



Sustainable Food Team

Final Presentation – Sustainability Action Research – Spring 2023

Our Team



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Table of Contents

01

Introduction

Project background
& goals

02

Methodology

Approach
& process

03

Results

Main findings
& recommendations

04

Significance

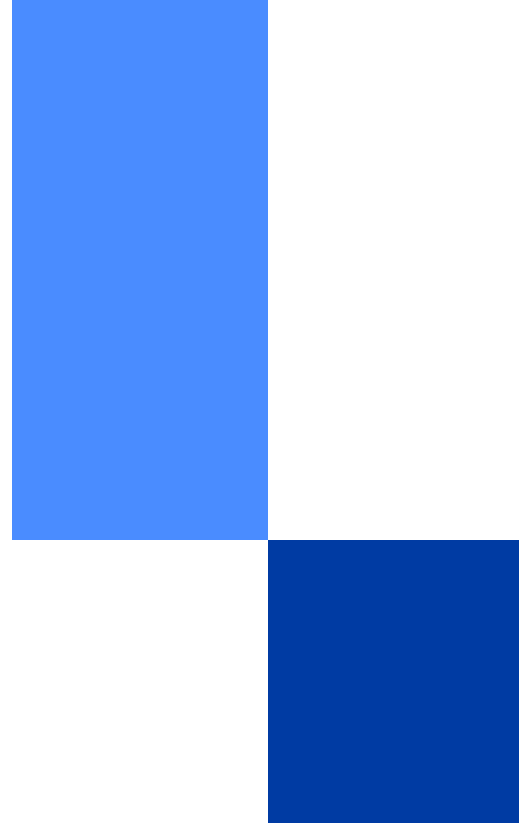
Takeaways
& next steps



01

Introduction

**Why focus on food
purchasing?**



Climate Impact

The global food system accounts for...



80%

all **deforestation**



30%

total greenhouse
gas emissions



70%

freshwater use

\$20 million

UCLA Dining food spend per **year**



The Problem

The UC has set a system-wide goal of achieving **25% sustainable food** purchases by 2030.

Sustainable food procurement has dropped from 20% pre-pandemic to **8% in FY 2021-22.**

Research Questions

Why have UCLA's sustainable food purchases dropped so dramatically since 2019?

How can UCLA improve their progress by updating their tracking system and evaluating sustainability of current food sources?



02

Methodology

Understanding the Problem



Data Audit

Examined invoices against previously completed sustainability tracking



Interviews

Conducted interviews with various stakeholders



Sustainable Vendors

Researched & provided recommendations

Data Audit

Invoices

Purchasing
Details



H&H

Spreadsheets

Sustainability
Tracking

Line	Order- ed	Shipped	Eaches Pack	Tote ID	UPC Code	Item #	Brand	Description	Whls. CS. T	Whls Ea.	Reg SRP	Weight	Discount	Net - Case	Net - Each	SRP	Mrg	Extension
15	4	4	12/10.30Z		018627-703389	60749	KASHI	OG2 KASHI STRAW FLD CERL	48.44	4.0367		38.4		48.44	4.0367			193.76

