



## FOR IMMEDIATE RELEASE

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### **SESVANDERHAVE AND ARCADIA BIOSCIENCES ACHIEVE FIELD PERFORMANCE MILESTONE FOR NITROGEN USE EFFICIENT SUGAR BEETS**

#### **-- New Varieties Reduce Need For Nitrogen Fertilizer, Improving The Sustainability Of Sugar Beet Farming**

**DAVIS, Calif. and TIENEN, BELGIUM (JUNE 4, 2012)** – Arcadia Biosciences, Inc., an agricultural technology company focused on developing technologies and products that benefit the environment and human health, and SESVanderHave, a leading sugar beet breeding and marketing company, today announced the achievement of key field performance milestones for Nitrogen Use Efficient (NUE) sugar beets.

The companies conducted three years of field trials to assess yield performance of Arcadia's NUE technology in SESVanderHave's sugar beet varieties. Results from these trials show that experimental NUE sugar beets produce higher yields than controls under different fertilizer applications over multiple years.

"Results from the SESVanderHave field trials have been very encouraging," said Eric Rey, president and CEO of Arcadia. "These results, along with results in other crops with Arcadia licensees, will enable us to focus on the next stage of development, namely the preparation of regulatory data that will become available to all of our NUE technology licensees."

"The data we have produced with the experimental NUE sugar beets have shown a very significant potential for yield improvement under various nitrogen regimes and have indicated that in some conditions highly competitive yield could be achieved with less nitrogen input," commented Klaas Van der Woude, Research & Development Director of SESVanderHave. "We are very enthusiastic to progress the development of the technology in sugar beets rapidly, and to bring NUE seed products to support the competitiveness and sustainability of the sugar beet industry."

Yield in sugar beets is nitrogen-dependent as in many other crops, and nitrogen fertilizers constitute a significant cost to the grower. Sugar beets typically absorb only around one half of the fertilizer applied; the rest can enter ground or surface water systems, or volatilize as nitrous oxide. Successful commercialization of NUE sugar beets can help growers lower nitrogen fertilizer use while contributing to a sustainable agriculture and reducing their environmental



impact, rendering both growers and the sugar industry more competitive in all regions where beets are grown.

**About Arcadia Biosciences, Inc.**

Based in Davis, Calif., with additional facilities in Seattle, Wash. and Phoenix, Ariz., Arcadia Biosciences is an agricultural technology company focused on the development of agricultural products that improve the environment and enhance human health. For more information visit [www.arcadiabio.com](http://www.arcadiabio.com).

**About SESVanderHave**

SESVanderHave is an international market leader in the sugar beet seed industry, specialized in every aspect of the research, breeding, production, processing and marketing of sugar beet seed. Worldwide, SESVanderHave sells sugar beet varieties resulting from the continuous research and breeding process with its proprietary germplasm. Each variety represents a customized solution to the needs of a specific sugar beet market. SESVanderHave pursues a proactive policy of investments in biotechnology, modern breeding technologies and improved seed technologies to improve the performance of the sugar beet crop. Wherever sugar beets grow, SESVanderHave is present.

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