Forward Looking Statements

This communication contains “forward-looking statements” within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. In some cases, you can identify these statements by forward-looking words such as “may,” “might,” “will,” “should,” “expects,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential” or “continue,” the negative of these terms and other comparable terminology. These forward-looking statements, which are subject to risks, uncertainties and assumptions about us, may include projections of our future financial performance, our anticipated growth strategies and anticipated trends in our business. These statements are only predictions based on our current expectations and projections about future events. There are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied by the forward-looking statements, including those factors discussed under the caption entitled “Risk Factors” in our Annual Report on Form 10-K, along with our other filings with the U.S. Securities and Exchange Commission. We do not assume any obligation to publicly provide revisions or updates to any forward-looking statements, whether as a result of new information, future developments or otherwise, should circumstances change, except as otherwise required by securities and other applicable laws.
Tenets of Our Business Model

- Supporting family farms & farmers
- Improving people’s health
- Making the planet more sustainable
- Leveraging science for superior quality
We are an Innovation Company

Platform

Targets

Revenue Streams

TALEN® System

Wellness

Plant-based Proteins

Sustainability

Intellectual Property Portfolio

Proprietary Food & Feed Ingredients

People

Innovation Partnerships
Our Gene-Editing Technology Is Highly Precise

TALEN can be used to efficiently enhance the health benefits and performance of plants

Using patented breeding technology, we do what farmers have accomplished through traditional plant breeding methods. We do it more precisely, giving our crops the same outcomes that could occur in nature.

TALEN: Transcription Activator-Like Effector Nucleases
# Product Pipeline

<table>
<thead>
<tr>
<th>Crop</th>
<th>Benefit</th>
<th>Discovery</th>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
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<tbody>
<tr>
<td>Soybeans</td>
<td>High oleic soybean</td>
<td>Draft</td>
<td>Draft</td>
<td>Draft</td>
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<td></td>
<td>New varieties of high oleic</td>
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<td>soybean</td>
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<tr>
<td></td>
<td>High oleic/low linolenic</td>
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<tr>
<td></td>
<td>soybean</td>
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<td></td>
</tr>
<tr>
<td>Wheat</td>
<td>High fiber wheat</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Other crops</td>
<td>Improved quality alfalfa</td>
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</table>

- Heart Healthy
- Fiber
- Sustainability
Developing a High Value Pipeline

IDEATION

100’s of ideas

PHASE 1
(1-2 years)
Event Generation & Trait Development

PHASE 2
(1-2 years)
Trait Validation in the Field

PHASE 3
(1-2 years)
Advanced Field Tests, Application Tests & Commercial Value Validation

LAUNCH
CLXT or Partner Sales
Proprietary Products Business Model & Revenue Streams

Identity-Preserved Supply Chain

**Seed production**
Grow and sell seed
Seed tracking

**Grain production**
Contract acres and buy crop
Seed tracking
Field selection
Equipment clean out

**Grain processing**
Take delivery and process
Equipment clean out
Labeling
Grain sampling and testing

**Sales of product**
Sell to customers
Traceable
Revenues from oil, meal, other products
One serving of Calyno™ oil provides 16 grams of oleic acid (which is 16.3 grams of monounsaturated fatty acid).

Supportive but not conclusive scientific evidence suggests that daily consumption of about 1½ tablespoons (20 grams) of oils containing high levels of oleic acid, may reduce the risk of coronary heart disease. To achieve this possible benefit, oleic acid-containing oils should replace fats and oils higher in saturated fat and not increase the total number of calories you eat in a day.
**Customer Growth Since March Commercialization**

**Regulatory Status**

**USDA:** Submitted petition to USDA, USDA does not consider Calyxt High Oleic Soybean as a regulated article under the Plant Protection Act.

**FDA:** Voluntary consultation completed and FDA had no further questions concerning human food ingredients or animal food derived from Calyxt High Oleic Soybean.

**Over 20 Customers**

Currently sold out of meal, next crushes occurring in September 2019 and through end of year.
Expanding Supply Chain

- Expand seed distribution and agronomy services
- Increased storage and access to rail
- Potential path to launch new HO varieties and high fiber wheat

- Provides access to high efficiency crush plant
- Establishes meal customer base and offers future revenue opportunity
- Potential path to launch new HO varieties
Our High Oleic Soybean Acreage is Increasing

- **2017**
  - Actual: 2,000
  - Contracted: >55,000
  - Actual: >17,000

- **2018**
  - Actual: >17,000

- **2019**
  - Actual: >36,000

- **2020**
  - Target: 100,000

Acres

<table>
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<tr>
<th>Year</th>
<th>Actual</th>
<th>Contracted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>2,000</td>
<td>&gt;55,000</td>
</tr>
<tr>
<td>2018</td>
<td>&gt;17,000</td>
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<tr>
<td>2019</td>
<td>&gt;36,000</td>
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<tr>
<td>2020</td>
<td></td>
<td>100,000</td>
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</tbody>
</table>
USDA Acreage Projections Support Growth

< 1% of 89 million acres were HO in 2018

16 Million acres projected to be HO in 2028

HO Soy replaces cotton as 4th largest U.S. crop

Source: Qualisoy and USDA long term projections, March 2019
Launch of New Varieties of HO* Soybean Drives Grower Expansion

*HO = High Oleic
Innovation Partnership Cash Flow Stream

- Development
  - Concept developed with Partner or by CLXT directly

- Cash Flow
  - Access Fee
  - Milestone Payment at Stage Completion or Delivery
  - Royalty as Partner Commercializes

- Revenue
  - Sized Based on Opportunity
  - Fixed Payments Upon Achievement by CLXT
  - Royalty on Partner Revenues

- Expense
  - Incremental R&D Expense Expected If No Base Capacity Exists, Excludes Seed Production
  - Ongoing Regulatory Support Possible
Proof of Concept Innovation Partnership
In Alfalfa

Our new alfalfa product has potential to improve the digestibility by livestock by up to 33%, which means potentially:

Up to one third less:

- Alfalfa into the cow
- Waste and gas from the cow
- Trucking and fuel costs to transport alfalfa
- Water to grow the alfalfa

Development Stage
Product Development Complete
Field Trials In Progress
Seed Production Expected 2020
Royalty on Partner Revenues Expected 2021
Thank You!