OG2

Organic Category

2 Months
Oct. '21, Apr. '22

193.76

Total Price

Fall Sustainable/Missing on Sheet

Date	Dining Hall	Vendor	Item	Invoice Number	Quantity	Unit Price	Total Price	Plant Based?	Sustainable?	Certification	Problem
2021-10-10	B Plate	UNFI	KASHI H2H HNY TSDOAT	045752285-003	4	\$42.75	\$171.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OG2	Was not recorded originally
2021-10-17	B Plate	UNFI	CHOICE PRM JPNS GRN	045772608-003	10	\$18.71	\$187.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OG2	Was not recorded originally
10/14/21	De Neve	Santa Monica Sea	Clams, Whole shell, 17-22 ct, Vac Pac	7301097	15 CS/150.00	\$4.49	673.50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBA	Marked MBA 3 but really MBA 4
10/01/2021	De Neve	Nature's Product	Granola (Hemp Plus) Organic	#02240345	1	\$92.55	\$92.55	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/02/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02240793	8	\$39.65	\$319.60	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/04/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02241592	4	\$39.65	\$158.60	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/05/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02242239	4	\$39.65	\$158.60	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/06/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02242923	10	\$39.65	\$396.50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/07/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02243643	6	\$39.65	\$237.90	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/27/2021	De Neve	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02256907	3	\$43.55	\$130.65	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/08/2021	B Plate	Nature's Product	Water (Coconut) Harmless	#02244431	1	\$54.10	\$54.10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/08/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02244431	10	\$39.65	\$396.50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/09/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02245281	12	\$39.65	\$475.80	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/12/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02246815	2	\$43.45	\$86.90	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/13/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02247509	7	\$43.45	\$304.15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/14/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02248630	10	\$43.45	\$434.50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/15/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02248949	2	\$43.45	\$86.90	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/16/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02249856	7	\$43.45	\$304.15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/18/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02250703	10	\$43.40	\$434.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/19/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02251373	10	\$43.40	\$434.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/20/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02252038	6	\$43.40	\$260.40	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/21/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02252738	7	\$43.40	\$303.80	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/22/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02253543	10	\$43.40	\$434.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/23/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02254367	15	\$43.40	\$651.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/26/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02255856	4	\$43.55	\$174.20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)
10/27/2021	B Plate	Nature's Product	Yogurt (Coconut) Harmless Harvest	#02256479	7	\$43.55	\$304.85	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Organic	Missing from spreadsheet (on invoice)

Fall Not Sustainable/No Invoice

Date	Dining Hall	Vendor	Item	Invoice Number	Quantity	Unit Price	Total Price	Plant Based?	Sustainable?	Certification	Problem
10/20/21	Sproul	Santa Monica St	Clam meat, whl	7038723	6 CS/60.00	\$4.43	265.80	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBA4	Wrong Date - Received 10/25/21
10/20/21	Rieber	Santa Monica St	Seaweed Salad,	7038291	20 TR/88.00	\$3.26	\$286.88	<input type="checkbox"/>	<input type="checkbox"/>	?	No Sustainability Rating/Can't find online
10/26/21	Rieber	Santa Monica St	Seaweed Salad,	7045117	24 TR/105.60	\$3.26	\$344.26	<input type="checkbox"/>	<input type="checkbox"/>	?	No Sustainability Rating/Can't find online
10/16/21	Rende	Santa Monica St	Seaweed Salad,	7033431	12 TR/52.80	\$3.26	\$172.13	<input type="checkbox"/>	<input type="checkbox"/>	?	No Sustainability Rating/Can't find online
10/28/21	Rende	Santa Monica St	Seaweed Salad,	7047440	20 TR/88.00	\$3.26	\$286.88	<input type="checkbox"/>	<input type="checkbox"/>	?	No Sustainability Rating/Can't find online
10/19/21	Covel	Santa Monica	Seafood	70936494				<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBA	All sustainable purchases from 10/19/21 marked as 1
10/26/21	Covel	Santa Monica	Seafood	7046329				<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBA	Sustainable purchasee from 10/27/21 marked as 1
10/28/21	Covel	Santa Monica St	Seabass Corvina	7047604	16 CS/160.00	\$6.58	\$1,052.80	<input type="checkbox"/>	<input type="checkbox"/>	MBA	Unrated sustainability
10/28/21	Covel	Santa Monica St	Snapper, Fillet, S	7047604	8 CS/160.00	\$7.14	\$1,142.40	<input type="checkbox"/>	<input type="checkbox"/>	MBA	Unrated sustainability
10/29/21	Covel	Santa Monica	Seafood	7049089				<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBA	Sustainable purchases from 10/29/21 marked as 1
10/08/21	B Bowl	Santa Monica St	Seaweed Salad,	7020350	8 TR/35.20	\$3.26	\$114.75	<input type="checkbox"/>	<input type="checkbox"/>	?	No Sustainability Rating/Can't find online
10/07/2021	De Neve	Nature's Product	Banana (Regulai #02243816		4			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing on invoice, but seen on spreadsheet
10/08/2021	De Neve	Nature's Product	Banana (Regulai #02244621		8	\$19.31	\$154.48	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing actual invoice, but seen on spreadsheet
10/11/2021	De Neve	Nature's Product	Banana (Regulai #02246239		6	\$19.31	\$115.86	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing on invoice, but seen on spreadsheet
10/07/2021	De Neve	Nature's Product	Banana (Regulai #02243816		4			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Mislabeled file; says 10/11 but is actually a repeat o
10/12/2021	De Neve	Nature's Product	Banana (Regulai #02247041		4	\$19.31	\$77.24	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing on invoice, but seen on spreadsheet
10/14/2021	De Neve	Nature's Product	Banana (Regulai #02248407		6	\$19.31	\$115.86	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Mislabeled file; says 10/15 but is actually 10/14, as
10/20/2021	De Neve	Nature's Product	Banana (Regulai #02252335		4	\$19.31	\$77.24	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing actual invoice, but seen on spreadsheet
10/21/2021	De Neve	Nature's Product	Banana (Regulai #02252923		6	\$19.31	\$115.86	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Missing actual invoice, but seen on spreadsheet
10/22/2021	De Neve	Nature's Product	Banana (Regulai #02253722		6	\$19.31	\$115.86	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rainforest Allian	Mislabeled file; says 10/21 but is actually 10/22, as

