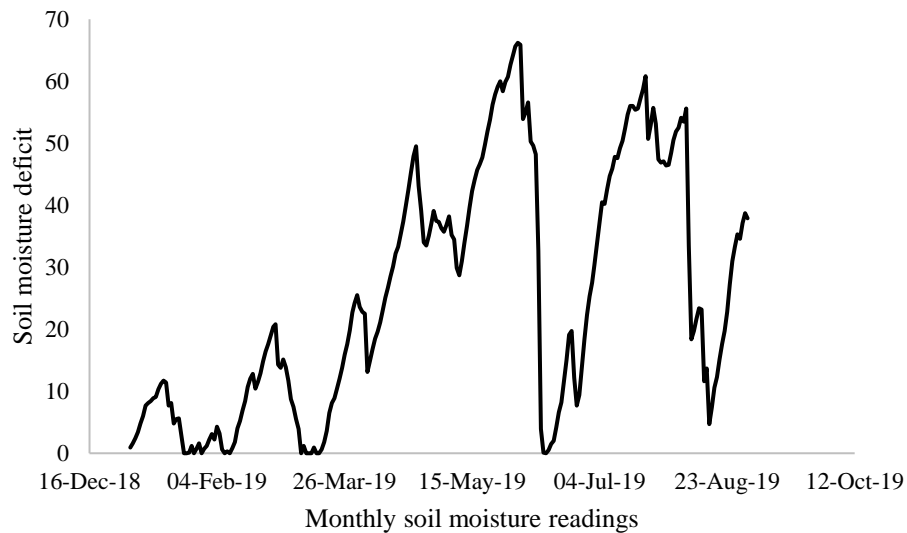


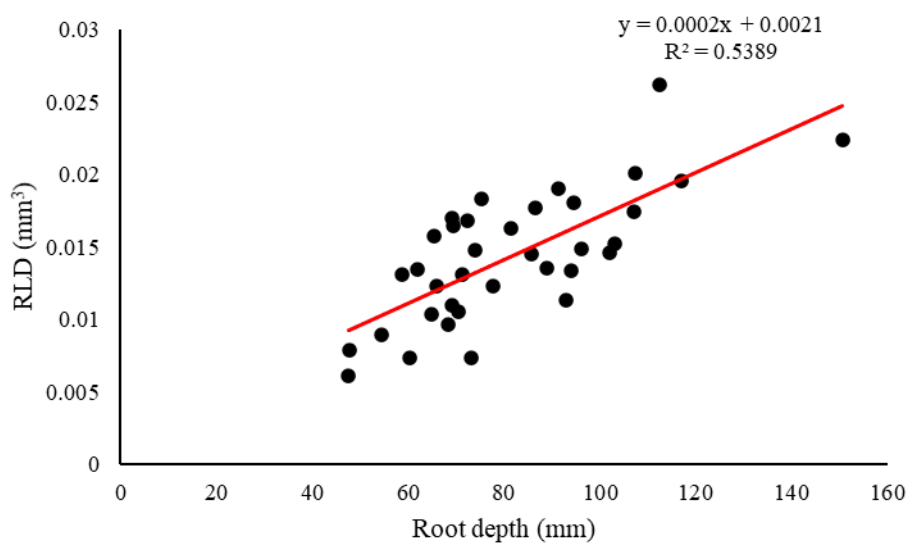
Supplementary of

## The effect of tillage depth and traffic management on soil properties and root development during two growth stages of winter wheat (*Triticum aestivum* L.)

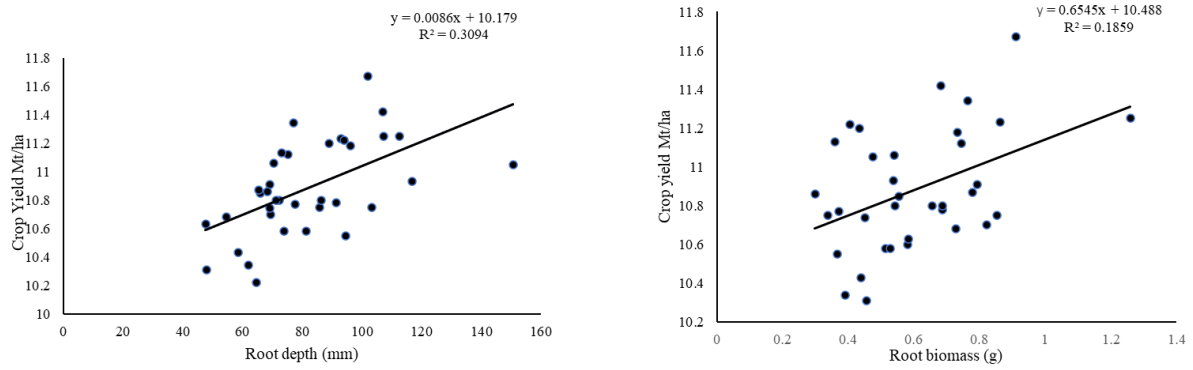
Correspondence to: David Hobson (david.hobson@ucdconnect.ie)



**Fig. S1** Soil moisture deficit model during the growth period (January-August) in Harper Adams University.



**Fig. S2:** Linear regression measuring the relationship between RLD ( $\text{mm}^3$ ) (destructive analysis) and root depth (mm) (X-ray CT).



**Figure S3:** Linear regression between crop yield (Mt/ha) and (a) Root depth and (b) root biomass as predictors of crop yield.