

SILVERWOODS WASTE MANAGEMENT

Silverwoods Waste Management offers services in consultancy and environmental permitting, in-vessel composting, land spreading of industrial waste and total waste management. The business has won numerous awards including Lancashire's Rural Business, Green Business and Small Business. Silverwoods are currently managing over 350,000t/yr of a wide range of wastes including lime wastes produced from the cement industry.

PROJECT

The UK cement manufacturing industry produces approximately 100,000 tonnes of waste cement bypass dust (CBD) annually. Currently, CBD is usually disposed of in landfill, but it is increasingly being recognised for its potential to replace conventional fertilisers or lime in agriculture. This project will characterise how CBD from different sources can be used most effectively. The project will also re-assess liming recommendations, since current DEFRA recommendations for lime application may not be appropriate for all soil types. Incorrect liming locks-up nutrients that are essential for crop growth, thus negating potential agricultural benefits. The research will allow CBD to be used as a resource in farming instead being dumped as a waste-product.



RACHEL BAXTER

Rachel has a first class honours degree in Horticultural Science and Management from Myerscough College. She is aiming to develop a career in research focussing on the topics of crop science and sustainability. Rachel is hoping to gain more experience in experimental design and plant physiology over the coming years.

Lead Academic Supervisor:
Prof Ian Dodd

