



Ag Innovation Center and Ag Symbiosis

February 13, 2024



**Sprayer Using Cameras
and AI to Target Weeds**



**Motion Detector and AI
to Find Nematodes**



**Fungicide for
Organic Farming**



Ag Innovation Council Members

David Billetdeaux – Port of Benton

Shane Hughes – Planet Turf

Sam Chavoshi – Agnema LLC

Lori Mattson – Tri-City Regional Chamber

Israel Delamora –OIC

Rachel Noah – Taggares Fruit

Leslie Druffel – McGregor Group

Phil Ohl – Tri-Cities Angel Alliance

Karl Dye – TRIDEC

Naidu Ryapati – WSU Irrigated Ag Center

Jarrold Franson – Sun Pacific Energy

Bill Shibley – Wheatland Bank

Michelle Holt – BF Council of Governments

Lindsey Williams – WW Community College



Ag Innovation Center - WHY

Capture Value of
Creating New Ag
Tech

Foster Innovation from
Fieldworker to
Corporation

TC is Leader in Ag
Production

Make TC Leader in Ag
Innovation

Connect Industry
and Institutions

Ag is Missing
Component in state
"Clusters"

Drive Interest in Ag Careers &
Education

Vision for Ag Innovation Center



Ag Innovation Center, Tri-Cities WA

Capture opportunities for ag innovations by fostering new and novel products, forming a hub of connections across the ag economy, and developing technology that uplifts the workforce, producers and environment

Ag Innovation Center - WHAT

R&D to Tech
Transfer

Link to Higher
Ed

Maker
space

Focus on Private
Sector Needs

Office
Space

Automation
Sustainability
Precision Ag
Biologics

Leverage Tech from
Other Industries

Labs

Co-locate Ext Office, USDA,
Commodity Groups

Gathering Space
(Coffee Shop)

Product Showcase for
Public

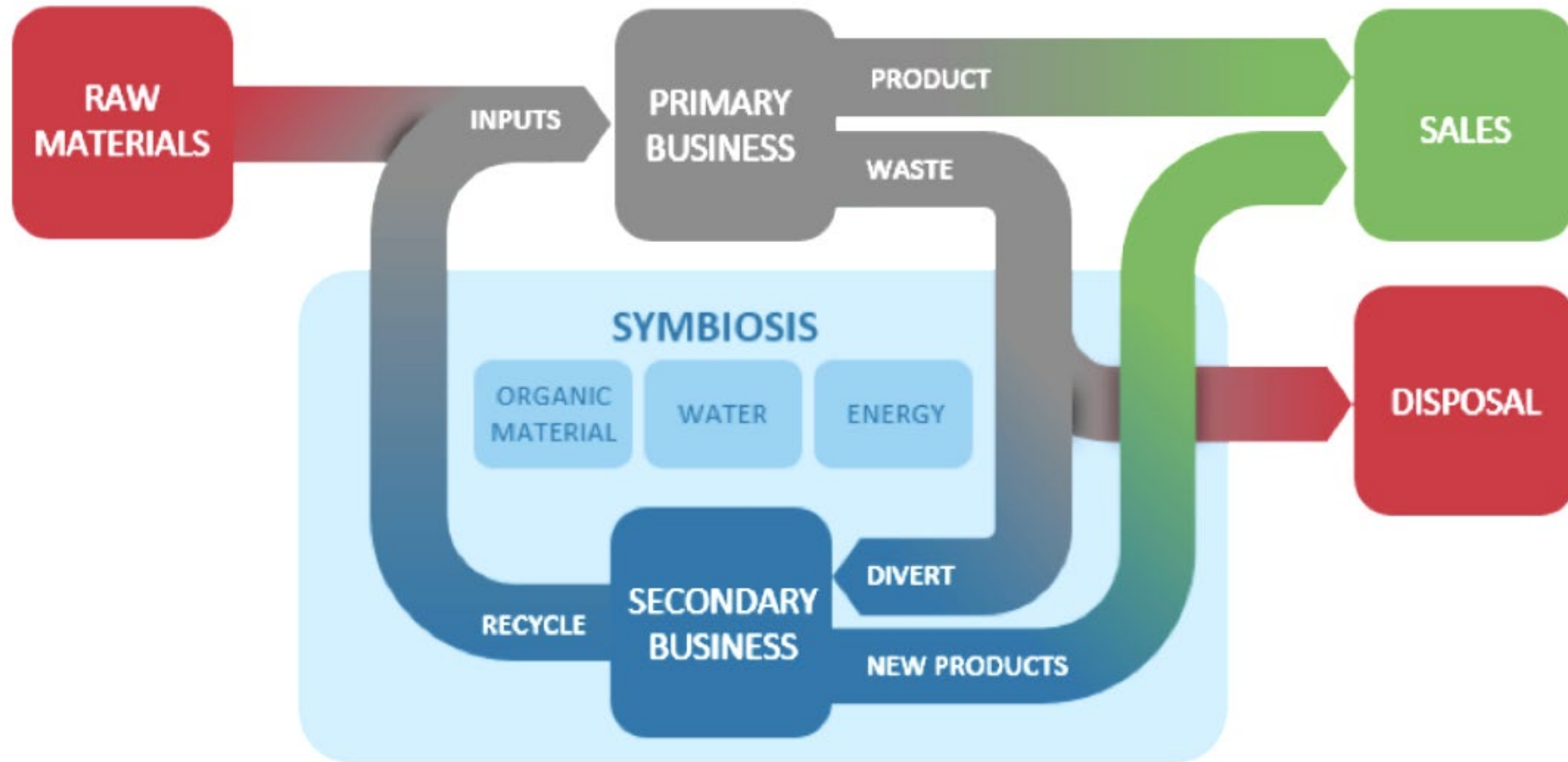


Ag Innovation Center - HOW

- WA State Funding for Feasibility Study – Rep. Barnard
- Grants for Design and Construction – EDA, USDA, Others
- Partnerships with:
 - Industry and Trade Associations
 - Higher Ed
 - Like-Minded Agencies
- Operating Cash for Part-Time Development Staff
- Vision Casting



Ag Symbiosis Value Chain



GreenLab Symbiosis Park-Denmark

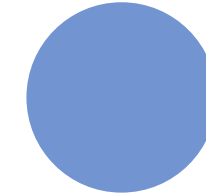


GreenLab's biogas plant produces heat and fertilizer from manure and waste from various production units.

It uses excess heat from Stiesdal's Skyclean plant in their production.

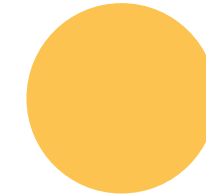


Potential Pasco Sites for Ag Symbiosis Park



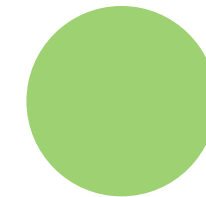
Area 1

Port of Pasco & Private



Area 2

DNR



Area 3

DNR

Increasing the Economic Value and Sustainability of Washington's Agriculture Sector Through Industrial Symbiosis

A report to the Washington Legislature
2023

PRODUCED THROUGH A PARTNERSHIP OF



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Center for Sustainable
Infrastructure

