

***Agrisoma Resonance Energy Feedstock  
Powers the World's First 100% Biofuel Flight***

***Canadian developed and grown feedstock used for the production of 100% drop-in jet fuel:  
Aviation's first petroleum-free flight takes off***

October 29, 2012, Ottawa – Agrisoma Biosciences Inc. celebrates today the successful completion of the world's first flight segment on 100% renewable, drop-in biofuel, conducted by the National Research Council of Canada (NRC) using its Falcon 20 jet. The drop-in fuel was produced using Agrisoma Resonance™ Energy Feedstock, a dedicated industrial oilseed that was launched at commercial scale in 2012 across a broad region of western Canada. Resonance Energy Feedstock produces a unique industrial oil ideally suited for biofuel manufacturing. Resonance is part of a new generation of sustainable and scalable biomass crops, specially developed to provide a non-food oil that represent a step change for the renewable fuels industry, breaking the reliance on food crops to supply feedstock for biofuel manufacturing.

To date, flights on biofuels have been restricted to a 50% blend with petroleum, imposing limitations on fuel use. Using Applied Research Associates' proprietary catalytic hydrothermolysis process, oil from Resonance Energy Feedstock was converted into a fuel that represents a complete replacement for conventional jet fuel, enabling flight at 100% biofuel use, a breakthrough for the renewable fuels industry. This historic flight symbolizes a significant step not only for the aerospace industry, but also towards advancing sustainable sources of renewable energy.

"Today, I flew the world's first 100 percent biofuel flight," said Tim Leslie, NRC pilot. "We have been working hard with our partners for many months, and it is most rewarding to see it all come together. It is truly inspiring to take this step towards an eco-friendly future!"

The biofuel flowed into the engine of the Falcon 20 – one of NRC's specifically equipped jets best-suited for this challenge – as it streaked over the skies of Canada's capital. A second aircraft, the T-33, tailed the Falcon in flight and collected valuable information on the emissions generated by the biofuel. Research experts at NRC will analyze this data to better understand the environmental impact of biofuel. Preliminary results are expected to be released in the coming weeks.

"This flight represents the culmination of a significant and strategic effort within Canada to demonstrate leadership in green aviation, from the commercialization of a sustainable and scalable feedstock crop to an "at altitude" flight demonstration with real-time emissions monitoring during the flight. Agrisoma is proud to be a part of this landmark work," said Steven Fabijanski, President and CEO of Agrisoma, who was present on the tarmac. "To date, all powered flight has relied on fossil fuel. This flight changes everything: we have witnessed petroleum free aviation."

Agrisoma, a BDC Venture Capital company, has developed and commercialized Resonance Energy Feedstock in cooperation with Agriculture and Agri-Food Canada, the National Research Council and the Industrial Research Assistance Program, Mustard 21, Sustainable Development Technology Canada, the Agricultural Development Fund of the Saskatchewan Ministry of Agriculture, the Green Aviation Research and Development Network, and Genome Prairie's "Prairie Gold" project (funded by Enterprise Saskatchewan, under the provisions of the Canada-Saskatchewan Western Economic Development Partnership Agreement).

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**About Agrisoma**

Agrisoma Biosciences Inc. is a private agricultural biotechnology company using its proprietary Engineered Trait Loci (ETL) technology to commercialize a suite of industry-leading oil quality and crop improvement traits for use in energy feedstock crops. For further information about Agrisoma, its technology, collaborations and partnerships, please visit: [www.agrisoma.com](http://www.agrisoma.com).

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