



Why is there a need for this work?

Increase in interest/uptake in these systems.

 Growers are dependent on research from conditions/climates different from our own.

Does climate impact on system performance?

- Soils: Organic matter, Structure, Fertility.
- GHG Emissions.
- Disease and Weed control.
- Crop Performance.
- Sustainability: Economic & Environmental.



1: Focus Study



- 21 Farms (7 Plough,7 Min-till & 7 No-till)
- Light, Medium & Heavy Soils.



2: Small Plot Trial



- Plough, Min-till & Notill.
- Teagasc Knockbeg.
- 4 Replications



Monitoring 1st Winter Wheats:

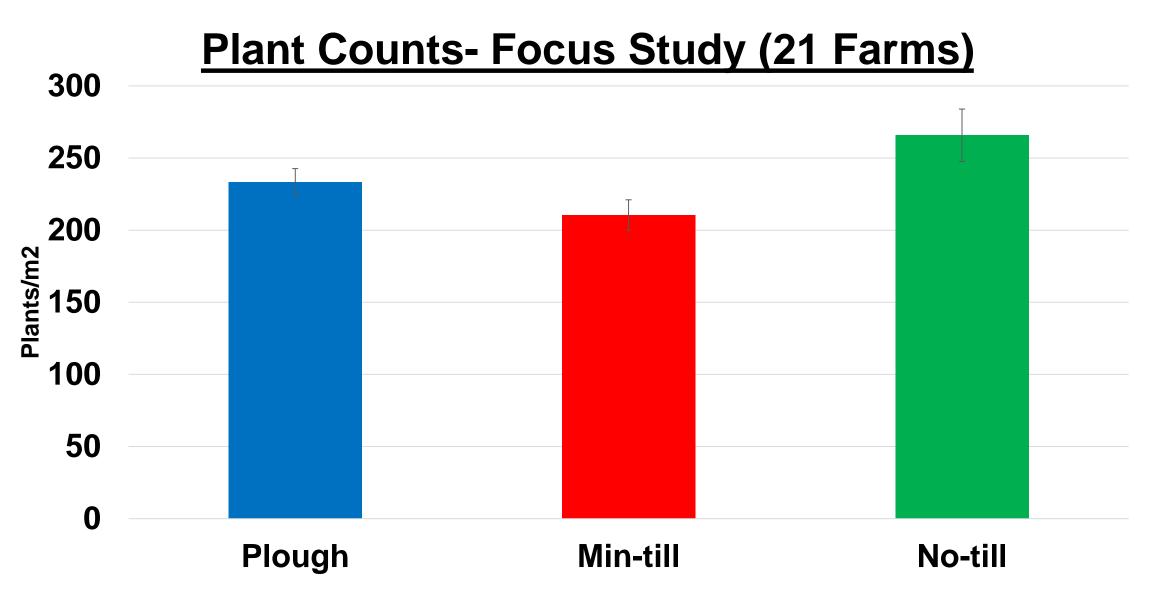
- Crop establishment, Growth, Yield components
- Management practices
- Economic & Environmental Sustainability

