

Voluntary Report – Voluntary - Public Distribution

Date: January 18, 2024

Report Number: AR2024-0001

Report Name: Argentina Approves GM Yeasts to Improve Bioethanol Production

Country: Argentina

Post: Buenos Aires

Report Category: Biofuels, Biotechnology and Other New Production Technologies, Biotechnology and Other New Production Technologies Addendum, Biotechnology - Plants and Animals, Cloning, MISC-Commodity, Agricultural Situation

Prepared By: Andrea Yankelevich

Approved By: Chase Mcgrath

Report Highlights:

On January 5, 2024, The Secretariat of Agriculture, Livestock and Fisheries of the Ministry of Economy authorized for the first time the commercialization of four genetically modified (GM) yeasts to enhance bioethanol production through grain fermentation. Industry supports this decision and expects it to help pave the way for a cleaner and more sustainable future in fuels.

On January 5, 2024, The Secretariat of Agriculture, Livestock and Fisheries of the Ministry of Economy authorized for the first time the commercialization of four genetically modified (GM) yeasts to enhance bioethanol production through grain fermentation. Industry supports this decision and expects it to help pave the way for a cleaner and more sustainable future in fuels.

Resolutions 3/2023 and 6/2024, published in the Official Gazette, approved the commercialization of *Saccharomyce cerevisiae* yeast strains GICC03486 (GPY10009), GICC03506 (GPY10023), GICC03578 (GPY10168), and GICC03588 (GPY00603). These strains have an improved ability to produce bioethanol from grain fermentation, as requested by DANISCO ARGENTINA S.A.

Dr. Fernando Vilella, the newly appointed Secretary of Agriculture, stated this initiative has the potential to transform Argentina's future significantly. It will focus on the bioeconomy, combining biotechnology inputs to boost bioenergy, an environmentally cleaner energy source. The utilization of these more efficient microorganisms will increase the value added at the source, improve the yield of bioethanol production, reduce transportation costs by creating higher value products than the raw feedstock grain, decrease carbon emissions, and mitigate the deterioration of transportation infrastructure.

Attachments:

No Attachments.