



# Data Landscape Mapping in Agricultural Supply Chains

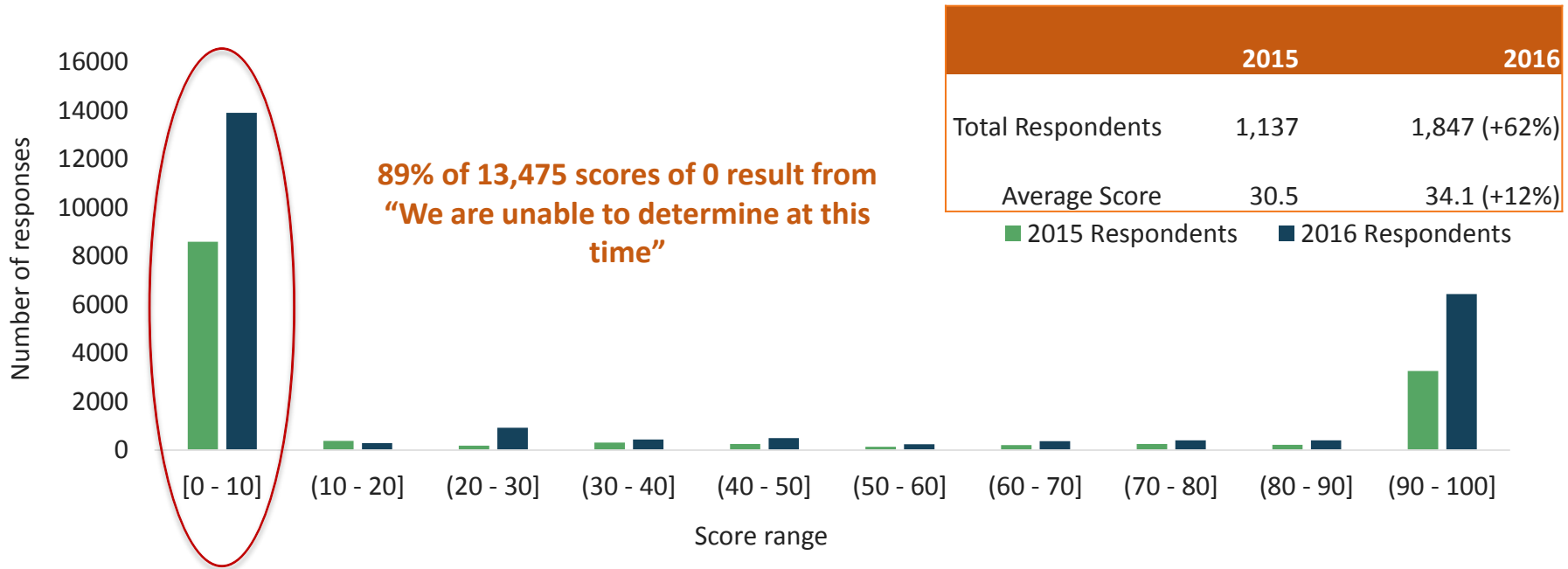
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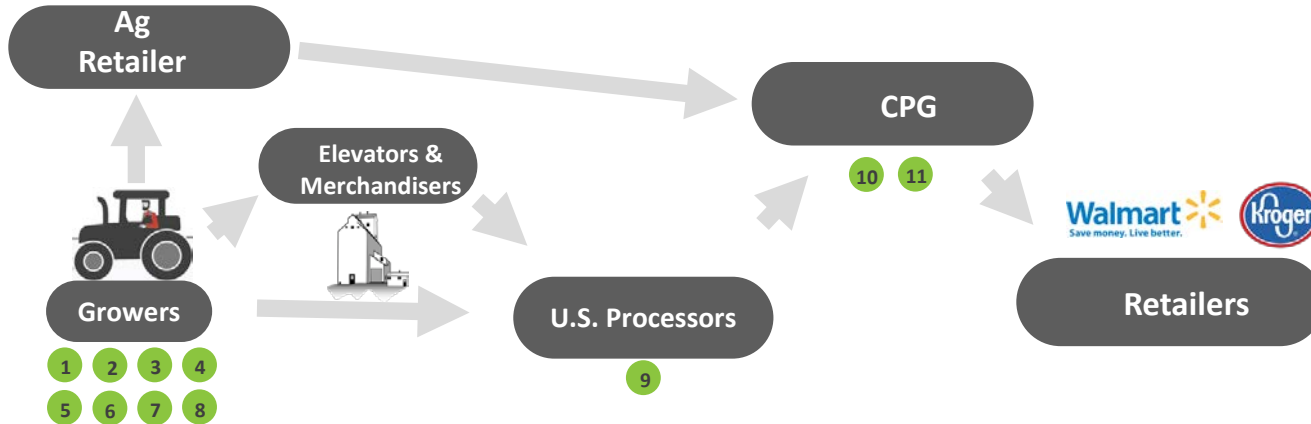
# The “I don’t know” barrier in Walmart Sustainability Index

