



USU EXTENSION SUSTAINABILITY PERMACULTURE INITIATIVE

2020 IMPACT REPORT



401.1 lbs
Logan Harvest

17.6 lbs
Moab Harvest

\$2,258.64
Total Harvest Value

31

Outreach Events

21 **10**

Online Events In-Person Events

874

Direct Participants

2,653

Webinar Recording Views



20,926

Permaculture Fridays
Social Media Reach

2,066

Visitors to
Permaculture Blog

9

Publications in
Mass Media &
Newspapers

13

Community Organizations
in Collaboration

55

New Meetup
Members

2

UCC AmeriCorps
Members

1,350

AmeriCorps Hours
Will Be Served

86

Volunteers

234

Hours of
Volunteering

\$3,097

of Fundraising &
Donations Received

\$111

Worth of
Plants Donated

Roslynn McCann

Lacy Pearce

Kate Weigel

Hillary Shughart

Jake Powell

WEBINARS, WORKSHOPS & EVENTS

TOPIC	PRESENTER	LOCATION	ATTENDEES	YOUTUBE VIEWS
February				
- Proper Pruning	S. Richards	USU Logan Garden	21	N/A
- Moab & Spanish Valley Water Resilience	R. McCann, J. Adams	Moab Arts & Rec Center	40	N/A
- Water Harvesting on the Farm	R. McCann	Utah Farm & Food Conference	45	N/A

"Fantastic. Very informative. I now have confidence when taking the clippers to my fruit trees."



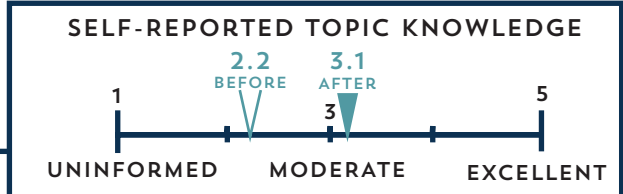
March				
- Permaculture Techniques For Microscale	R. McCann	Urban & Small Farms Conference	50	N/A
- Compost Double Dig Method: Chop and Drop Mulching	E. Hale, L. Pearce	USU Logan Garden	6	N/A
- On-Site Water Harvesting	R. McCann	Stokes Nature Center	11	N/A
April				
- Composting and Cover Crops	M. Stock	USU Zoom Webinar	18	466
- Inhabit: Film Discussions	K. Weigel	USU Zoom Discussions	7	N/A

"I feel like for the past few years I have gotten a little bit cynical with feeling like humans are a problem, I guess, and I really appreciated having the perspective that I used to have come back to me which is the feeling that humans are not the problem, we are just part of a large ecosystem and we have the ability to make it better. That was really inspiring. That was a great diving board for me to look into [permaculture] more."

"I am in the midst of converting our garden and large area beyond into food forest so this webinar had good suggestions..."

May				
- Tea and a Topic: Rainwater Harvesting	J. Adams	USU Zoom Webinar	35	438
- Backyard Food Forest Design	J. Quigley	USU Zoom Webinar	23	721
- Gardening in Crisis	R. Hayden-Smith	USU Zoom Webinar	9	264

"Professionally presented, starting with great history to actual hands-on clear understanding of engineering methods! This is full of great examples and definitions of why the heck it works! I live in Western WA so water saving isn't an annual issue, but if I learn these skills I can create special zones on my property in the drought years. Great job!"



WEBINARS, WORKSHOPS & EVENTS CONTINUED

TOPIC	PRESENTER	LOCATION	ATTENDEES	YOUTUBE VIEWS
June				
- Uncharismatic Microfauna: The Little Things that Run the World	T. Graham	USU Zoom Webinar	22	125
- Grey Water in Utah	R. McCann, J. Adams	CWEL Zoom Webinar	111	113
July				
- Social Permaculture: A Case Study	A. Reynoso Morris	USU Zoom Webinar	20	N/A
- Early Summer Garden Pests	M. Murray	USU Zoom Webinar	16	N/A
August				
- Worm Bin Composting	S. Duncan, K. Weigel, R. McCann	USU Zoom Webinar	42	230
- Where the Wild Bees Are	T. Pitts-Singer	USU Zoom Webinar	9	N/A
September				
- What Is Permaculture Garden Tours	L. Pearce	USU Logan Garden	32	N/A
- Roof Water Catchment in Utah	R. McCann, J. Adams	CWEL Zoom Webinar	104	128
- CWEL Student Q & A	R. McCann	CWEL Zoom Discussion	3	N/A

