

Project title: Evaluation and demonstration of Ugold and Urval efficacy in field trials

Abstract:

This project will demonstrate the processing technology at two geographical sites and three different location types (workplace, mobile, public), and demonstrate the fertilising power of novel urine-derived products in field-scale trials located in peri-urban agriculture settings and in urban parklands in two different geographical areas. The project team will adapt Ugold and Urval to deliver tailored fertiliser formulations that meet specific plant and soil requirements, in order to maximise nutrient use efficiency. This activity will require an assessment of the chemical and biological properties of urine-derived fertilisers to ensure the products are safe for soil application. Additionally, the project will determine the behaviour of Ugold and Urval in the soil-plant-atmosphere system and the soil- product interactions in terms of soil physico-chemical and hydraulic properties, as well as predict the behaviour of urine-based fertilisers in soils, and the evaluation and demonstration of Ugold and Urval efficacy in field trial.

