



Yield10 Bioscience Receives Favorable Ruling from the Argentine Biosafety Commission (CONABIA) for Company's Camelina Lines

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Three Yield10 CRISPR Genome-Edited Camelina Lines Were Determined to be Similar to Conventional Camelina Varieties and Not Subject to Regulation

WOBURN, Mass., Feb. 02, 2022 (GLOBE NEWSWIRE) -- Yield10 Bioscience, Inc. (Nasdaq:YTEN) ("Yield10" or the "Company"), an agricultural bioscience company, today announced it has received a favorable determination from the Argentine Biosafety Commission (Comisión Nacional de Biotecnología Agropecuaria or "CONABIA") for three CRISPR genome edited Camelina lines.

CONABIA conducted an evaluation of three CRISPR genome edited Camelina lines presented by Yield10 and determined that these plants are similar to conventionally bred Camelina varieties, and thus are not regulated under the biotechnology resolution No. 763/11 of the Ministry of Agriculture, Livestock and Fisheries in Argentina. CONABIA confirmed that because Yield10's edited Camelina does not contain any foreign inserted DNA, this variety can be marketed like conventionally bred Camelina which does not require any pre-market authorizations. The Company's CRISPR edited Camelina lines covered by the CONABIA ruling are E3902 as well as two distinct C3007 (BADC) Camelina lines developed by Yield10.

"This year we conducted our first field tests of conventional elite Camelina germplasm in Argentina, and now this favorable ruling from CONABIA streamlines the process for growing our CRISPR genome edited Camelina lines in Argentina as our seed scale up needs require," said Kristi Snell, Ph.D., Chief Science Officer of Yield10 Bioscience. "We are pleased to see support for biotech innovation in agriculture as we bring forward new traits to increase crop yield and introduce Camelina as a new option for growers."

Yield10 developed line E3902 and the two C3007 (BADC) Camelina lines as part of its program to identify gene targets useful for increasing oil content in oilseed crops. Yield10 researchers produced line E3902 using CRISPR genome editing to modify three genes involved in oil biosynthesis and oil turnover in Camelina. In field trials to date, the E3902 Camelina line has shown a consistent 5 percent increase in seed oil content as a percentage of seed weight over control plants. The E3902 trait represents a leading trait in Yield10's pipeline and is currently being scaled up to produce oil for sampling. The C3007 trait is at the field testing stage in Camelina and canola to evaluate its activity as a way to increase oil biosynthesis in oilseed crops. Yield10 previously cleared these Camelina lines from regulation in the U.S. under the "Am I regulated?" process administered by the U.S. Department of Agriculture Animal and Plant Health Inspection Service (USDA-APHIS).

Argentina is a prominent player in agriculture as well as aquaculture production. Soybean has become a critical crop for the country as it is expected to produce an [estimated 46 million](#) metric tons in 2022. Argentina possesses a suitable climate for Camelina, making it ideal for growing as a cover crop in rotation with soybean. CRISPR genome edited Camelina is a potentially high impact crop for Argentinian growers with good market potential for oil and meal production targeting the aquaculture market. CONABIA's favorable decision on Yield10's CRISPR genome edited Camelina lines is a significant step for Yield10's elite Camelina lines to access these markets.

About *Camelina sativa*

Camelina sativa, commonly known as Camelina or false flax, is an annual oilseed plant in the mustard family that is native to Europe. Camelina has the potential to replicate the development of modern canola from rapeseed on an accelerated timeline based on modern technologies, including genomics and genome editing. Additionally, Camelina grows on marginal lands, displays early maturation, has enhanced drought and cold tolerance, and requires fewer inputs than other oilseed crops. With social conscience and sustainability in mind, Yield10 is leveraging its innovations in Camelina to use it as a platform crop for producing low-carbon feedstock oil for renewable fuel; nutritional oil, including omega-3; high-protein meal; and PHA bioplastic.

About Yield10 Bioscience

Yield10 Bioscience, Inc. is an agricultural bioscience company that is using its differentiated trait gene discovery platform, the "Trait Factory", to develop improved Camelina varieties for the production of proprietary seed products, and to discover high value genetic traits for the agriculture and food industries. Our goals are to efficiently establish a high value seed products business based on developing superior varieties of Camelina to produce feedstock oils, nutritional oils, and PHA bioplastics, and to license our yield traits to major seed companies for commercialization in major row crops, including corn, soybean and canola. Yield10 is headquartered in Woburn, MA and has an Oilseeds Center of Excellence in Saskatoon, Canada.

For more information about the company, please visit www.yield10bio.com, or follow the Company on [Twitter](#), [Facebook](#) and [LinkedIn](#).

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Safe Harbor for Forward-Looking Statements

This press release contains forward-looking statements which are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The forward-looking statements in this release do not constitute guarantees of future performance. Investors are cautioned that statements in this press release which are not strictly historical, including, without limitation, expectations related to Yield10's Camelina lines increasing oil content, crop yield and becoming a high impact crop for Argentinian growers with good market potential for oil and meal production, the CONABIA decision being a significant step for Yield10's elite Camelina lines to

access markets, Yield10's product development and future licensing arrangements, and the overall progress of Yield10 , constitute forward-looking statements. Such forward-looking statements are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated, including the risks and uncertainties detailed in Yield10 Bioscience's filings with the Securities and Exchange Commission. Yield10 assumes no obligation to update any forward-looking information contained in this press release or with respect to the matters described herein.

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