COMMERCIALIZATION OF MICROALGAE IN PLANT AGRICULTURE
The Case for Algae in Plant Ag

Microalgae – Key to Living Soil
Number of living organisms in 1 cubic meter of topsoil

- Bacteria
- Fungi
- Algae
- Nematode

[Graph showing the number of living organisms with algae having the highest count.]
<table>
<thead>
<tr>
<th>Pharma</th>
<th>Food (fats-carbs-protein)</th>
<th>Supplements</th>
<th>Drugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Ag</td>
<td>Fertilizer (N-P-K)</td>
<td>Soil amendments</td>
<td>PGRs and pesticides</td>
</tr>
<tr>
<td></td>
<td>Well established market.</td>
<td>Challenging area for trust.</td>
<td>Considered reliable due to regulatory burdens.</td>
</tr>
</tbody>
</table>
Heliae’s History with Plant Ag

- Initial studies
- UC Davis / Holden Studies
- Beta Launch of PhycoTerra: Feb 17
- Phase 2 Studies
- Phase 3 Studies
- Initiation of early screening program
- Build out of internal green house capability
- Expansion (4x) of internal growth facilities

Timeline:
- 2012: Initial studies
- 2013
- 2014
- 2015
- 2016: Beta Launch of PhycoTerra
- 2017: Expansion (4x) of internal growth facilities

Number of trials conducted: [Image of three men]
Exponential Challenges in P. Ag. R&D
PhycoTerra™

UNLOCK THE POTENTIAL
MICROALGAE IS THE KEY

3 Key Benefits

- Yield
- Emergence
- Strength
The Challenge of Rising Above
Microalgae Industry Implications
Next Steps for Heliae
THANK YOU FOR YOUR SUPPORT!

Contact us: Lsmith@heliae.com / www.heliae.com