

Facility Background

- 6,000 sf hydroponic greenhouse
- Three bays (production, leafy greens, vine crops)
- Financed with \$350,000 SPWF loan from Business Oregon
- Construction completed September 9, 2019



24 products Greenhouse currently offers 18 products: tomatoes, cucumbers, leafy greens, fruit, herbs, and a salad pack

Orange Cherry Tomatoes

Super sweet and juicy cherry tomatoes, vine ripened for exceptional flavor.

\$4.00 / pt Low stock



Cherry Tomatoes

The pictures don't lie - these are the best Cherry Tomatoes you'll ever eat. Vine ripened, they are harvested year-...

\$4.00 / pt



Purple Bumble Bee Cherry...

Beautiful eye catching cherry tomato, sweet and meaty, a perfect addition to your salads.

\$4.00 / pt Low stock



Thai Basil (whole plant)

Our Thai basil plants are sold with the roots intact and taste delicious. Thai basil is native to Southeast Asia and ha...

\$3.00 Out of stock



Basil (Whole Plant)

Our basil is grown until just before seeding, ensuring optimal taste and fragrance. We sell our herbs as living...

\$3.00



Cilantro (Bunch)

Grown fresh weekly - you won't need nearly as much as store-bought with our fresh hydroponic cilantro. Price per...

\$1.50 Low stock



24 products Greenhouse currently offers 18 products: tomatoes, cucumbers, leafy greens, fruit, herbs, and a salad pack

Corinto Cucumber

These babies are delicious. Our Corinto cukes are left on the vine until peak freshness. They are 7-8" and make gre...

\$1.00



Socrates Cucumber

Socrates cukes are dark green, thinskinned, 7–8" fruits. This is one of the BEST cucumbers on the market today....

\$1.00



Small Snacking Cucumber

Small snacking cucumbers are great for snacking or adding to your favorite beverage! Almost seedless and super...

\$0.50



Orange Slicer Tomatoes

Orange beefsteak tomato, low in acid and good flavor and texture. Try this on your next burger!

\$2.99 Out of stock



Slicer Tomatoes

Big, fat and juicy. These jaw droppers are left on the vine till they can't take it any more. Love me some slicers in BLT's, o...

\$2.99 / lb Out of stock



Cantaloupe (Eastern)

These Eastern (deeply ribbed skin) melons are medium-sized. The texture and complexity of flavor of this variety...

\$5.00 Low stock



24 products Greenhouse currently offers 18 products: tomatoes, cucumbers, leafy greens, fruit, herbs, and a salad pack

Cantaloupe (Sugarcube)

These softball-sized melons are a smaller hybrid variety of American cantaloupe with orange flesh and a cor...

\$3.00 Out of stock



Red Bell Pepper

Sweet and crunchy! Perfect for snacking or add to your next meal of fajitas or Gumbo!

\$2.00 Out of stock



Salad Pack

Our salad pack includes 2 butterhead lettuces, 1 lb of slicer tomatoes, and a cucumber. Taste the difference in fresh...

\$7.50 Out of stock



Butterhead lettuce

Butterhead lettuces have soft, butterytextured leaves that form very loose "heads". They boast a mild, sweet and...

\$2.25 Out of stock



Red Romaine

Our hydroponic mini-Red Romaine lettuce is beautiful and delicious in Caesar or Garden salads. It is decorate,...

\$2.25 Out of stock



Green Romaine

Our hydroponic Green Romaine is perfect for salads. It has a sweet, mild flavor and is harvested when perfectly...

\$2.25 Out of stock



24 products Greenhouse currently offers 18 products: tomatoes, cucumbers, leafy greens, fruit, herbs, and a salad pack

Red Oakleaf Lettuce

Beautiful Pom-pom style lettuce head, the red twin to our green oakleaf, this lettuce has fine lobed oakleaf shaped...

\$2.25

Yellow Bell Pepper

\$2.00 Out of stock

Sweet Orange Peppers

Sweet orange peppers are small but full of flavor! Average size is 3.5 inches

\$1.50 Out of stock







Green Oakleaf Lettuce

These beautiful lettuce heads look like pom-poms and will have your family cheering for salad!! Leaves are fine lobe...

\$2.25



Red Bell Pepper

Sweet and crunchy! Perfect for snacking or add to your next meal of fajitas or Gumbo!

\$2.00 Out of stock



Asian Micro Greens

Add a little spice and nutritional value to your everyday Salad! This super food is loaded with vitamin C, beta-carotene, B...

