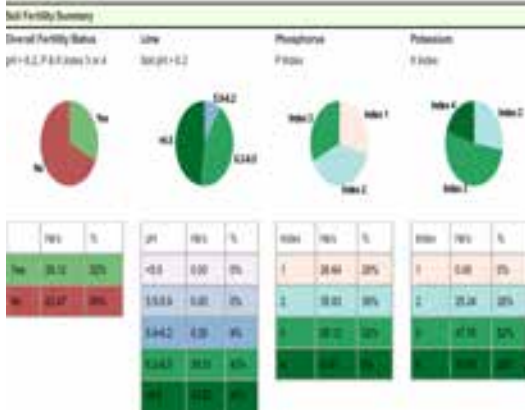
# NMP online – fertiliser planning

## Know your Soil Fertility

- pH and lime requirement
- Soil P
- Soil K
- Overall Fertility

## NMP Online Fertiliser Plan Combining

- Teagasc Recommendations
- Nutrient advice maps
- Nitrates Limits



## Soil pH and Lime Map



## Soil P Index Map



## Plan your Lime & Fertiliser to

- Build soil fertility
- Increase fertiliser efficiency
- Maximise crop yields

Notes: \_\_\_\_\_

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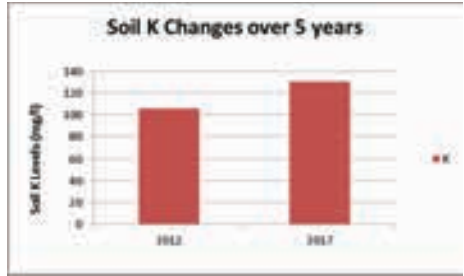
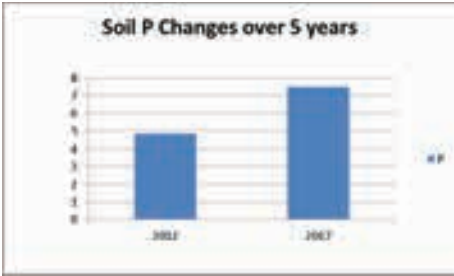
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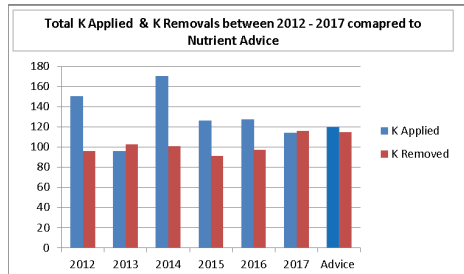
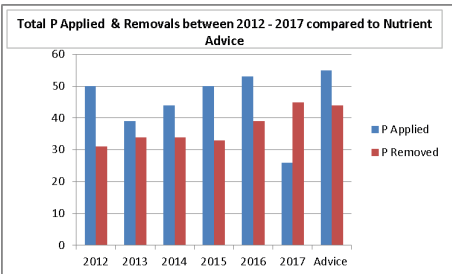


# Soil and nutrient use

## Farm Soil Fertility Changes 2013 to 2017



## Farm P & K Balances between 2012 to 2017



Waterford Better Farm

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