3: Perception Study

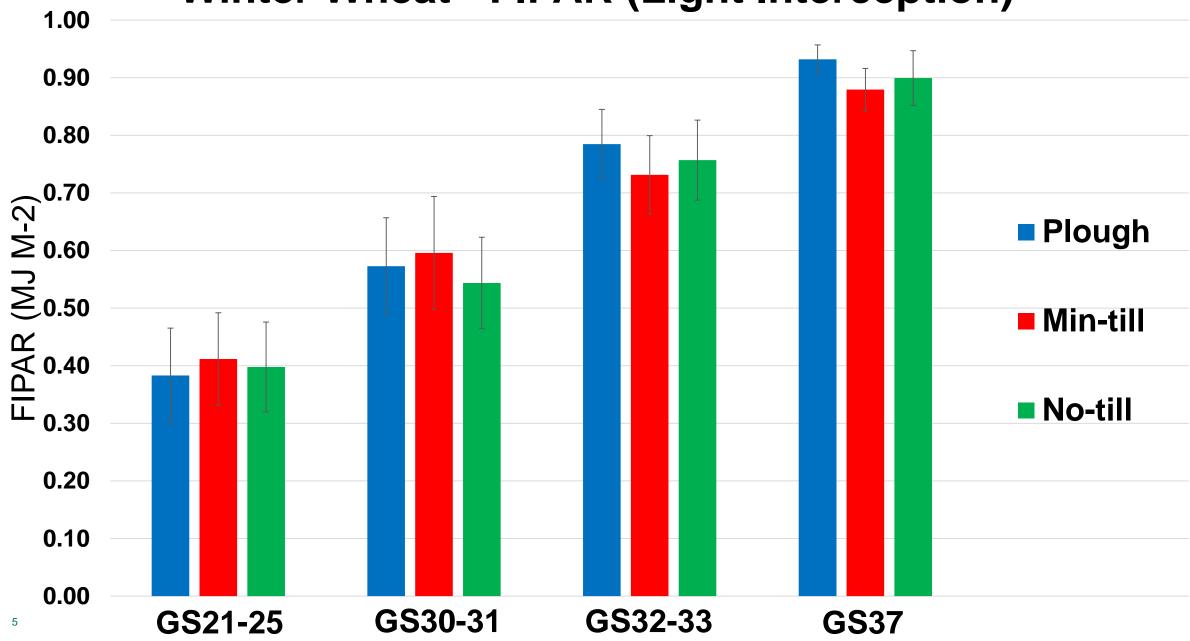


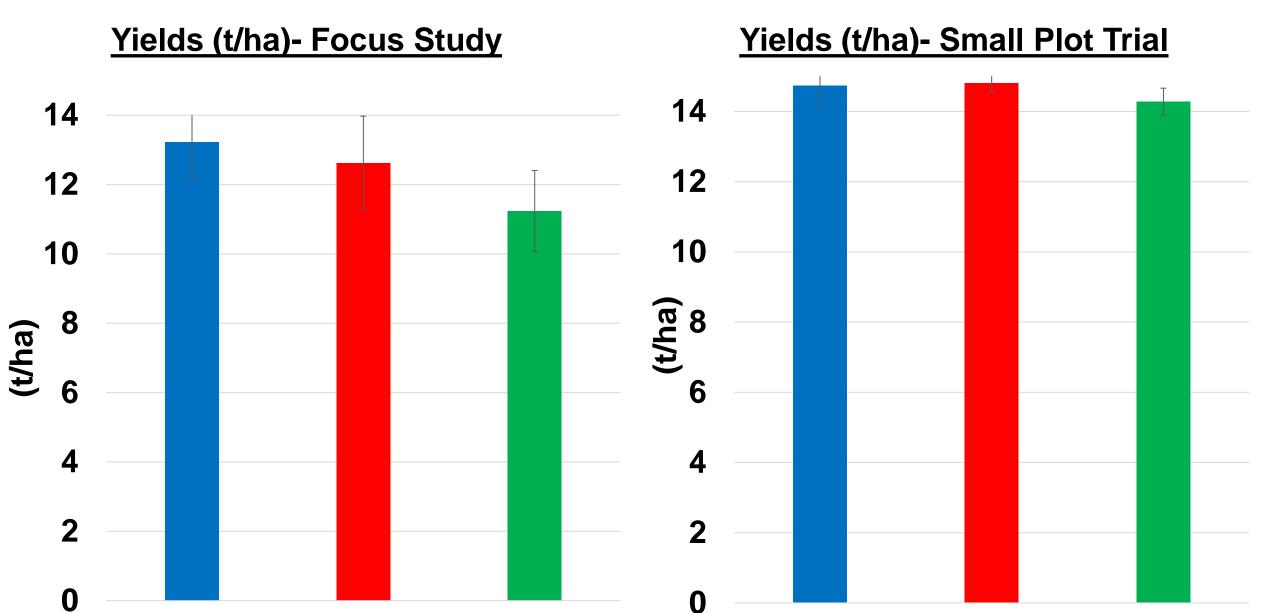
- 140 Tillage Farmers (> 50Ha.)
- Plough, Min-till, Striptill & No-Till.
- Assessing: Information Sources and Interaction Method.
- Views on how systems perform.

Preliminary Results:



Winter Wheat - FIPAR (Light Interception)





Plough

Min-till

No-till

No-till

Min-till

Plough

What impact will this work have?

1: Focus Study



2: Small Plot Trial





- Detailed system performance information.
- Simultaneous information from on-farm and small plot research.
- Better information for system change decisions.

3: Perception Study



- Source of growers information.
- How they accessed that information.
- Perceptions about these systems.
- Knowledge Gaps.
- Resource Allocation.







