



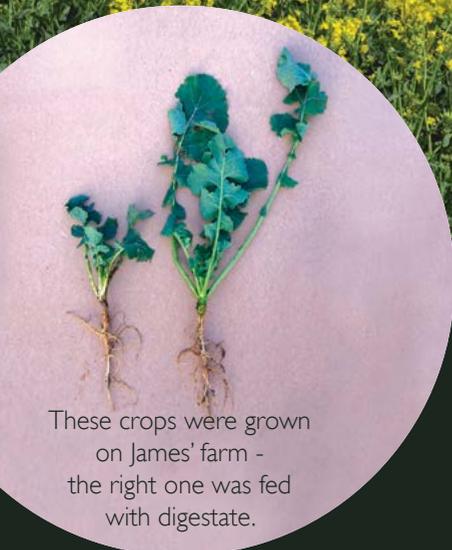
WEST OXFORDSHIRE  
DISTRICT COUNCIL

# Turn your food waste into something amazing...

Stop sending it to landfill and join the 1000's of West Oxfordshire residents recycling it in to fertiliser instead!

Woodstock farmer, James Price, pictured, has used this fertiliser, called digestate, on his crops since 2011:

“It's a really good fertiliser - we've seen excellent growth in crops since using it.”



These crops were grown on James' farm - the right one was fed with digestate.



**ALL** your food waste would be recycled at a special facility in Cassington where it is turned into a liquid fertiliser called digestate.

If you need a food waste bin, or want more information:



[www.westoxon.gov.uk/waste](http://www.westoxon.gov.uk/waste)



01993 861025

# What happens to your **food waste**

Recycling your food waste diverts it from landfill, where it rots and releases the harmful greenhouse gas methane, and instead means it can be put to good use.



**Food waste is collected weekly from homes in West Oxfordshire and is taken to an 'anaerobic digestion plant' near Cassington.**

Here it is converted into fertiliser for farmland and electricity. Anaerobic digestion involves breaking down biodegradable material using micro-organisms in the absence of oxygen.



**The food waste is all mixed together and pulped to create a thick liquid.**

This is then pasteurised for at least one hour to remove any harmful bacteria.



**The liquid food waste is then transferred to large tanks where it is continuously stirred for over 100 days. During this process gasses are released from the liquid including methane and carbon dioxide.**

Liquid waste from commercial companies such as breweries and dairies is fed into a separate underground tank.



**The methane extracted from the tanks is fed into gas engines to generate renewable electricity and heat.**

The plant uses around 12% of the electricity it produces itself, the remainder is fed into the national grid. It's estimated that Oxfordshire will generate enough power for over 4,000 homes.



**Once the gasses are removed the liquid food is now a 100% biological fertiliser which is used on local farmland.**

It is high in nutrients such as nitrogen, phosphorus and potash, required for healthy plant growth and fertile soil and replaces the need to apply artificial fertilisers to the land.