LIKELIHOOD OF APPLYING KNOWLEDGE GAINED



SELF-REPORTED TOPIC KNOWLEDGE



October

- Navajo Peach Tree Blessing	R. Wystalucy	USU Logan Garden	13	N/A
- Worm Bin Composting	R. McCann, K. Weigel	Swaner Zoom Webinar	24	N/A
- Intro to Permaculture Workshop	R. McCann, K. Weigel	Community Rebuilds	13	N/A
- Living Building Challenge	J. Manderfield, R Saunders	USU Zoom Webinar	19	157



"I had no idea that building materials were scrutinized so closely for content... The animation of water collection, filtration and distribution was easy to understand. Also was able to ask for additional clarification about tax credits during the session. Thanks for doing this!"

WEBINARS, WORKSHOPS & EVENTS CONTINUED

TOPIC	PRESENTER	LOCATION	ATTENDEES	YOUTUBE VIEWS
November				
- Intro to Plant Identification	M. Abbott	USU Zoom	99	TBD
- Green Infrastructure in Your Landscape	J. Adams, R. McCann	CWEL Zoom Webinar	82	11
Canceled (COVID-19)				
- Integrated Local Harvests	B. Lancaster, R. McCann	Moab City Council Chambers	N/A	N/A
- Regenerative Water Harvesting, Soil Conservation, & Soil Building	B. Lancaster, J. Adams, R. McCann	Moab Arts & Rec Center	N/A	N/A
- Intro to Permaculture Workshop	R. McCann, K. Weigel	Community Rebuilds	N/A	N/A
- Greywater	R. McCann	UT Water Conservation Forum	N/A	N/A
- Mushrooms Workshop	R. Jacobsen	USU Logan Garden	N/A	N/A

31 EVENTS WITH 874 DIRECT PARTICIPANTS & 2,653 RECORDING VIEWS

89% OF TOTAL SURVEYED PARTICIPANTS REPORTED INCREASED KNOWLEDGE

NEWSPAPER FEATURES

TITLE	AUTHORS	PUBLICATION	DATE
- Moab Community Funds Solar Dehydrator Project	Kate Weigel, Roslynn McCann	Moab Happenings	September Issue
- Finding Community and Environmental Hope in Moab's Bee Inspired Gardens	Roslynn McCann	Moab Sun News	September 24
- Community Solar Dehydrator Project Completed	Kate Weigel, Roslynn McCann	Moab Happenings	October Issue
- Get Wild About Weeds and Grow your Harvest	Roslynn McCann, Kate Weigel	Moab Happenings	November Issue
- Food Waste to Garden Magic: All Under Your Kitchen Sink	Roslynn McCann, Kate Weigel	Moab Happenings	December Issue



MASS MEDIA & PUBLICATIONS

- Revised August 2020. 2018 Department of Environmental Quality Report: Case study of USU Moab Permaculture Garden, <https://documents.deq.utah.gov/water-quality/stormwater/updes/DWQ-2019-000161.pdf>

- August 23. Simple & effective gravity-fed greywater harvesting systems legalized in Utah. Greywater policy and implementation work featured on Brad Lancaster's Rainwater Harvesting for Drylands and Beyond website. Available at: <https://www.harvestingrainwater.com/2020/08/23/-simple-effective-gravity-fed-greywater-harvesting-systems-legalized-in-utah/>

- February 15. Local landscape designer offers workshops on permaculture starting Feb. 17. Quoted in the Moab Sun News. Retrieved from: http://www.moabsunnews.com/get_out_and_go/article_599f8ca2-5050-11ea-b90d-db73ced7da2d.html

