

Waste Recycling for Land Benefit

- the need for compliant, environmentally sound, cost effective operations on small islands



**ENVIRONMENTAL
CONSULTANTS**

SCIENTIFICALLY TAILORED
CONSULTANCY FOR
ENVIRONMENTAL REGULATION
AND COMPLIANCE

Our Challenge

- Assessing potential waste volumes, waste treatment options and potential real outlets for land recycling
- Make recommendations for improving compliance alongside customer demand & requirements
- Ensuring compliance with legislative and commercial controls are met and exceeded

Our Output

- Improved direction of future investment in waste treatment and recycling
- Decisions based on land manager demands and requirements
- Compliant operations for customers and stakeholders

Green waste, food waste, biosolids (treated sewage sludge), water treatment sludges and plasterboard gypsum, are just a few of a number of 'waste' treatment products produced by society. Each material has a potential value to farmers and land owners in terms of likely savings on agronomic inputs through the provision of organic matter, plant nutrients and soil conditioning benefits. But in an island situation pose a significant challenge, both financially and environmentally.

4R Environmental Consultants is working with a number of small Island Government Departments in the assessment of compliance with respect to EU waste treatment

legislation, as well as marketing the resulting products for land benefit to farmers, horticulturalists and wider land based industries. Marketing of the products for land recycling is a fundamental issue for small islands, where the sea is both a physical and financial barrier for wider reuse of materials. On each island we engage with the majority of farmers, crop and product buying groups, plus key customers to assess their needs and restrictions on use of 'waste' materials for crop and animal production. This is doubly important where products have Protected Designation of Origin (PDO) status, which must be safeguarded at all costs.



Jersey Royals benefit from compost spreading

See over for further details →

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Each individual Island Government understands the requirements for a closed loop waste treatment and recycling service, on their island. They can also see where operations may need improving, according to treatment and recycling compliance, customer demands plus end user restrictions.

Why 4R Environmental Consultants?

With a range of in-house technical and operational experience in all areas of waste treatment and recycling, plus an understanding of soil science linked to end market requirements, we are uniquely placed to carry out specialist advice and add value in many areas.

Our in depth understanding of the environment and technical aspects of recycling materials for land benefit gives us considerable advantages over other consultancy based organisations. Particularly when dealing with “waste” producers and land managers who value the use of bulky organic and lime based soil conditioning materials on their land.



4R ENVIRONMENTAL CONSULTANTS
IS PART OF THE 4R GROUP
INNOVATORS IN WASTE SCIENCE
AND RECYCLING TECHNOLOGIES

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