

Corporate Innovation Challenge Template

Challenge Name: Feed additives for Nitrogen Use Efficiency
Code Name: BIOECONOMYVENTURES-2022-OC1-NB_2
Challenge Domain:
<ul style="list-style-type: none"> · Agriculture · Food, Feed and Ingredients
Description of the Corporate innovation Challenge
<p>Nutribio wish to develop a new feed additive to enhance nitrogen use efficiency in pasture based dairy cows. Nitrogen use efficiency is typically lower in grazing dairy cows than in cows in confinement system, due to a relative imbalance of crude protein and rumen fermentable energy in the diet of the cow. There are number of potential modes of action to influence Nitrogen metabolism (and therefore nitrogen use efficiency) in the rumen, including (but not limited to): microbiome modulation, modification of deaminase activity, modification of urease activity, modification of urea recycling, and modification of protein and ammonia binding activity. Nutribio are looking for suitable active ingredients with activity in these areas, and wish to collaborate with suitable partners to develop and commercialise such ingredients</p>
Expected results
<p>Eventual outcome will be a fully authorised (EU feed additive regulation) nutritional additive that will ultimately achieve the following:</p> <ol style="list-style-type: none"> 1. Improved rumen nitrogen use efficiency 2. Reduced ammonia excretion from dairy cows 3. Improved whole-farm nitrogen use efficiency 4. Reduced nitrate levels in agricultural run-off and wastes
Types of Collaboration
<ol style="list-style-type: none"> 1. novel processes 2. innovative product 3. Pilot running and product testing 4. R&D opportunity

This project has received funding from the Bio-based Industries Joint Undertaking (JU) under the European Union's Horizon 2020 research and innovation programme under grant agreement No 101023260. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the Bio-based Industries Consortium

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5. New business model exploration (i.e. exclusive distribution, profit sharing, IP sharing ...)
6. Knowledge sharing and Tech Transfer

Company Information

Company Name: Nutribo Ltd.

Company information:

Nutribo is an animal nutrition premix and supplement manufacturer, based in Cork, Ireland. We supply mineral, vitamin and functional feed supplements to the Irish and international markets. Our major focus in our innovation program is to develop and deploy solutions that enhance the environmental sustainability of animal production, and reduce the spread of AMR through optimising the metabolic and immune function of the animal.

We have ongoing collaborations with research institutions and industry partners in these areas, and have an extensive route to market in Ireland and in over 40 countries globally.



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