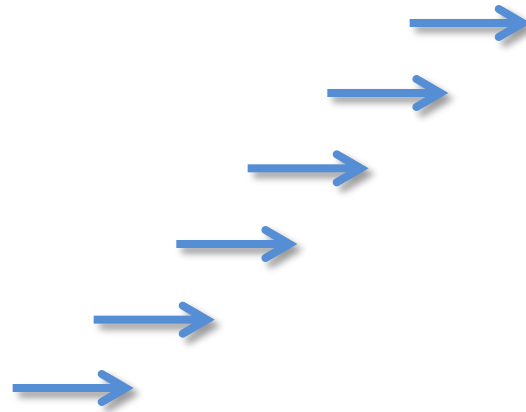


Farm, Feedstock, Fly



Creating a Biojet Value Chain Starts With Feedstock

The challenge faced by the industry is connecting the capacity of agriculture to the demand of aviation with a robust value chain



Feedstock Crop - Farming - Logistics - Processing - Fuel Manufacturing

We Are Connecting Agriculture to Aviation

- Agriculture is Scale
 - Millions of acres
 - Billions of gallons
 - Billions of tonnes CO₂ capture
- Aviation needs Scale to Achieve Global GHG Reduction Goals:
 - Carbon neutral growth from 2020
 - 50% emissions reduction by 2050
 - Industry-wide agreement
 - Biofuels provide the solution



Industrial Oilseeds: A Canadian Solution

Advanced Crop Platforms

- Non-food, “drop-in” crops that produce optimized oil in an environmentally and economically sustainable fashion

Underpin a Robust Supply Chain

- Commodity scale production of economical and efficient feedstock for biofuel manufacturing

A Winning Synergy

- Provides aviation a scalable, sustainable and economical feedstock
- Enhanced rural economics with quantifiable environmental benefits
- Utilizes existing infrastructure and capacity to get to scale



Our Resonance™ Product: Elite Crop Seeds for Growing Oil

Agrisoma Commercial Seed Production, Los Angeles, Chile



*A “drop-in” advanced crop based on
Brassica carinata*

*Commodity scale production in the
dry, hot semi-arid production zones*

*Stellar performance under harsh
environments*



Sustainable Energy Founded in Agriculture

2012 Commercial Launch: Sold Out



- Rolled out 6,700 acres of targeted commercial production within a 20+ million acre production zone
- Focus on southern prairies, typically hot and dry and challenging for food production with a large fallow land base
- Provides an excellent rotation crop for fallow land



Grower Support and Marketing: Resonance Crop Walk Series



- Farmer focused, field walks of production sites
- Opportunity to meet with the producer and see real world results
- Total summer tours reached 500 growers across two provinces



Harvest at Scale: Strong Performance and Oil Yield



Grain Harvested, Consolidated, Processed Into Feedstock and Fuel



Sustainable Energy Founded in Agriculture

Flying on Fuel Made From Resonance™ Feedstock



“particulate emissions, including aerosols of black carbon, sulphates and by-products of the combustion of aromatic compounds, are significantly lower”

In-flight trailing emissions testing in six independent flight segments using Honeywell Green Jet Fuel™ including above the 50/50 blend ratio¹

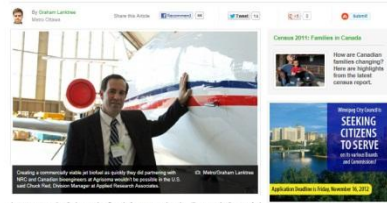
¹As reported by the National Research Council Aerospace at the Farnborough Airshow July 9, 2012

Biojet – “Above the Fold”