\$1.50 Out of stock

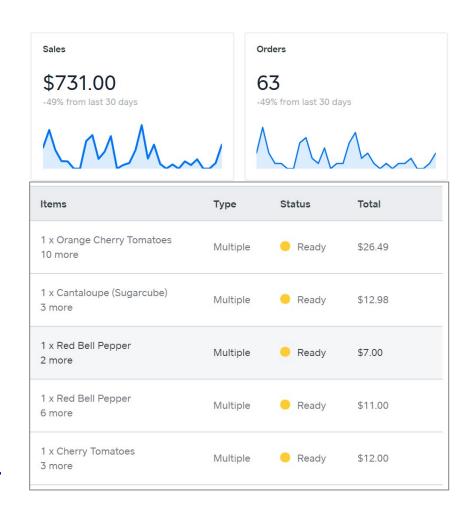




Square e-Commerce Platform

- Produce distributed via a two-sided business model
 - Direct-to-Consumer(D2C)
 - Business-to-Business(B2B)
- Sales managed via Square application
- Orders processed at

www.johndaygreenhouse.com



Order Processing

- 1. Orders submitted online (or invoiced via the app)
- 2. Payment submitted (or invoice generated)
- 3. Customer picks up produce at the greenhouse
- 4. Staff update order as filled



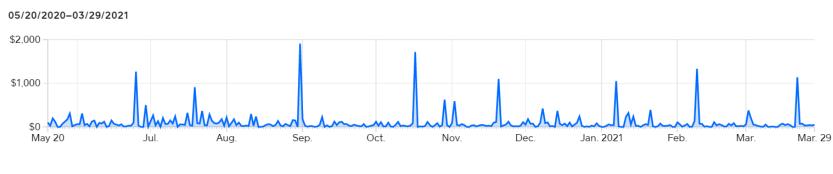
Customer order baskets



Online Sales (thru March 29, 2021)

- Online sales began May 20, 2020
- \$31,072.40 gross sales
- \$25,751.04 net sales (less B2B discounts & fees)

