Executive Summary AgSecure™
by Intero Life Sciences

AgSecure at a Glance
A highly scalable end-to-end food safety and security solution designed to protect the food supply chain and help farms achieve higher crop yields.

Scope of the Problem
The Centers for Disease Control (CDC) estimates that 40-50 million Americans get sick from foodborne illnesses, up to 128,000 are hospitalized, and nearly 3000 die every year. The cost of these illnesses has been projected to be over $15B annually.

What Gap Does AgSecure Address?
The AgSecure partnership, driven by **Intero Life Sciences**, powered by **Shimadzu**, and guided by leaders in crop sciences from the Plant Sciences Institute at **NC State University,** is the first proactive approach to food supply security and contamination/infestation detection and control. AgSecure is targeted at detecting food contamination prior to consumption by incorporating traceability and real time monitoring of foodstuffs from harvest through distribution.

Added Benefit of Proactive Detection
Current approaches are designed to be reactive and only seek to contain disease after an outbreak occurs. Since this approach does not look at contamination until food has been distributed, huge recalls are required for containment.

AgSecure's **proactive solution** would prevent contaminated foodstuffs from entering the supply chain. A suspected contaminated shipment would be flagged for further inspection and testing using state of the art imaging, sensor, and laboratory evaluations. If contamination can be identified prior to aggregation, the granularity of the data would facilitate source control and decontamination at a more manageable scale than is achieved today.

Market Opportunity
The US bio-detection market totalled over **$2.5B** in 2016. The majority of this market is comprised of crop and animal agriculture, food, and human health.

Contact Intero Life Sciences for more information:

Phone: 919-391-8437
Email: sales@interolifesciences.com
www.interolifesciences.com