Food, Beverage, and Ag Products: 2015-16 Data



# Challenge: As Commodities Move Downstream, Sustainability Data is Left Behind

Current TSC's KPI survey efforts highlight a breakdown in the ability for supply chains to address on-farm characterization stemming from a number of sources.



● Sustainability Challenges Identified by The Sustainability Consortium

<span style="color: green;">1</span> Energy consumption	<span style="color: green;">4</span> Pesticide application	<span style="color: green;">7</span> Water use	<span style="color: green;">10</span> Energy consumption
<span style="color: green;">2</span> Fertilizer application	<span style="color: green;">5</span> Soil management	<span style="color: green;">8</span> Worker health & safety	<span style="color: green;">11</span> Water use
<span style="color: green;">3</span> Land transformation	<span style="color: green;">6</span> Supply chain traceability	<span style="color: green;">9</span> Worker health & safety	



# Data Landscape Mapping in Ag Supply Chains

## Data Compatibility Pilot: Enhancing Data Flows through Interoperability of Systems

- Nov 13 workshop in Kansas City: The group identified a project to map the required input data for water use, GHGs, and fertilizer across all farm calculator tools which are necessary for TSC KPIs.
- Dec 19: Scoping group met to finalize project scoping document
- Jan 5: Technical team met to finalize work plan for project
- Feb 2: Technical Team met to review draft of workstream #1

### Data Entry Challenge:

Need for alignment and interoperability of grower input data for plug and play with various standards



**Workstream #1: Assess data input requirements across tools within areas of overlap**



### Data Conversion:

Need for Rosetta Stone to leverage data from various standards



**Workstream #2: Translate metric tool data input & outputs into TSC KPIs via system automation through plug-ins to exchange data**

A critical challenge for the ag supply chain is streamlining data entry for growers and converting this information into a useable format for retailers



# TSC Summit 2018

Registration is open!

**Tuesday, May 1, 11:00am-5:30pm - FREE**

## **Why Brands and Retailers Need Farm-Level Sustainability Data: Use cases for IT solutions**

- This session will highlight the need for IT solutions to mobilize data across farm, brands, and retailers and will also provide the business case for you to communicate the opportunities for software and system solutions in the agricultural data space to your company's sustainability and procurement teams
- Hear from brands and retailers about their needs for farm data – why they want it, how they use it, and how it can help them achieve their sustainability goals and commitments
- Learn from growers who view sustainability as a business opportunity and how the data help with farm management decision making



## **Wednesday & Thursday, May 2-3: One hour sessions related to agriculture**

- How Can TSC's New Deforestation Model Help You Meet 2020 Zero Deforestation Commitments?
- Sustainable Commodities Supply Chain Report and Framework in Action Workshop
- From the Ground Up: Soil to Denim
- Corporate Investment in Smallholder Agriculture: A Business Case for Reducing Supply Risk and Improving Livelihoods
- Cases & Conversations: Examining Water Solutions Across Sectors