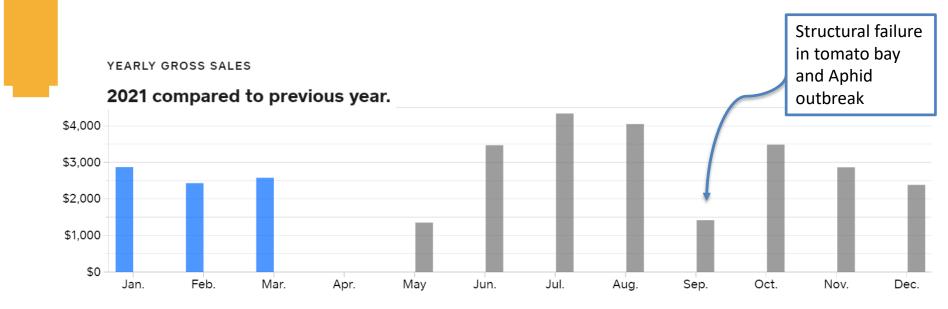
May 20, 2020-Mar. 29, 2021



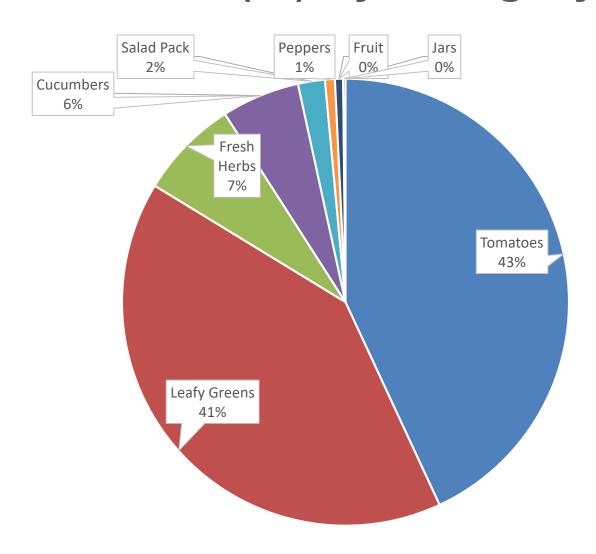


Gross Sales by Month

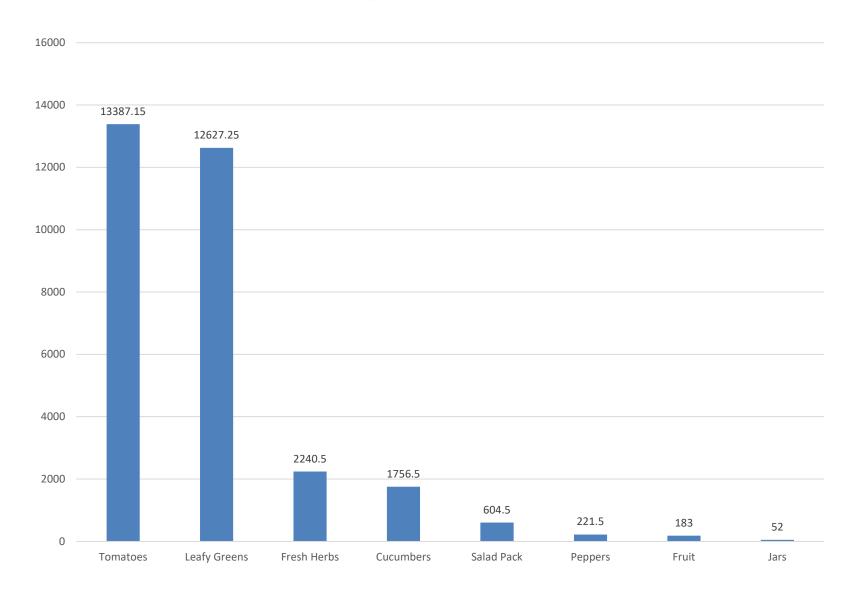
- Online sales through the e-Commerce platform
- Average revenue during COVID-19 pandemic =
 \$2,500 net sales per month
- Excess produce is donated to the food bank



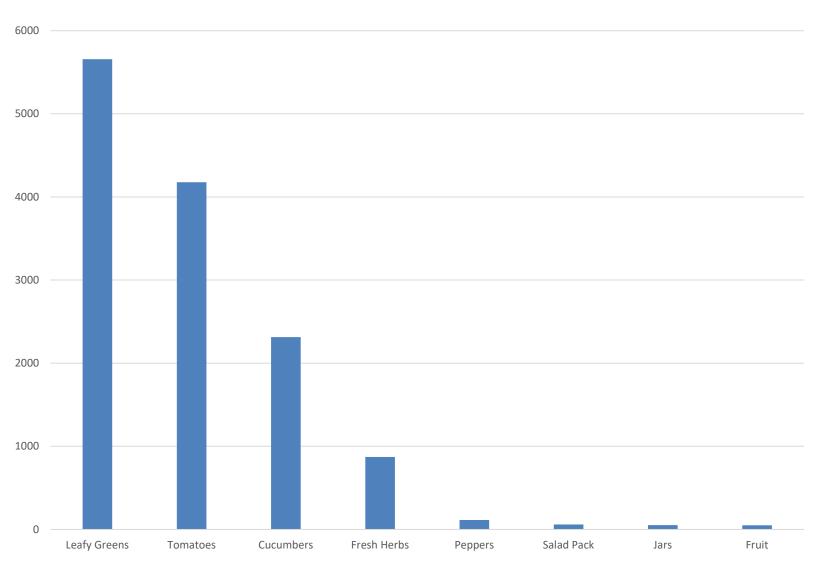
Gross Sales (%) by Category



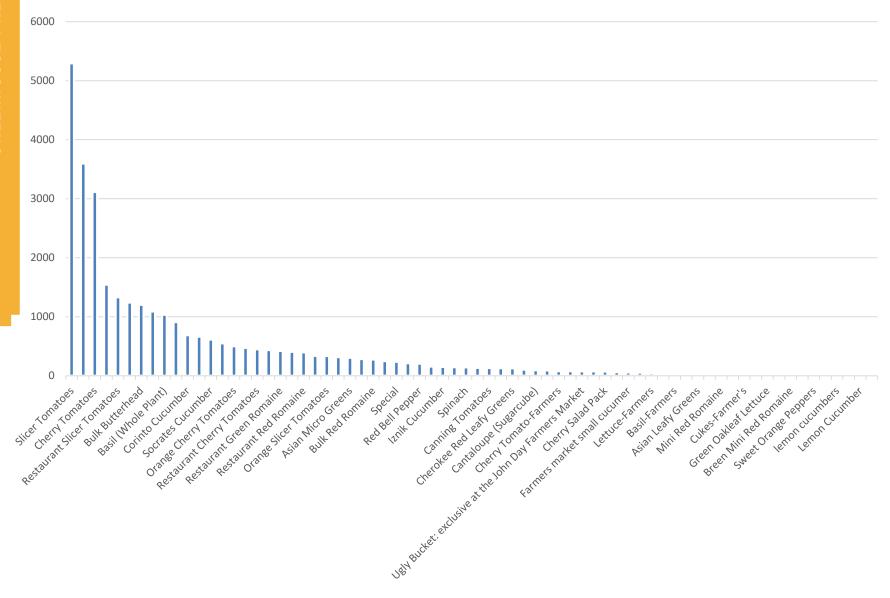
Gross Sales (\$) by Category



Gross Sales by Units Sold (Volume)