Interviews

UCLA Dining

- **Chef
Joey Martin,**
Senior Executive
Chef at UCLA

DSCO

- **Michelle
Wellington,**
Systems
Manager

Other UC's

- **Marcos Hernandez,**
Head of Culinary at
UC Berkeley
- **Darin Schluep,**
Director of the UC
Davis Coffee House
- **Chamayo Yniguez,**
Director of
Operations Dining
Services at UC Davis

Sustainable Vendors

Our Definition:

For a vendor to be sustainable, they must:

- Be local
- Reduce chemical use
- Meet UC's established sustainability criteria



Research On:

EDI + Ethics

03

Results



A decorative graphic on the left side of the slide consists of two overlapping squares. The bottom-left square is a dark blue, and the top-right square is a lighter blue, creating a cross-like shape.

Takeaway #1 - Tracking Process

Primary Issues

Inefficient

Subject to Error

Retroactive

Date	Invoice #	Description	Origin	Location	Spend	Sust. Cate
10/1/2021	7012872	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	1,435.44	MBA3
10/5/2021	7019243	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	1,479.64	MBA3
10/8/2021	7020350	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	989.85	MBA3
11/2/2021	7053510	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	479.53	MBA3
11/3/2021	7053513	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	2,247.41	MBA3
11/6/2021	7059213	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	1,509.72	MBA3
12/16/2021	7106949	Albacore, TS, Cubes, Poke Style, IVP	Indonesia	Bruin Bowl	693.90	MBA4
12/9/2021	7097938	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	816.55	MBA3
12/3/2021	7090607	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	2,176.67	MBA3
11/12/2021	7064708	Salmon, na, portions premium 3 oz	Canada	Bruin Bowl	396.56	MBA3
9/21/2021	7001817	Clam meat, whl baby, cooked, nat juice	China	Covel	210.50	MBA4
9/21/2021	7001817	Squid, cleaned, t&t, 4-6 local	USA	Covel	381.60	MBA4
9/23/2021	7004599	Catfish, ,fillet, 3oz/UP	USA	Covel	729.75	MBA4
9/24/2021	7005787	Haddock, Fillet, 10-12 oz, Bnls, Skinless	China	Covel	1,338.00	MBA3
9/29/2021	7011441	Salmon, na, portions premium 3 oz	Canada	Covel	3,910.38	MBA3
9/30/2021	7013706	Scallops, Bay, 60/80, asian IQF	Philippines	Covel	369.90	MBA4
10/1/2021	7014753	Cod, Fillet, 16/32 oz	Greenland	Covel	1,238.00	MBA3
10/2/2021	7016468	Cod, Battered, English Style, 2 oz	USA	Covel	754.00	MBA3
10/8/2021	7023434	Salmon, na, portions premium 3 oz	Canada	Covel	2,645.25	MBA3
10/8/2021	7023434	Squid, cleaned, t&t, 4-6 local	USA	Covel	1,335.60	MBA4
10/12/2021	7027670	Salmon, na, portions premium 3 oz	Canada	Covel	3,694.27	MBA3
10/12/2021	7027670	Salmon, Smoked, Blamoral, P/S, ASC Cert	USA	Covel	669.64	MBA4
10/12/2021	7027670	Cod, Battered, English Style, 2 oz	USA	Covel	603.20	MBA3
10/12/2021	7027670	Scallops, Domestic, 10/20, Proc, IQF	USA	Covel	2,165.80	MBA3
10/13/2021	7028652	Scallops, Bay, 60/80, asian IQF	Philippines	Covel	493.20	MBA4
10/18/2021	7036494	Salmon, na, portions premium 3 oz	Canada	Covel	3,428.92	MBA3

