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Project aims to harness oats' unique properties

BY COLIN LEY

h e rising footprint is at the heart of a increasing Dundee.

Designed to identify oat benefits. varieties which growers

producers is the lack of especially Beta-glucan". stability in year-to-year Oats are also "associated supply and quality, largely with a reduction in genes of 200 oat varieties due to seasonal fluctuations cholesterol levels and postin environmental factors," meal glycaemic responses". said Dr Joanne Russell, the Hutton's project lead.

robust organic-ready oat robustness cultivars, specifically adaptability," said Hutton. tailored to sustainable organic production, while thanks to its low demand also addressing some of the for nitrogen, has low emerging challenges in susceptibility to diseases, food and health security to and can cope effectively secure food against weeds." help production."

global revival, ranking Agriculture in Denmark sixth in cereal production and backed by total funding status worldwide, with UK of £495,000, the project output increasing by 19%

last year alone.

importance of oats suggest the oat market will alongside the team at as a protein-rich grow by 3.7% annually Hutton. cereal with an between now and 2032. collaboratively, project attractive low-carbon This is due to consumers' researchers will seek to new three-year Danish-led consciousness and demand research project with major for functional food, input from a team at the boosting items that are James Hutton Institute in highly nutritious and associated with health

In this context, according can commit to with greater to Hutton, oats have production confidence become the third most than is currently possible, popular cereal crop grown the project's Scottish in the UK, after wheat and involvement has been barley. This status is based boosted by a £100,000 on its qualities as a award to Hutton from the "uniquely healthy cereal Novo Nordisk Foundation, crop, rich in protein, footprint and significant "The key issue for oat minerals, and fibre, nutritional and health

"Oats are particularly well suited to organic "We will therefore focus production in northern surviving changes in on the need to develop Europe due to the crop's climate and agricultural

"It requires low inputs

Led by the Innovation Oats are experiencing a Centre for Organic will include input from the Nordic Genebank

(NordGen) and Aarhus In addition, estimates University in Denmark, Working health identify "nutritionally superior and yield-stable oat varieties" through a combination experimental and on-farm field trials across a range of diverse environments and organic management systems.

"The project brings together experts in plant genetics, agronomy, and mathematics to harness the unique properties of oats, with their low carbon benefits," said Dr Russell.

The plan is to study the and landraces that have been collected from across the Nordic region and grown for a century, each and practices.





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The research into oats will take place over three years.



KEY CEREAL: Research to 'develop robust organic-ready oat cultivars tailored to sustainable organic production' is being led by Dr Joanne Russell.