January 2020 Issue No. 3. Important to rural Utah. Residential greywater efforts featured in John Curtis' Utah CD-3 Newsletter. Retrieved from <https://curtisforms.house.gov/news/email/show.aspx?ID=J2IVR6BIJ517G>

YOUTUBE VIDEOS

TITLE	LENGTH	VIEWS	LIKES
Moab Native Bee Habitat	1 min. 17 seconds	223	10
Brush Mineral Structures	15 min. 18 seconds	287	11
USU Moab Permaculture Garden	1 min. 13 seconds	234	10
Happy Earth Day from USU Extension Sustainability	3 min. 47 seconds	117	6



TABLING AT MOAB MARKET ON CENTER

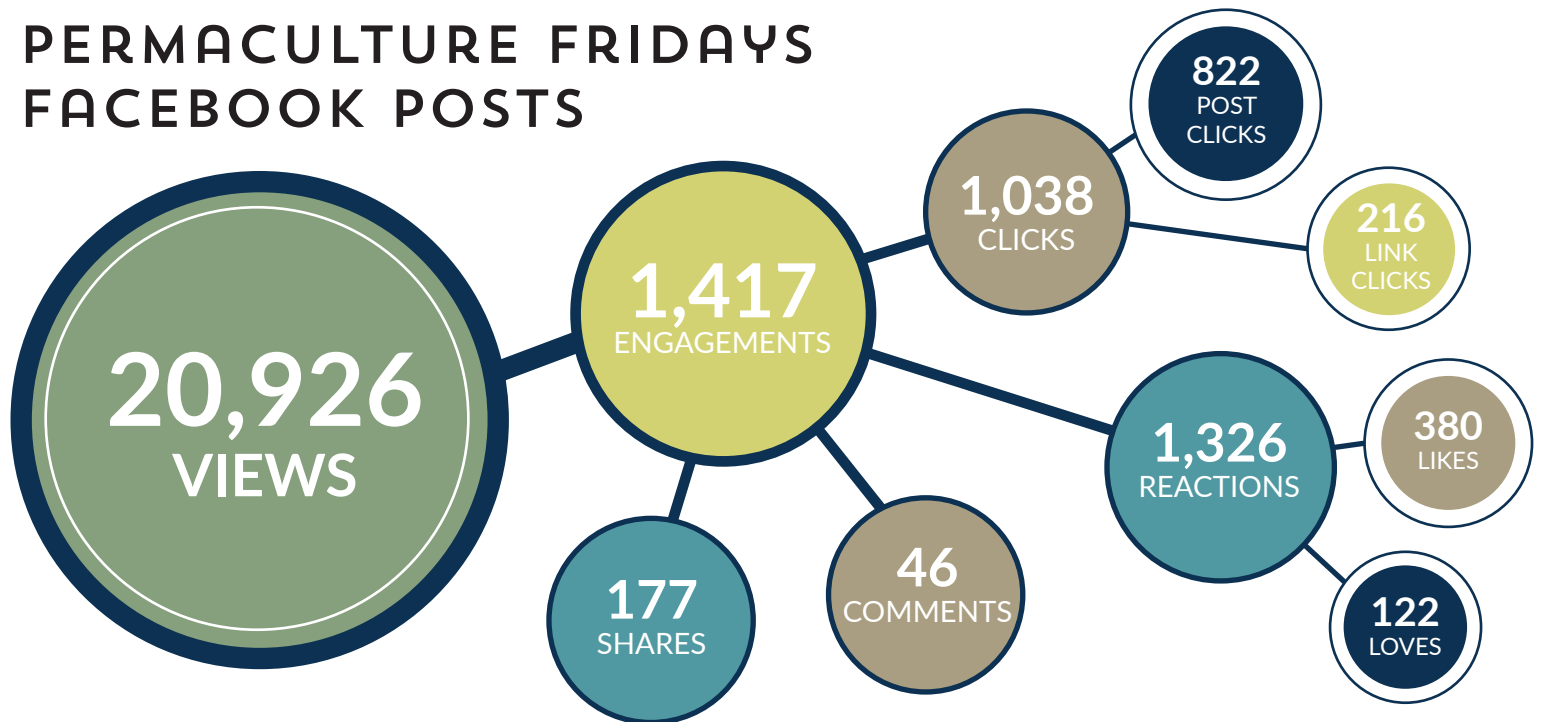
TOPIC	DATE	VISITORS	HANDOUTS DISTRUBUTED
-Solar Dehydrator	October 15	23	12
-Native Bee Houses	September 17	25	7
-Worm Composting	September 3	15	11

