

USU PERMACULTURE INITIATIVE 2019 IMPACTS



334 lbs
FRUIT HARVEST



355 lbs
VEGGIE HARVEST



\$2,278
HARVEST VALUE



3,200
Pounds of Concrete
Reused From Campus
Construction

135
Cubic Feet of Mulch
Added to Garden

162
Cubic Feet of Soil
Rehabilitated Using
Campus Composting

5,000
Pounds of dry
Poplar placed into
hugelculture mounds



864
Direct Participants



75
Garden Volunteers



23
Permaculture
Outreach Events



215
Mini Egg Carton
Greenhouses



6
Destinations for
Garden Harvest



20
Interviews with
National Leaders
in Permaculture

198
Members of USU
Permaculture Meetup,
x2 From Last Year

21
USU Permaculture
Sabbatical Blog Posts

41,204
Views on Social Media
(Facebook and Blog)





USU
PERMACULTURE
INITIATIVE 2019
IMPACTS

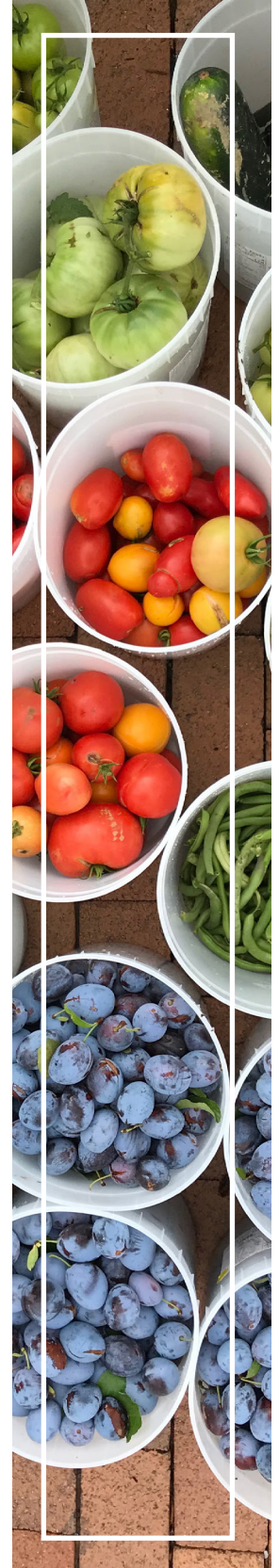
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GARDEN HARVEST BREAKDOWN

	SMAC - USU FOOD PANTRY	USU NDF'S DEPARTMENT	THE FAMILY PLACE	PEDESTRIAN HARVEST	CAMPUS KITCHEN	CAMPUS COMPOSTING	TOTAL POUNDS	MARKET VALUE*
RHUBARB				5.5 lbs		5.5 lbs	11.0 lbs	\$23.05
PEACHES	26 lbs		5.0 lbs		3.2 lbs	34.2 lbs	69.4 lbs	\$91.66
NECTARINES			30.0 lbs		2.5 lbs	32.5 lbs	62.5 lbs	\$97.50
PLUMS	75.7 lbs	28.1 lbs	10.0 lbs		20 lbs	133.8 lbs	267.6 lbs	\$401.40
APRICOTS	9.9 lbs		10.0 lbs		46 lbs	65.9 lbs	121.8 lbs	\$262.93
CHERRIES	8.4 lbs		5.0 lbs	13.8 lbs	3.0 lbs	27.2 lbs	57.4 lbs	\$120.49
APPLES		10.2 lbs	1.0 lbs		7.8 lbs	19.0 lbs	38.0 lbs	\$44.84
SUMMER SQUASH	14.2 lbs	4.0 lbs	4.0 lbs			22.2 lbs	44.4 lbs	\$29.08
WINTER SQUASH	0.8 lbs	7.5 lbs	8.1 lbs			16.4 lbs	32.4 lbs	\$41.00
ZUCCHINI	3.9 lbs	21.9 lbs	45 lbs	5.0 lbs		75.8 lbs	151.6 lbs	\$142.46
BEANS	1.0 lbs	5.6 lbs	1.2 lbs			8.8 lbs	17.6 lbs	\$18.29
CUCUMBERS	4.9 lbs		3.8 lbs			8.7 lbs	17.4 lbs	\$20.64
TOMATOES	5.7 lbs	30.5 lbs	2.0 lbs		2.0 lbs	40.2 lbs	80.4 lbs	\$140.70
GREEN TOMATOES	2.5 lbs	43.8 lbs			5.0 lbs	51.3 lbs	102.6 lbs	\$179.55
RAINBOW POTATOES		~100 lbs				~100 lbs	~200 lbs	~\$399.00
PEPPERS		3.2 lbs				3.2 lbs	6.4 lbs	\$14.40
KALE		~9.6 lbs				~9.6 lbs	~19.2 lbs	~\$20.84
BASIL		5.3 lbs				5.3 lbs	10.6 lbs	\$127.20
HERBS	~2.0 lbs			.65 lbs		2.65 lbs	5.3 lbs	\$39.75
ONIONS		~6.0 lbs				~6.0 lbs	~12.0 lbs	~\$17.94
ELDERBERRIES			15.0 lbs		2.5 lbs	17.5 lbs	35.0 lbs	\$34.83
CURRENTS	1.8 lbs		2.0 lbs			3.8 lbs	7.6 lbs	\$11.36
TOTAL	156.8 lbs	237.4 lbs	100.4 lbs	85.0 lbs	19.9 lbs	691.5 lbs	1386.0 lbs	\$2278.00