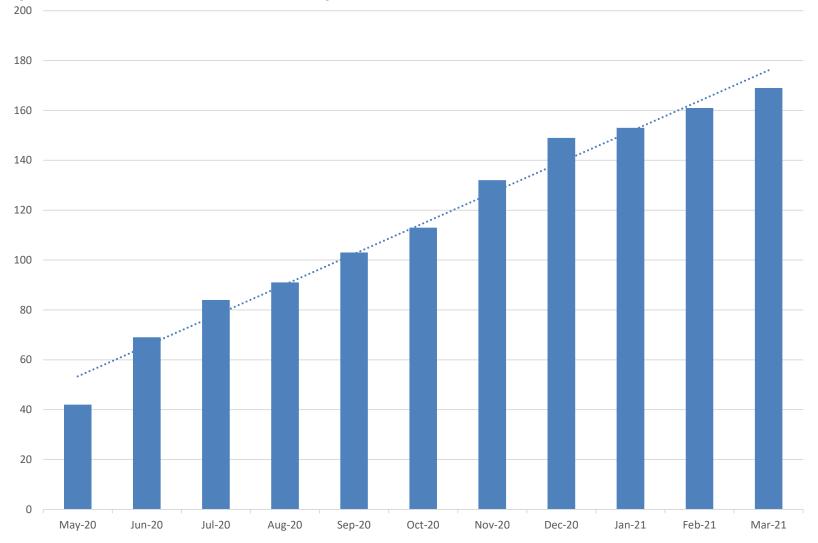
Gross Sales (\$) By Item Sold



Customer Acquisition

(261 total customers)

Averaging 22 new customers per month



Customer Retention

- 261 Total Customers (Year-to-Date)
 - One-third are new customer acquisitions
 - Two-thirds are repeat customers
 - Over one in five are lifetime customers (have shopped more than 7 times in 10 months)
- Average customer spent \$96.16 over past 9 months

	Tier 1 "D2C"	Tier 2 "B2B"	Tier 3 "Wholesale"
Туре	Direct-to- Consumer	Business-to- Business	Wholesale Outlets
Discount	None	20%	40%
Sales	\$10,721.46	\$11,931.61	\$2,445.00
Percent of Sales	43%	48%	10%

Number of Sessions per User

1.89

Pageviews

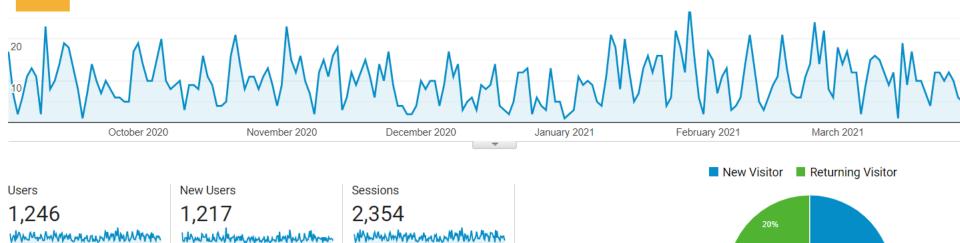
Site Analytics

3,401 unique visitors in 10 months

Pages / Session

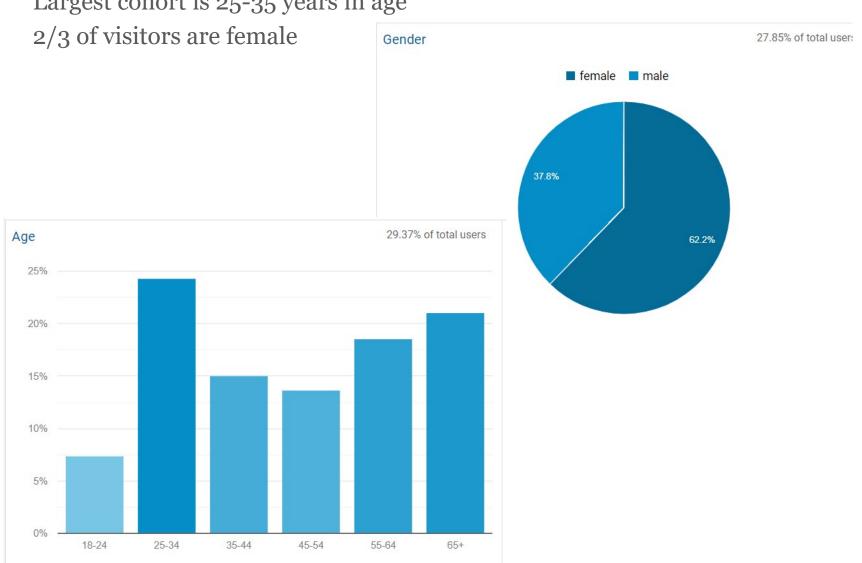
3.73

- 2,156 unique visitors through September 2020 (20 visitors per day)
- 1,246 additional visitors from October 2020 through March
 2021 (7 visitors per day)
- 80% of website traffic is from new visitors



