

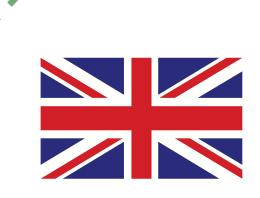




trans4num in the United Kingdom

Exploring Circular Nutrients through Field Trials

From farmyard manure to app-assisted fertiliser decisions



1. THE CHALLENGE

Can bio-based fertilisers match synthetic ones in yield and quality?

In the UK, trans4num is testing circular fertiliser strategies across several long-term field sites.







2. WHAT ARE WE TESTING?

Focus areas include:

Crop rotations and cover crops

Farmyard manure efficiency

Thallo fertiliser assessed as a renewable phosphorus source

Target crops include spring wheat, oats, and maize under both conventional and organic regimes.

3. EARLY INSIGHTS (YEAR 1)

****** Weather Challenges

Drought after spring sowing in April 2023 Excessive winter rainfall caused flooding

Preliminary assessments focused on plant biomass production; however, conclusive results are pending due to atypical weather patterns.

Early findings indicate a significant cropping system effect on annual system calorific yield.





4. WHAT IS NEXT?

 \rightarrow

- Texpanding use of bio-based fertilisers
- Linking trial data with farmer decision tools
 - Outreach planned with farmer networks and field days

5. WHY IT MATTERS?

- S Circular fertilisers reduce waste and reliance on synthetic N
- Improved nutrient efficiency supports climatesmart goals
- Decision support helps farmers implement NBS effectively



Follow



@trans4num





@trans4num

