



**Transforming
organic residues into
renewable energy
and biofertiliser**

Bia Energy is the market leader in Ireland's organic residue to renewable gas sector.

Our mission is to accelerate Ireland's transition to clean energy by transforming organic residues into renewable fuel and nutrient rich organic fertiliser.

Our Mission

Bia Energy

Our mission is to accelerate Ireland's transition to clean energy by transforming organic residues into renewable fuel and nutrient rich fertiliser. Bia Energy leads the way in the handling and utilisation of food processing residues as well as short-dated and surplus packaged food from a multitude of sectors.

To transform food production residues into high quality biomethane and nutrient rich Bio fertiliser, Bia Energy owns and operates Ireland's largest Anaerobic Digestion (AD) plant in Huntstown, Co Dublin. Located off the M50 motorway network close to both

Dublin Port and Airport, this site, together with our tested logistics network, makes for the most effective system in Ireland. The plant has an electrical grid connection for up to 4MW and has the capacity to produce over 100GWh of biomethane per year.

**Agricultural
Innovation
with nutrient
rich organic
fertilisers**





The Benefits

Biofertiliser

A highly absorbable liquid fertiliser & soil improver that can offer substantial benefits to farmers. The product is both Bord Bia & Dept of Agriculture approved as well as being independently verified. Dry Matter of 6-8% means it is readily available to the soil & can be spread using traditional LESS machinery.

01. REDUCED COSTS

Potential for large savings on chemical fertiliser requirement. Our biofertiliser contains up to 28 units of Nitrogen, 9 units of Potassium & 11 units of Potash per 1000 Gallon application.

02. SOIL HEALTH:

Restore soil organic matter and improve soil structure, porosity, drainage, improving conditions for earthworms to thrive.

03. MICRONUTRIENTS

Biofertiliser contains a wide range of valuable micronutrients required for healthy soil microbial activity and plant growth.

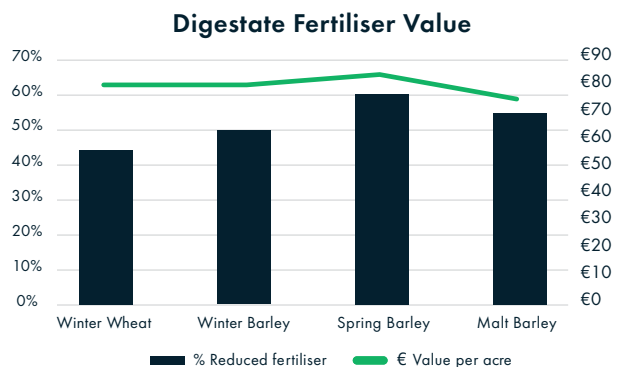
04. SUSTAINABILITY

By using local biofertiliser, it will reduce exposure to chemical fertiliser price hikes and rule changes, while also improving carbon footprint of local food production.

05. STANDARDS

Each batch of biofertiliser is precisely tested before dispatch to comply with the highest environmental & quality standards. As part of our process, all material is pasteurized before dispatch, this helps to reduce the Odour & Weed seed presence.

	% Reduced Fertiliser	€ Value Per Acre
Winter Wheat	44	80.50
Winter Barley	49	80.50
Spring Barley	60	85.00
Malt Barley	55	75.50



Our solution

We offer a comprehensive, circular solution, seamlessly transforming our customers' food and processing residues into renewable energy and nutrient-rich, organic fertiliser. In doing so, we not only provide renewable fuel to decarbonise the food supply chain, but also supply high-quality organic fertilisers to help growers kick start the cycle again.



Industry standards and best practice

Bia Energy operates to 3 key standards:

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- ISO 45001 Occupational Health & Safety Management





About Us

Our team

We are led by a highly experienced ownership and management team with unrivalled local knowledge and key relationships in both food production residues and energy sectors, as well as a storied reputation for delivering large scale change projects.

Led by Pat Loughman, a seasoned farm manager with extensive experience in biofertiliser management, and supported by our expert in AD & biofertiliser quality Dr Stephen Nolan, our team brings together unparalleled experience in maximising biofertiliser's value.

This dynamic combination ensures that we are well-equipped to address the diverse challenges and opportunities within the industry, providing exceptional solutions and forward-thinking strategies.



Dr Stephen Nolan, BAgrSc, MSc, PhD
Technical Lead



Pat Loughman, BEng
Agricultural Lead



Call

Tel: +353 1 631 6025

Email

info@biaenergy.ie