Audience Demographics

Largest cohort is 25-35 years in age

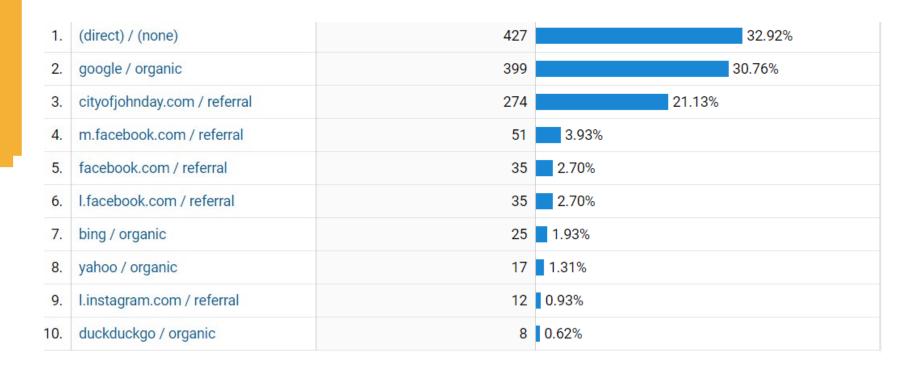


Customer Acquisition by Source

2/3 of our customers come from direct search (via google or by typing in www.johndaygreenhouse.com)

1/5 are referred from the city website (www.cityofjohnday.com)

1/10 are referrals from social media (Facebook, Instagram, etc.)



Earned Media

Articles talking about the greenhouse / innovation gateway

- Other Side of the Hill video: https://vimeo.com/450634863
- "What's Growing in John Day" Oregon Humanities article: https://www.oregonhumanities.org/rll/magazine/feed-fallwinter-2020/whats-growing-in-john-day/
- "Recreation and Revitalization in John Day" Western Planner article: https://www.westernplanner.org/2020articles/2020/7/15/recreation-and-revitalization-in-john-day
- "Fertile Future" Oregon Business article: https://www.oregonbusiness.com/article/tech/item/18734-fertile-future
- 2019 LOC Award Press Release:
 https://www.orcities.org/application/files/4315/7005/1284/2019_Excellence_Award_News_Release-FINAL-2.pdf
- "Rethinking the River" Oregon Business article:

 https://www.oregonbusiness.com/article/real-estate/item/18542-rethinking-the-river
- "Desert Prospector" Oregon Business article:

 https://www.oregonbusiness.com/article/economy/item/18385-this-is-not-your-grandaddy-s-government

Marketing Value for Agritourism

Emails sent resulting from earned media

Hi, Nick,

I'm not sure how to write this inasmuch as it's sort of a fan letter. I just read the article in Oregon Humanities, and now I'm waiting for the pandemic to subside so I can visit John Day, and hopefully get a glimpse of the greenhouses.

You've done an amazing thing in that little town.

I sincerely hope that the totality of your Innovation Gateway plan is realized.

I've lived in Oregon for 8 years, not long enough to have a native's grasp of the area. John Day has been on my list to visit, just because of the fossil beds. The article added new dimension to the town for me, sliding John Day to the top of the list.

Sincerely,

Fran H.

Marketing Value for Agritourism

Emails sent resulting from earned media

Hi, I'm a retired horticulturist and have only recently learned about your greenhouse project through an article in the Oregon Humanities Magazine.

I would love to tour your operation sometime though I'm sure with COVID now that may not be possible. While I am no longer involved professionally in the field I do still write articles which I post in my blog, Garden Riots and have recently become involved with the formative Portland Botanical Gardens. My wife and I will be in your area in later April, wild flowering on NPS land. We cross the mountains frequently to visit family and friends. Thanks for your consideration.

Lance W.

2020 Internship

First intern – Zachary Ostberg (August 2020)





