
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16 OF
THE SECURITIES EXCHANGE ACT OF 1934

For the month of **February, 2016**

Commission File Number: **001-36187**

EVOGENE LTD.

(Translation of Registrant's Name into English)

**13 Gad Feinstein Street
Park Rehovot P.O.B 2100
Rehovot 7612002 Israel**
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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Attached hereto and incorporated by reference herein is the following exhibit:

99.1 Press Release: Evogene Discloses Positive Results in Yield Improvement Collaboration with Monsanto Utilizing Novel 'Trait-First' Methodology.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

EVOGENE LTD.
(Registrant)

Date: February 23, 2016

By: /s/ Eyal Leibovitz
Eyal Leibovitz
Chief Financial Officer

EXHIBIT INDEX

EXHIBIT NO. DESCRIPTION

99.1 Press Release: Evogene Discloses Positive Results in Yield Improvement Collaboration with Monsanto Utilizing Novel 'Trait-First' Methodology.



**Evogene Discloses Positive Results in Yield Improvement
Collaboration with Monsanto Utilizing Novel 'Trait-First' Methodology**

Results, obtained for a set of Evogene discovered genes, in testing by its key collaborator, Monsanto, demonstrate potential to achieve yield enhancement in corn and soybean.

Rehovot, Israel – February 23rd, 2016 - Evogene Ltd. (NYSE, TASE: EVGN), a leading company for the improvement of crop productivity and economics for the food, feed and biofuel industries announced today positive results from the testing of a set of the Company's discovered genes in corn and soybeans conducted this past season by its key collaborator, Monsanto. These are the first results for genes discovered and tested pursuant to a 'Trait-First' methodology implemented in the frame of the parties' on-going, multi-year collaboration which focuses on yield enhancement and abiotic stress resistance.

The new methodology, which leverages and utilizes knowledge unlocked through the collaboration, has enabled the two companies to identify and prioritize a series of key enabling traits that are expected to improve plants' overall performance leading to yield improvement, as well as the trait attributes required for achieving these key traits. The methodology implementation incorporates the synergistic application of Evogene's 'big data' integration, analysis and prediction capabilities, including gene identification and optimization for specific trait attributes and gene stacking for achieving the key enabling traits, together with Monsanto's industry leading development, validation and field trial network for testing both trait attributes and the key traits.

The positive results reported today represent a key step towards achieving the targeted plant traits for yield improvement, and confirm Evogene's computational predictions for this set of novel genes with respect to the underlying trait attributes. Further testing of these genes will now be undertaken while the parties evaluate additional previously discovered genes from the collaboration as well as new ones.



Tom Adams, VP Global Biotechnology at Monsanto stated: "Farmers throughout the world are increasingly focused on delivering better harvests to meet the demands of our planet. The ability to identify novel traits that can improve on-farm yields means that farmers can produce more on their existing farmland thus taking steps to preserve our natural habitats. Monsanto is pleased to collaborate with Evogene to continue our research to discover the specific plant improvements that can help drive on-farm yield".

Ofer Haviv, Evogene's President and CEO added: "These recent results for Evogene discovered genes from Monsanto's corn and soybean programs support Evogene's unique prediction capabilities in discovering genes that influence plant trait attributes. We look forward to our continuing joint efforts with Monsanto as we leverage both parties' assets, capabilities and expertise in further promoting positive genes in the development processes and evaluating additional genes. We expect that the collaboration will lead to breakthrough yield-enhancing products for farmers world-wide."

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About Evogene Ltd.:

Evogene (NYSE, TASE: EVGN) is a leading company for the improvement of crop productivity and economics for the food, feed and biofuel industries. The Company has strategic collaborations with world-leading agricultural companies to develop improved seed traits in relation to yield and a-biotic stress (such as tolerance to drought), and biotic stress (such as resistance to disease and nematodes), in key crops as corn, soybean, wheat and rice, and is also focused on the research and development of new products for crop protection (such as weed control). In addition, the Company has a wholly-owned subsidiary, EVOfuel, developing seeds for second generation feedstock for biodiesel. For more information, please visit www.evogene.com.

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