*Market Value based off local summer organic produce prices per pound, as well as the USDA Weekly National Retail Report - Specialty Crops

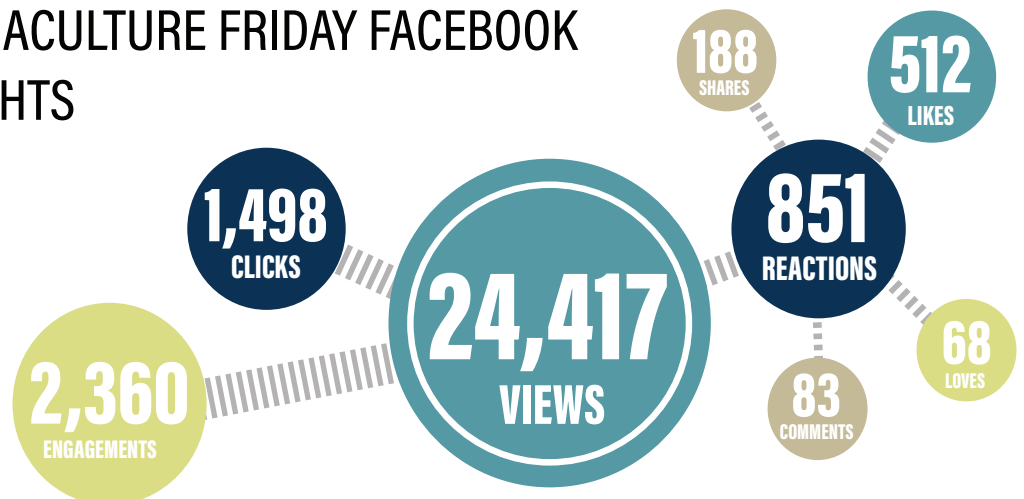


OUTREACH/INVOLVEMENT



WORKSHOP/EVENT	COORDINATOR	LOCATION	PEOPLE
JANUARY			
- Permaculture: Native and Local Food production	Quigley, J	USU's Health and Wellness Fair, Student Center	125
MARCH			
- Bridgerland Audubon Society: Tree Trimming and Tree Care	Davis, R	Logan City Environmental Bldg classroom	12
- UNA-USA group discussion, Leadership Panel for United Nations NGO Sustainable Communities	Quigley, J	University of Utah, Peterson Heritage Center	22
APRIL			
- EcoHunt: Mulch and Urbanite: Volunteer project to extend herb spiral, garden tour and intro to permaculture	Quigley, J	USU Permaculture Garden, Earth Week Celebration EcoHunt scavenger hunt	16
- Earth Week: In what ways can you share your love for the Earth? Permaculture Boards	Quigley, J	Tabling at USU's Earth Day, Logan, Utah.	152
- Plant Identification: Aggie Blue Bikes Earth-week Alleycat Race	Quigley, J	USU Permaculture Garden	23
- Permaculture/Hugelculture Introduction for Zion Mountain Ranch LAEP Interns	Quigley, J	USU Permaculture Garden	6
SUMMER			
- Volunteer weeding, garden maintenance, and summer help.	Quigley, J	USU Permaculture Garden	5
AUGUST			
- Edible Landscape Tour: Teach attendees about campus edibles.	Holzer, D	USU Permaculture Garden/USU Logan Campus	37
- NEHMA Mobile Art Truck Mandala Rock Painting	Byrd, E	USU Permaculture Garden	27
- Edible Landscape Tour 2: teach attendees about campus edibles	Holzer, D	USU Permaculture Garden/USU Logan Campus	35
- NEHMA Mobile Art Truck: Decoy Strawberry Rock Painting	Byrd, E	USU Permaculture Garden	15