2021 Internship

Jesse Douglas



2021 Academic Opportunities

EOA / REV Partnership Agreement



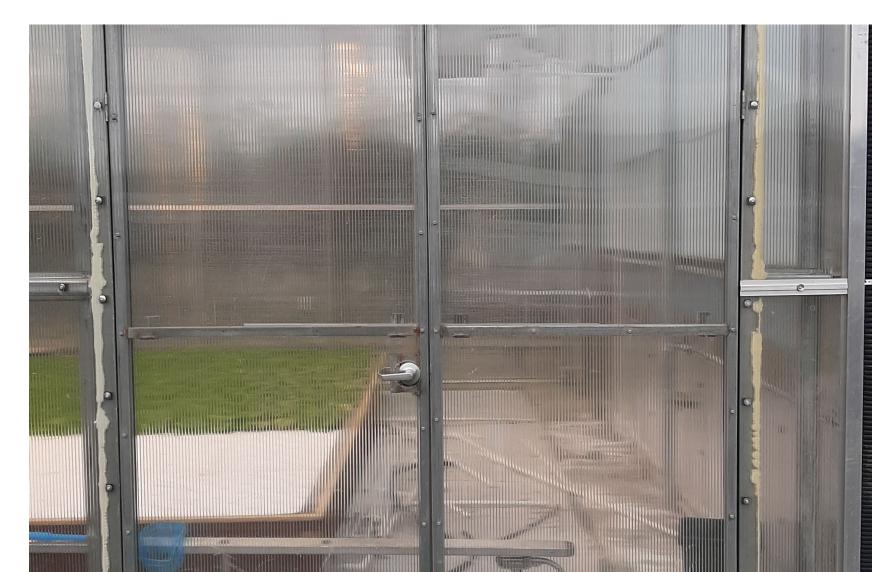
- Academic partnerships
- Student learning opportunities
- Case studies
- Capstone projects
- Summer internships



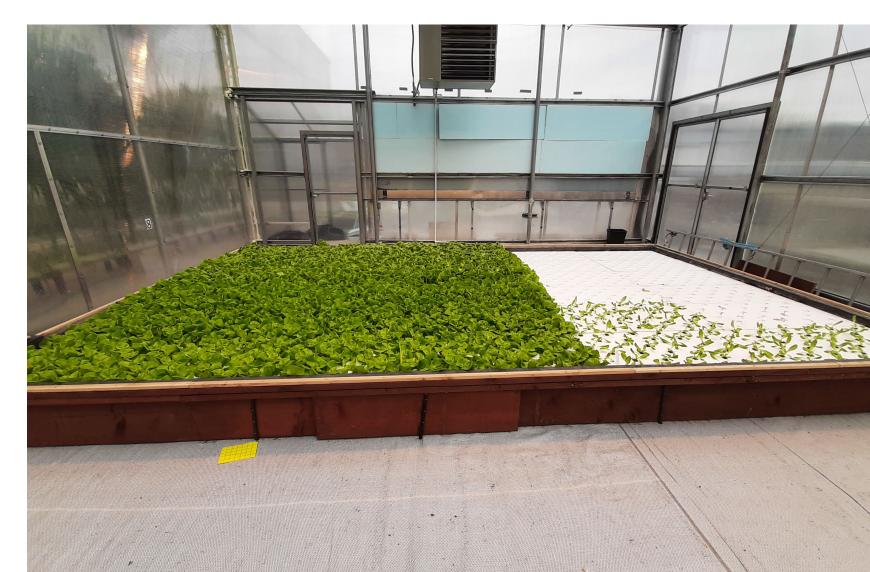
Louvres for climate control



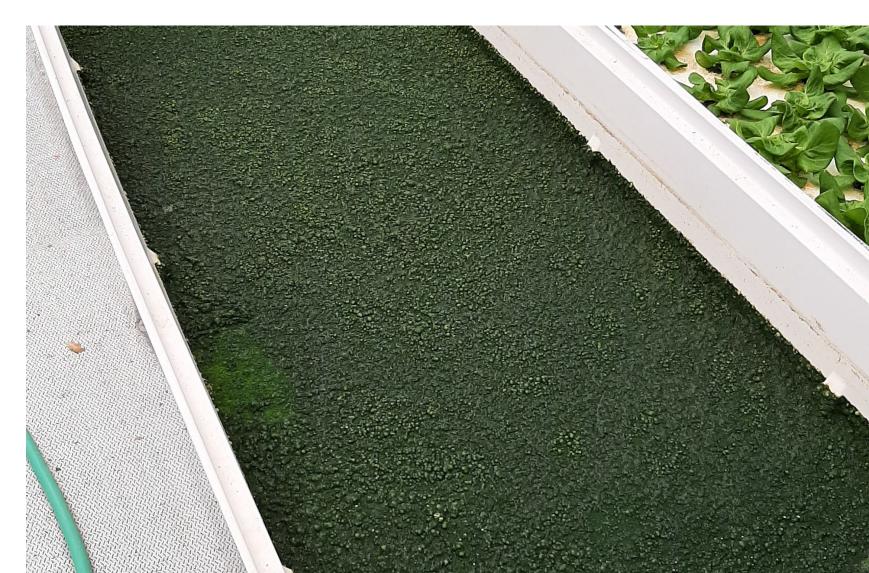
Sealing building penetrations



Pond re-design to increase efficiency / maximize space utilization



Pond re-design to reduce manpower (cleaning)



Pond re-design to reduce manpower (cleaning)



