Traffic and Tillage Project

This long-term field experiment was established in 2011 to investigate field traffic management strategies and tillage systems on soil condition, crop development and yield, and production economics.

Specifically the randomised and replicated factorial design will determine the relationship between:

- Conventional tyre inflation pressure (1.5 bar)
- Low tyre inflation pressure (Ultraflex at 0.7 bar)
- Controlled traffic strategies (GPS guidance and steering)
- Deep (250mm), shallow (100mm) and zero tillage systems

The aim of this study is to develop management approaches that both optimise the soil and water resource while providing excellent crop performance, competitive farm economics and reducing the environmental impact.

harper.ac.uk/tillage