BEE INSPIRED GARDENS

- Revised foundational document
- Built and distributed 1 native bee house made of construction waste material.
- Coordinated 7 meetings of the Bee Inspired Gardens Initiative
- Approved 6 residential applications for BIG designation
- Approved 5 public applications for BIG designation
- Began application for Bee City USA designation



PERMACULTURE FRIDAYS FACEBOOK POSTS



HARVESTS

PRODUCT	QUANTITY	MARKET VALUE
Apples	15 lbs	\$64.65
Apricots	34 lbs	\$135.66
Beans	2 lbs	\$7.98
Basil Seeds	.1 lbs	\$1.69
Calendula Seeds	.1 lbs	\$3.95
Carrots	19 lbs	\$75.81
Cherries	26 lbs	\$207.74
Currants	6.6 lbs	\$76.96
Elderberries	35.5 lbs	\$413.93
Garlic	1 clove	\$3.00
Grapes	5.7 lbs	\$15.20
Kale	28 lbs	\$187.32
Lavender	14 bunches	\$70.00
Lemon Balm	.4 lbs	\$8.34
Nanking Cherries	1.3 lbs	\$13.98
Onions	9 lbs	\$11.61
Parsley	8 bunches	\$24.56
Peaches	16.9 lbs	\$76.90
Peas	46 lbs	\$206.54
Peppers	3 lbs	\$14.97
Plums	51 lbs	\$210.12
Potatoes	37 lbs	\$147.63
Pumpkin	3 lbs	\$8.97
Salad Greens	4 lbs	\$27.16
Serviceberries	3.1 lbs	\$36.12
Summer Squash	7 lbs	\$20.93
Tomatoes	10 lbs	\$59.90
Turnip Greens	2 lbs	\$1.98
Turnips	37 lbs	\$110.63
Radishes	7 bunches	\$13.93
Rhubarb	30 stalks	\$43.15
Winter Squash	3 lbs	\$8.97
TOTAL:	418.7 LBS	\$2,258.64

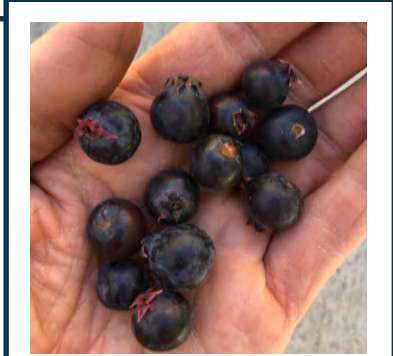
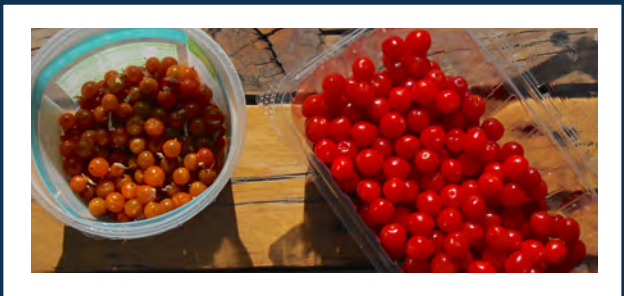


MOAB HARVESTS:
17.6 POUNDS OF PRODUCE,
13 BUNCHES OF LAVENDER

\$158.43 VALUE

LOGAN HARVESTS:
401.1 LBS OF PRODUCE,
8 BUNCHES OF PARSLEY,
35 STALKS OF RHUBARB,
5 BUNCHES OF RADISHES

\$1,989.85 VALUE



HARVEST DESTINATIONS

MOAB

.8 lbs of produce

**ST. FRANCIS
EPISCOPAL
CHURCH**

14.8 lbs of produce,
11 bunches of lavender

**MOAB VALLEY
MULTICULTURAL
CENTER**

2 lbs of produce
2 lavender bunches

**COMMUNITY
MEMBERS &
URBAN
FORAGERS**

4 lbs of
carrots

**CACHE
COMMUNITY
FOOD
PANTRY**

LOGAN

97.3 lbs of
produce

**USU
GLENNING
TEAM**

121 lbs of produce,
17 stalks of rhubarb,
6 bunches of parsley
1 bunch of lavender