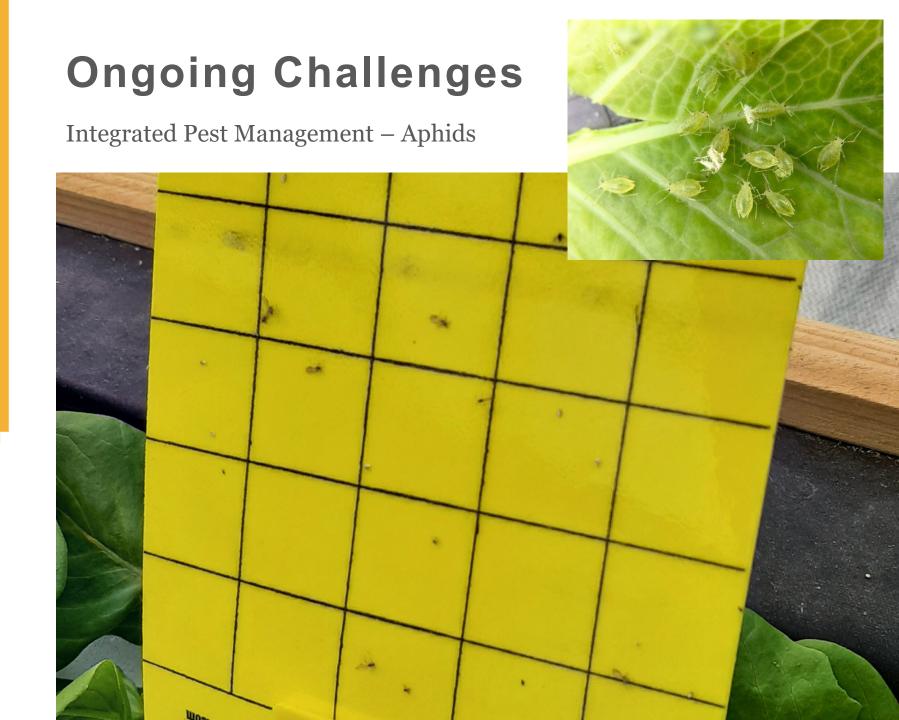
Pond re-design to reduce manpower (cleaning)



Ongoing Challenges

Integrated Pest Management – White Flies





Supply and Demand Challenges

Email from customer

I've been trying to order tomatoes for weeks, every time I check it says **out of stock** and then I hear that the new organic food store is buying all of your tomatoes and reselling at a higher

price. That's not ok.

-- Jeremy B.

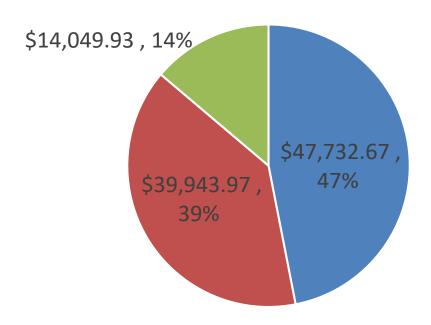




Ongoing Challenges

Financial ROI at the pilot scale

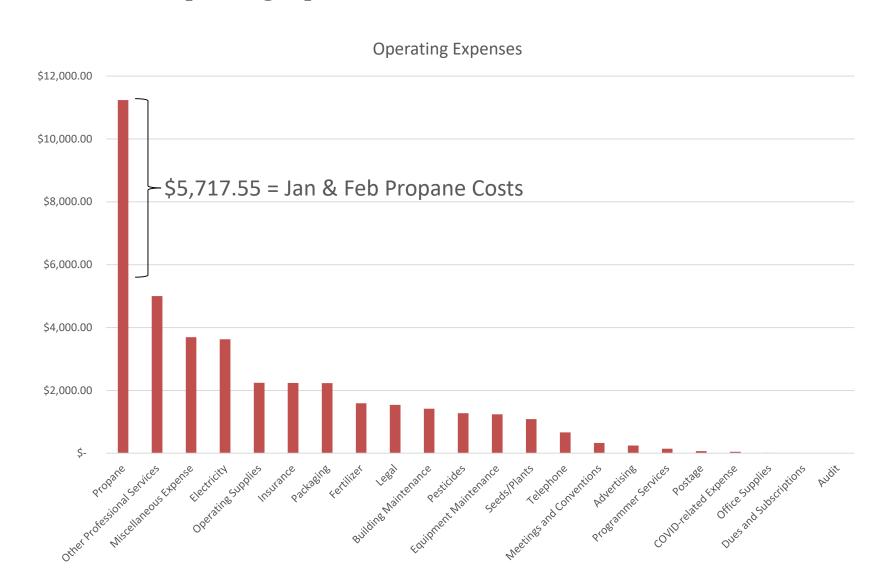
Expense Distribution



■ Personnel (8 mo.) ■ Operating Expenses (8 mo.) ■ Debt Service (8 mo.)