Canadian Biofuel Probing Experiment Is World First

FARNBOROUGH AIR SHOW » JULY 9, 2012

First biofuel powered jet flight may be windfall for Canadian economy



SKIES

CITIZEN

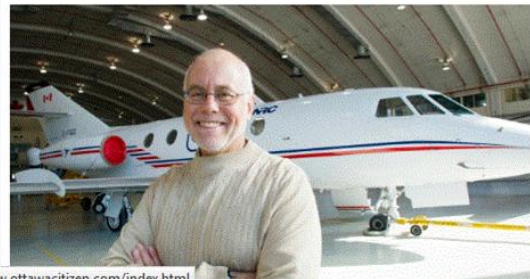
Grown in Saskatchewan, flown in Ottawa

NRC aircraft test oilseed-based fuel in search for a cleaner alternative to traditional jet fuel

BY SCOTT LARSON AND VITO PILIECI, THE OTTAWA CITIZEN MAY 21, 2012

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Canada launches first ever 100% biojet-fuelled flight

Meghan Sapp | September 24, 2012

In Canada, the first flight in the world to ever be entirely powered by biojet fuel will depart from Ottawa in late October. In partnership with Applied Research Associates and Agrisoma Biosciences, the National Research Co per cent oilseed for the cr jet will test the new jet fue used to produce the jet fu western Canada.

Green Car Congress

Energy, Technologies, Issues and Policies for Sustainable Mobility

26 September 2012

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Chevron Lumum and ARA partner with Agrisoma, US AFRL and Canada's NRC to evaluate and to flight test ReadJet 100% renewable biojet fuel

13 September 2012



FARNBOROUGH: Canada advances biofuel testing with vintage T-33 trainer

+1 Tweet

06:00 9 Jul 2012



Caninata grows in marginal soil where canola won't. It can be used in rotation with other crops or during a period when a field would normally be fallow. Chuck Red, principal engineer at ARA, estimates one acre of the plant produces 100 to 200 gallons of jet fuel.

Homegrown jet fuel

The NRC is making preparations for world's first jet flight powered entirely by plant oil, TOM SPEARS writes.

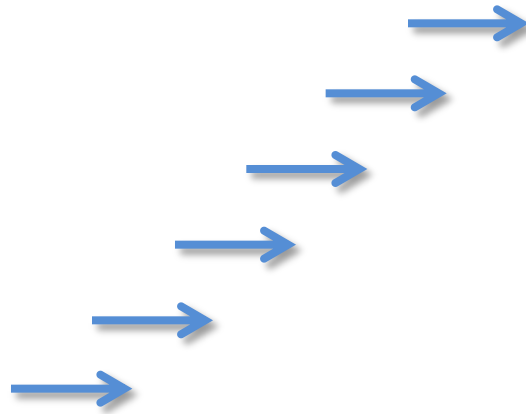
S ometime next month, a passenger jet will roar over Ottawa in the first test flight of jet fuel made entirely from plant oil. The National Research Council rolled out its plan Thursday to test the new fuel in one aircraft while a little T-33 jet will fly behind to sample and analyze pollutants in the exhaust. In one sense it's "a non-event," says NRC pilot Tim Leslie, meaning that the air-



Next month, pilot Tim Leslie will fly the National Research Council's Falcon 20 in a test of 100 per cent bio jet fuel made from plant oil.

made" at NRC is the Can in speed- of the new at could not lited States over a period of year -- here they say, "Yeah, we can do that next month," he told an audience of MPs and business reps. See FUEL on page F2

How Do We Get From Here To There?



Industrial oilseeds leverage the existing agricultural infrastructure to achieve scale and suitable economics for aviation within a secure and stable low cost chain

At present, no other potential feedstock can rely on this infrastructure to achieve scale and economics needed for financial viability

Resonance Value Chain: A Fully Developed Feedstock Supply Chain



This Value Chain is Established at Commercial Scale with Good Economics and Metrics Across the Entire Chain

Feedstock is More than Fuel

- Feedstock is about growing agriculture and using existing infrastructure to deliver scale
- Scale delivers economics and economics delivers reliable supply
- Aviation needs to work within the agricultural system to ensure access to feedstock supply
- Feedstock is an economic opportunity that can be supported at the policy and social level to create multiple benefits



There is a Scalable & Secure Feedstock Supply Chain Today



Resonance Energy Feedstock

Growing Fuel on the Farm