**COMMUNITY
MEMBERS &
URBAN
FORAGERS**

130.7 lbs of produce,
18 stalks of rhubarb,
4 bunches of radishes,
2 bunches of parsley

**STUDENT NUTRITION
ACCESS CENTER
(SNAC)**

35 lbs of fruit
WINDFALL

13 lbs of produce,
2 bunches of parsley
1 bunch of radishes

**CAMPUS
KITCHEN**

PLANT DONATIONS

PLANTS RECEIVED

- 6 trees
- 88 perennial flowers & grasses
- 68 annual vegetables & flowers
- Bulk seeds & mushroom spawn

**162 PLANTS RECEIVED
AT VALUE OF \$1,842**

PLANTS DONATED

- 13 Rubber Rabbitbrush to Stuart Nature Park
- 5 perennial plants & 4 vegetable plants to volunteers

**22 PLANTS DONATED
AT A VALUE OF \$111**



SERVICE

ACTIVITY

NUMBER OF VOLUNTEERS

TOTAL HOURS SERVED

Logan

- Guest Lecturers	7	19
- Garden Care	51	126
- UCC AmeriCorps	1	900

Moab

- Guest Lecturers	8	30
- Bee Inspired Gardens	8	32
- Solar Dehydrator	12	31
- UCC AmeriCorps	1	450

10 garden volunteers were high-risk individuals who performed 62.25 community service hours for probation/recovery

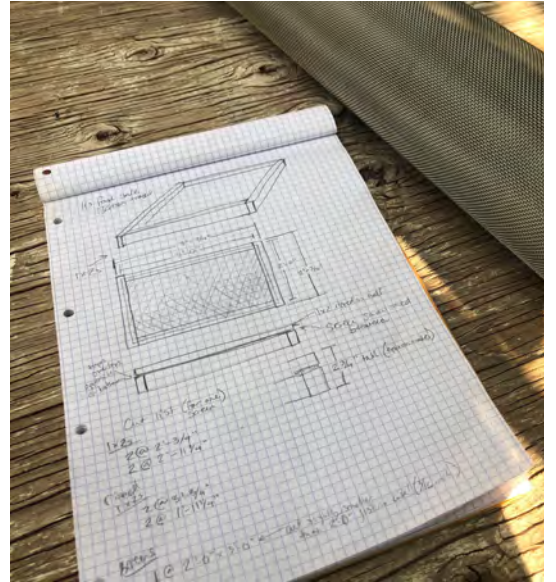


SOLAR DEHYDRATOR

- \$1,130 raised with online crowd-funding campaign
- Solicited \$125 worth of in-kind donations
- Collaborated with local nonprofits to bring the idea to reality



"I love that our town is full of community resources like this!"
-Donor to Solar Dehydrator campaign



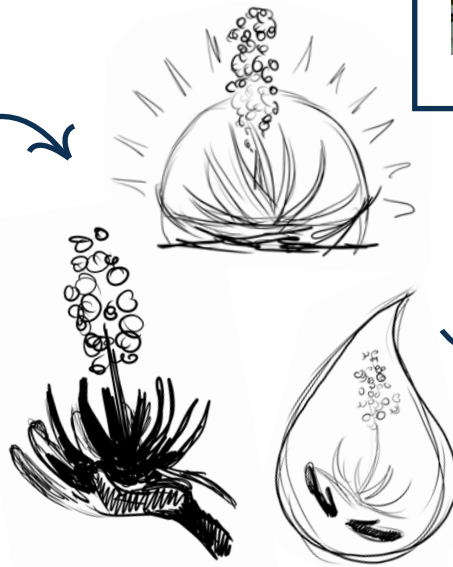
COMPLETED DEHYDRATOR CAPABLE OF PRESERVING DOZENS OF POUNDS OF FRUIT, VEGETABLES, AND MEAT AT ONCE WITHOUT ANY ELECTRICITY