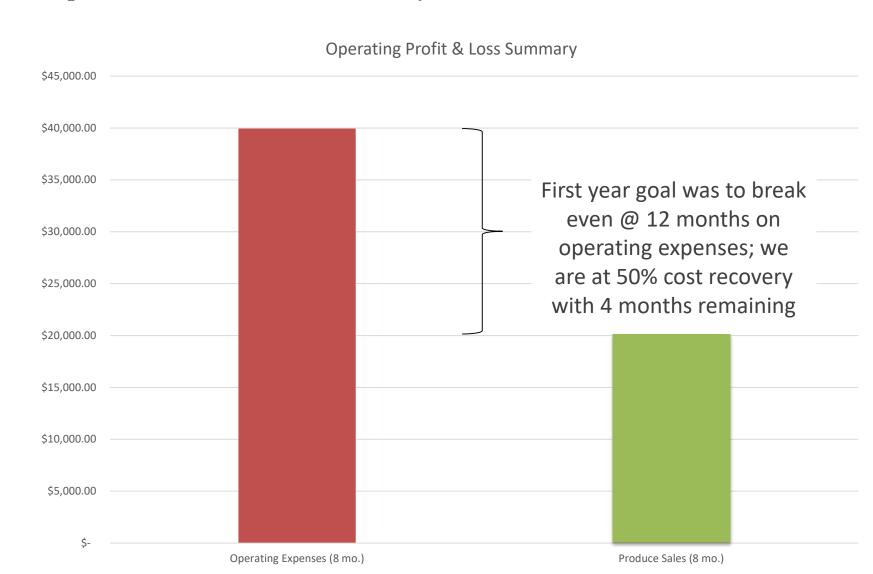
Operating Expense Summary

8-months of operating expenditures



Operating Expenses vs. Income

Expenditures vs. Produce Sales (July '20 – Feb '21)



COVID Impacts & Revenue Offsets

- Restaurant closures and reduced occupancy led to decreased demand for produce
- Took time (lost sales) to scale up the e-Commerce platform, which launched two months into the pandemic
- Finding the right product-market fit when our core customers are closed or at reduced capacity
- CARES Act did <u>not</u> allow for cost recovery due to lost revenue by public agencies, only direct expenses
- American Rescue Plan <u>does</u> allow for revenue cost recovery and we can use this to offset losses for this year and the next three years
- Additional grant opportunities open for revenue/funding

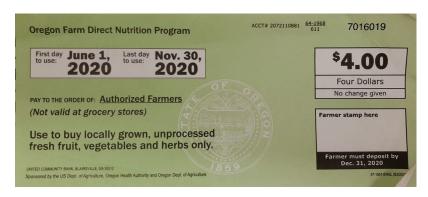
Lessons Learned

- "Test, Validate, Scale" approach is working to refine our processes and procedures
- Integrated pest management is essential and challenging to achieve
- Scaling production to meet ever-changing demand
- pH and fertigation techniques are improving
- Adjusting pollination strategies and techniques
- Changing configuration of equipment and materials
- Overcoming design faults; rebuilding
- Learning different growth rates/strategies depending on season and climate (i.e. fresh herbs in different seasons require significantly different approaches)

Food Security Programs

City is participating in multiple food security programs

- John Day Farmers Market
- Oregon Farm Direct Nutrition Program (applied)
- USDA SNAP (approved)





U.S. Department of Agriculture - Food and Nutrition Service

SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM PERMIT

Store Name: John Day Greenhouse Location Address: 480 Nw Johnson Drive

John Day, OR 97845

Owner/Officer Name(s): City of John Day

FNS NUMBER: 0725212

Mailing Address: 450 E Main St

Authorization Effective Date: 08/20/2020

John Day, OR 97845-1238

This permit certifies that the owner(s)/officer(s) and business location listed above are hereby granted approval to accept and redeem Supplemental Nutrition Assistance Program (SNAP) benefits on the condition that the acceptance and redemption of all SNAP benefits shall be in accordance with the rules and regulations governing the SNAP.

THIS PERMIT IS VALID ONLY FOR THE OWNER(S)/OFFICER(S) LISTED AND OPERATING AT THE LOCATION ABOVE

Any changes in the ownership, location, or name of business, and/or civil or criminal conviction of the owner(s)/officer(s) or loss of other business licenses due to violations may void this permit. FAILURE TO REPORT SUCH CHANGES IMMEDIATELY TO USDA MAY RESULT IN SUBSTANTIAL FINES AND ADMINISTRATIVE SANCTIONS. Call 1-877-823-4369 to report changes.

Keep this permit for your records; **do not post** it in the store. If the store moves, is sold/closed or wishes to voluntarily withdraw from SNAP, contact USDA at 1-877-823-4369.

Date of Issue: 08/20/2020