OHIO-ISRAEL AG & CLEANTECH INITIATIVE (OIACI)

• Work one-on-one with Ohio farmers, academics, and community leaders to continue to monitor evolving needs in agriculture and water management
• Identify Israeli technologies with the potential to meet these needs
• Attend Ohio tradeshows, conferences, and other professional events to educate Ohio agriculture and water professionals about current Israeli technologies
• Organize and conduct Professional Development Missions to Israel so that Ohio professionals have the opportunity to see innovative technologies first-hand
• Facilitate business connections, research and pilot opportunities, and other information exchange between Israeli and Ohio entities
WATER

• The “OIAI” became the “OIACI” with the addition of CleanTech / water focus in 2015 following an in-depth report created by the OIAI at the request of members of the Ohio legislature

• Now, the OIACI is primarily focused on agricultural and CleanTech industries with a special interest in water safety and management

• We work to identify Israeli technologies that have the potential to address Ohio’s current and future needs in these sectors
Seek solutions
Identify entities
Educate entities
Connect entities
Assess needs
OHIO WATER CONCERNS

• Toxic algal blooms
• Fertilizer runoff
• Water contamination
• Septic tank failure
TOXIC ALGAL BLOOMS: BLUEGREEN WATER TECHNOLOGIES

• Lake Guard™ is a prophylactic, cost-effective solution to toxic algal blooms

• Fuses market-approved, well-validated algaecides with a novel delivery mechanism that can be used on a large scale

• Inert, biodegradable, has no effect on the environment, and leaves no trace in the water within 24-36 hours

HTTP://BGTECHS.COM
Specialized mycorrhizae fungi effectively extend the plant root system with mycelium.

Most plants are only able to absorb approx. 15% of total phosphorus fertilizer, with 85% “running off.”

Mycorrhizae are able to dissolve and actively absorb phosphorus, leading to lower application needs and less runoff.

HTTP://GROUNDWORKBIOAG.COM
WATER CONTAMINATION: WELLTODO

- Rather than concentrating contaminants, this solution converts contaminants into non-polluting compounds.
- The only physical chemical nitrate removal process that does not generate any concentrate or byproducts.
- The WellToDo innovative catalyst uses Activated Carbon Cloth, and the entire system is ready to use “off the shelf”.

HTTP://WELLTODO.CO.IL
Aerobic, modular wastewater treatment solution reduces energy usage by up to 90% compared to conventional treatment.

Cost-effective, low-odor and low-noise, and simple operation make this system ideal for residential use.

[HTTP://FLUENCECORP.COM]
OIACI: PLANNED ACTIVITIES

• **Continue Professional Development Missions to Israel on a state-wide and community specific basis**
  
  Giving Ohio professionals the opportunity to explore Israeli water technologies in-depth and with a focus on their communities' key concerns

• **City-specific programming to aid local communities with their unique concerns**
  
  For example, Toledo has been more strongly impacted by drinking water contamination/water shutoffs than neighboring communities

• **State-wide showcases featuring the latest Israeli technologies that may effectively address Ohio’s water needs**
  
  Giving Ohio professionals the opportunity to see select Israeli technologies addressing State-wide concerns first-hand
FUNDING

• The OIACI is a state-funded program
• Current budget is supplemented by local funding from community foundations
• Local foundations are making small investments to create big value in their communities
  The Cleveland Foundation has funded scholarships for area water professionals to attend a Cleveland-centric Professional Development Mission to Israel in March of 2018
• The OIACI hopes to continue and expand this community funding model in other cities as we work to address more local needs within Ohio
CONTACT

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