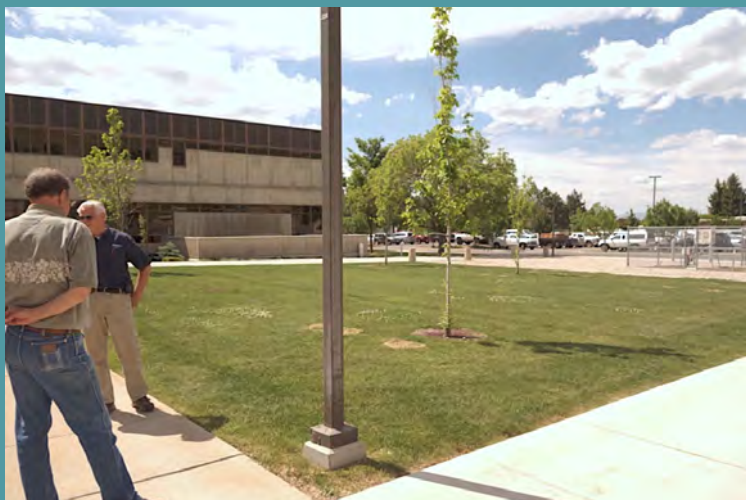


GROWTH AND PROGRESS

- Added Alyssa Reidhead as a new member to the Permaculture Initiative team
- 155 emails added to the permaculture list serv.
- 59 new Logan Permaculture Meetup members
- Developed new Permaculture Initiative logo
- 82 garden photos added to USU Extension website
- 3 entries added to the USU Permaculture Blog



LOGAN SITE: 2013



LOGAN SITE: 2020

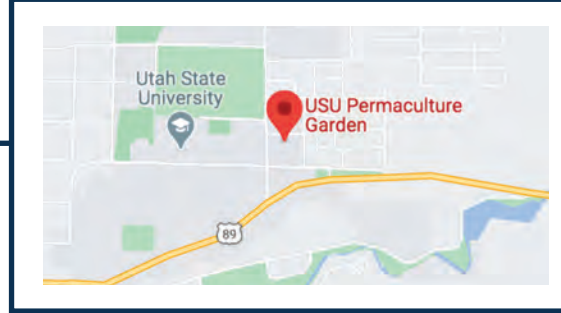


COMMUNITY COLLABORATIONS



OTHER IMPACTS



- USU Moab and Logan Permaculture Gardens added to Google Maps
- Pivoted from in-person workshops to online webinars due to COVID-19
- 57 events added to new Moab Ecological Events Calendar

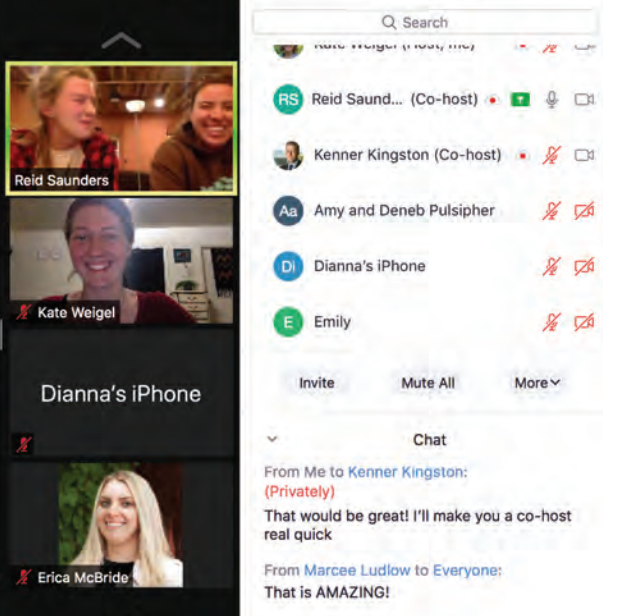


COMMUNITY REBUILDS + LBC

Some of the biggest hurdles have been:

→ Water Management



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