Human Error is Expensive

Category	Associated Cost
Oct. '21 Missing Sustainable Items	\$9,015.20
Oct. '21 Additional Sustainable Items	\$4,438.30
Apr. '22 Missing Sustainable Items	\$4,625.33
Apr. '22 Additional Sustainable Items	\$1,726.86
TOTAL	\$19,805.69

\$118,834.14

Wrongly categorized due to human error
(Annual estimation)

FoodPro Analysis

Strengths

- Familiarity

Weaknesses

- Difficult to navigate
- Data incapacity
- Inconsistent and variable sustainability criteria
- Not all vendors tracked

Future Recommendations

Improve the tracking process

Track at time of ordering


Reach out to vendors

Coordinate with Chef Joey

Computerize

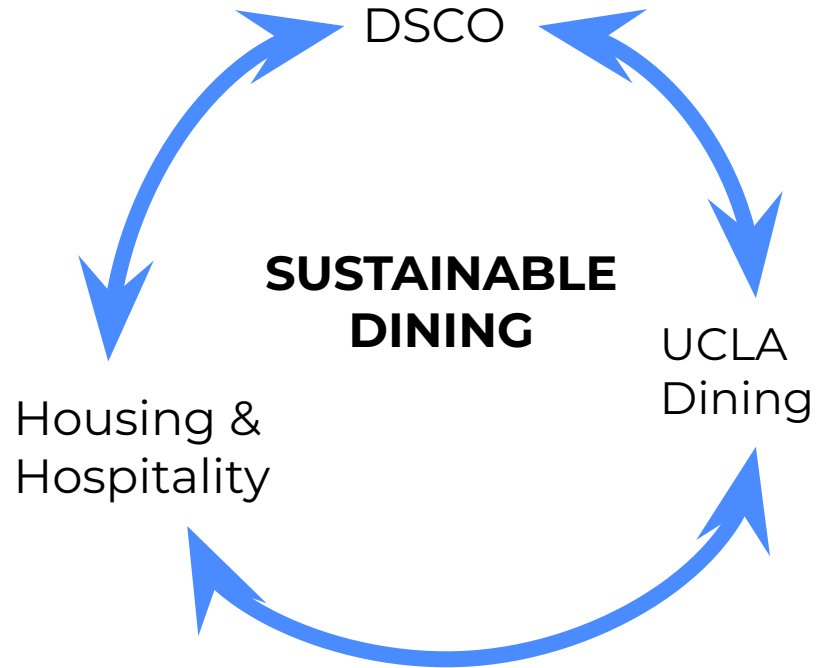
Transition to Jamix

Tag items as sustainable upon purchase

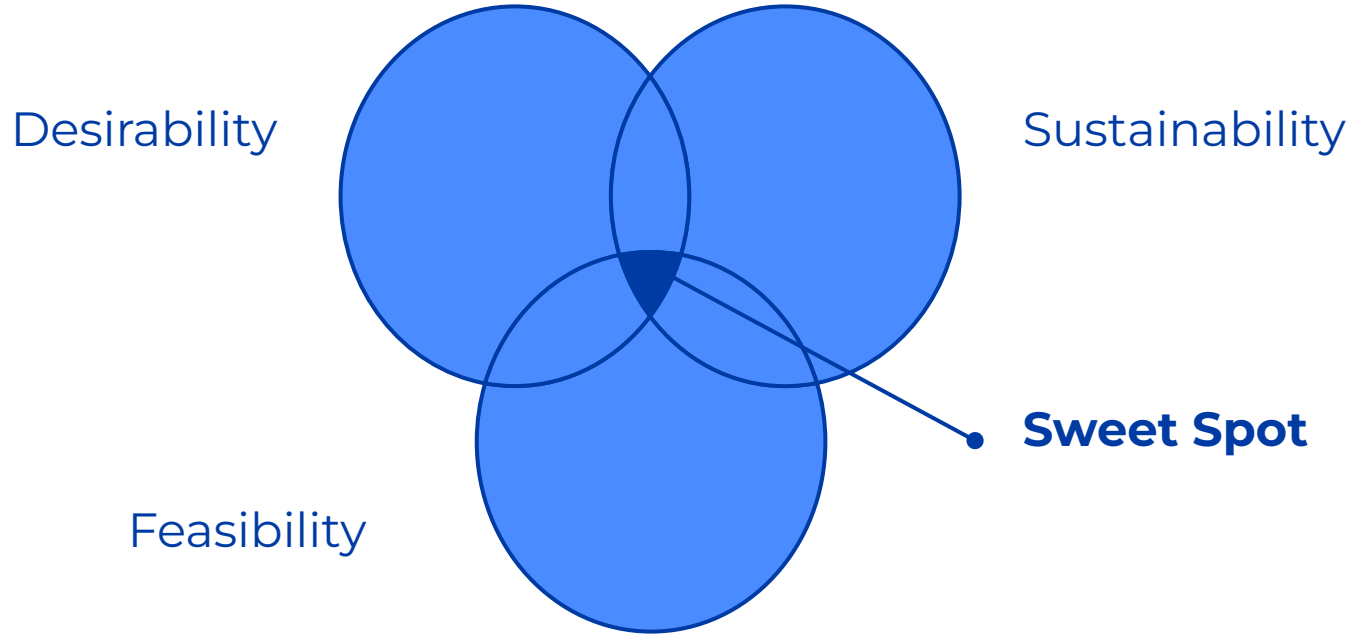


Takeaway #2 - Interdepartmental and Cross-Campus Collaboration

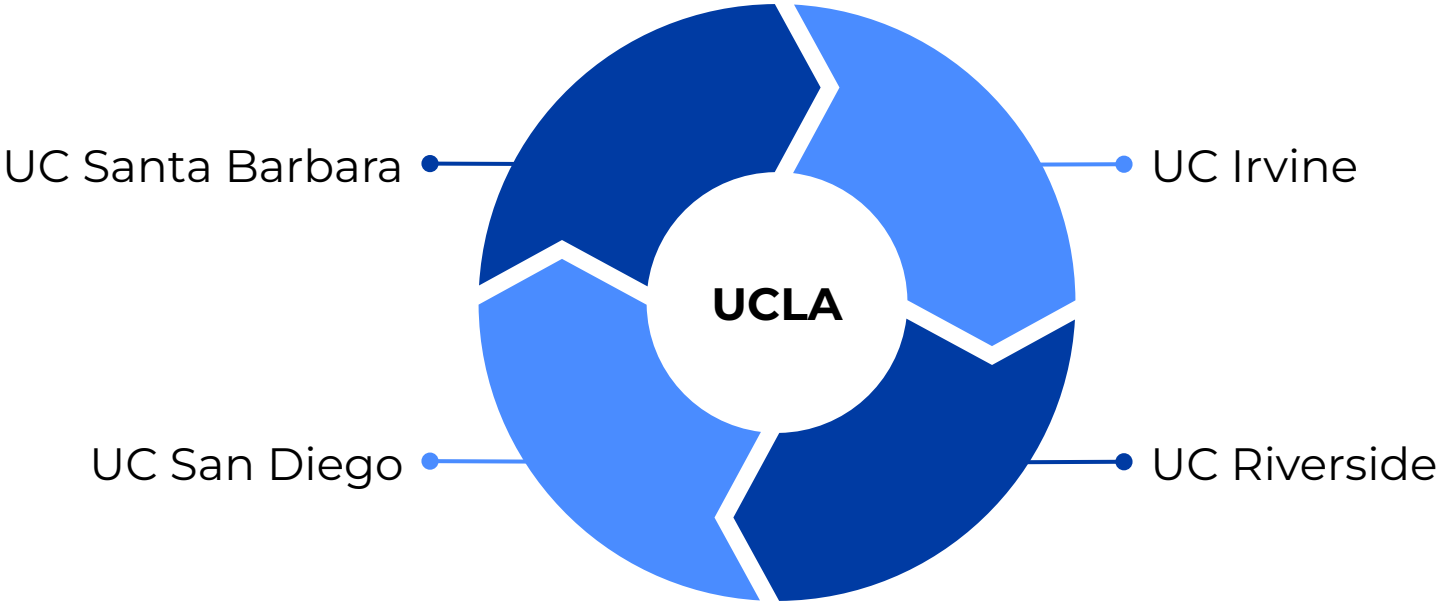
Stakeholders



Food Procurement Drivers



Cross-Campus Collaboration





Takeaway #3 - Vendor Recommendations

Alternative Vendor Options

Local Farms

- Account for farm ownership + distance from institution
- If unable to accommodate, move to larger distributors

Larger California Farms

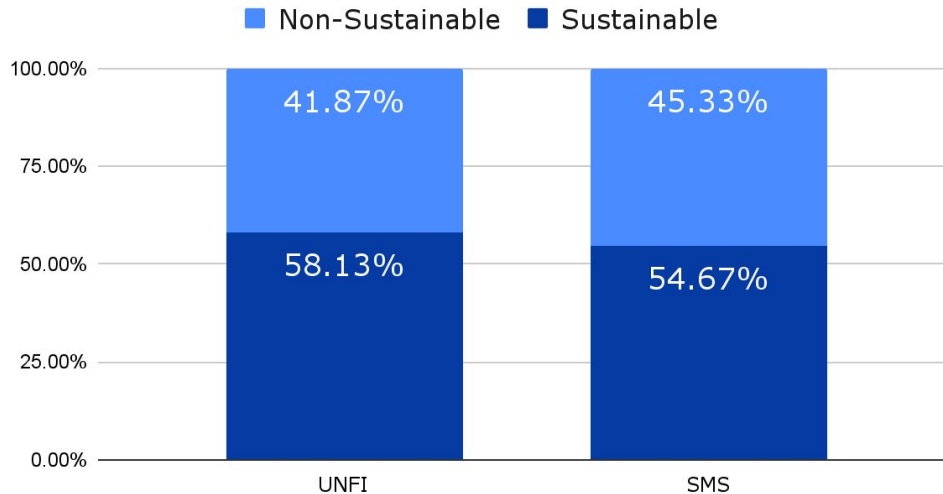
- Forneris Farms
- Sweredoski Farms
- Huarache Farms
- Straus Family Creamery
- La Tortilla Factory

Larger Vendors

- Buffalo Market
- Earthly Gourmet
- Earl's Organic
- Veritable Vegetable

Case Study: UNFI and SMS

Sample of October 2021 Purchases



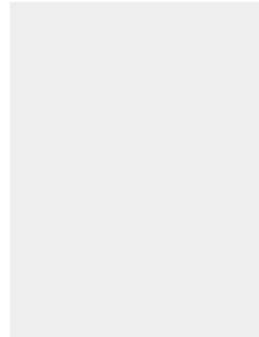
Least-Sustainable Items:

- Grains
- Dairy alternatives
- Shrimp

Issues stem from other vendors

04

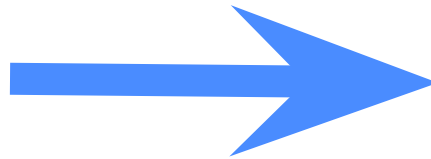
Significance



Campus Sustainability

Tracking	Faster, streamlined process	Reduced inefficiencies and human errors
Collaboration	Stronger communication networks	Decreased redundancies
Vendors	More sustainable purchasing	Better vendor relationships

8%



25%

Moving Forward

- **For stakeholders:**
 - Consider more **effective software**
 - Relook at **sustainability standards**
 - Better **communication**
 - DSCO ↔ Housing and Maintenance
- **For future SAR teams:**
 - Vendor research team revival

Thank you!

Brianna Moncada

Chef Joey Martin, Michelle Wellington,
Marcos Hernandez, Darin Schluep, Chamayo
Yniguez

Raquel Fox, Julia Wu, Jeff Van

Dr. Cully Nordby & Dr. Carl Maida