PERMACULTURE FRIDAY FACEBOOK INSIGHTS

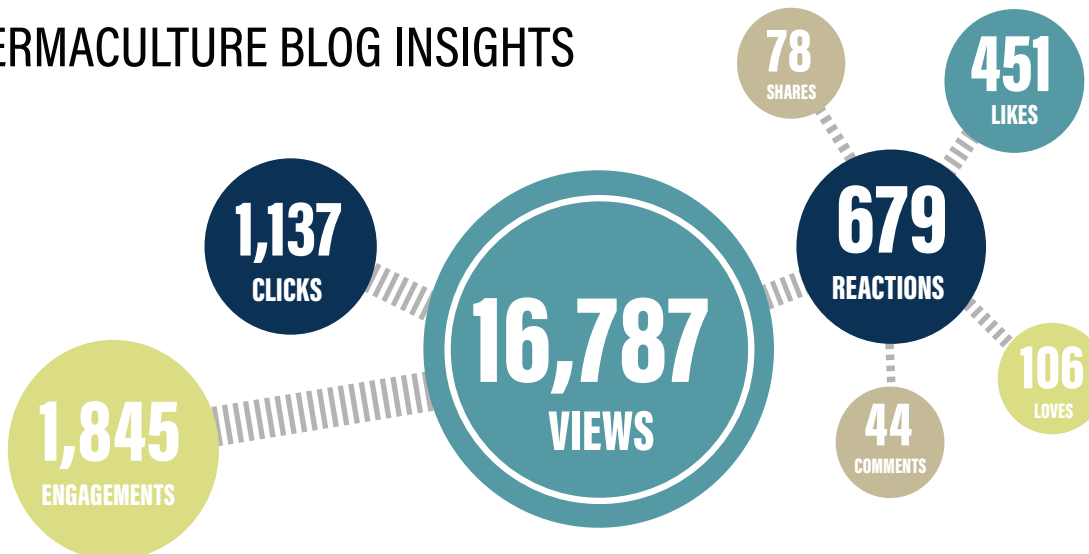




WORKSHOP/EVENT	COORDINATOR	LOCATION	PEOPLE
SEPTEMBER			
- Blue Goes Green Day: Lavender Cutting Workshop	Quigley, J	First Damn, Logan UT	147
- Day on the Quad; Lavender Cutting and Permaculture Intro	Quigley, J	USU Campus Quad	108
- Vegetable Production and Tour with USU Dietetics Department	Aguilar, S Quigley, J	USU Permaculture Garden, Food Science Building	14
- Urbanite Path Laying in Herb Spiral - Volunteer Event	Quigley, J	USU Permaculture Garden	10
- USU Sustainability Council Garden tour and Introduction to Permaculture	Quigley, J	USU Permaculture Garden	12
- USU Plant Science Club Garden tour and Introduction to Permaculture/Hugelculture	Quigley, J	USU Permaculture Garden	11
OCTOBER			
- Total yearly harvests between Dietetics students, SNAC, and community volunteers	Quigley, J	USU Permaculture Garden, SNAC Kitchen	30
- SOSNR Intro to Permaculture: Presentation and Garden Tour	Quigley, J	QCNR Building, Permaculture Garden	18
- Propagation and Transplanting: Exercise with Plant Science Club	Quigley, J	USU Permaculture Garden	14
NOVEMBER			
- Canyon Conversations: Permaculture at USU	Quigley, J	Stokes Nature Center	10
- Sustainability Club: Garden Tour and Introduction to Permaculture	Quigley, J	USU Permaculture Garden	14
- Volunteer transplanting project, winter garden preparation and herb harvest	Quigley, J	USU Permaculture Garden	14



PERMACULTURE BLOG INSIGHTS



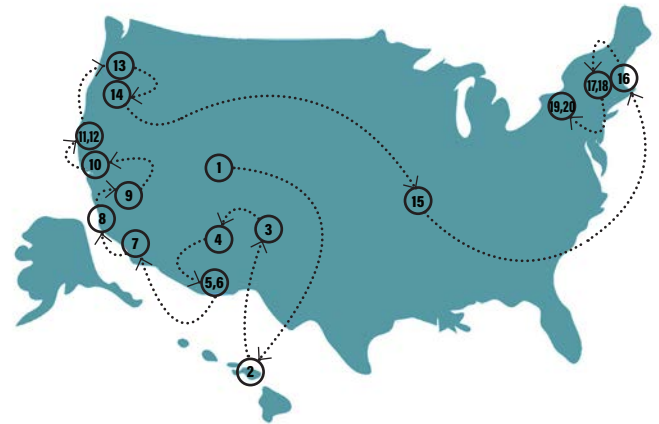
PROGRESS - GROWTH - IMPROVEMENTS

DR. ROSLYNN BRAIN MCCANN'S SABBATICAL



Dr. Roslynn Brain McCann had the opportunity to travel the country on a permaculture focused sabbatical that resulted in interviews and connections with 20 different leaders and permaculture groups.

The variety of knowledge, unique applications, and new insight gained from this experience will help to further the education, involvement, and experiences that USU's Permaculture Initiative seeks to provide to students and the local community.



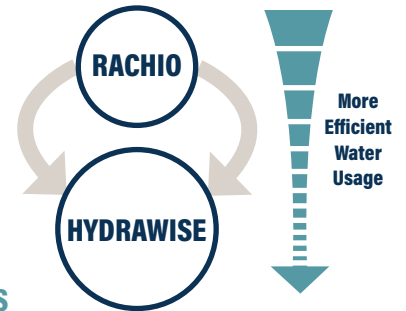
EVOLUTION AND GROWTH



650%
PRODUCTION INCREASE
OVER 2018

338%
INCREASE IN VOLUNTEERS

NEW IRRIGATION SYSTEM



ZONE ONE DISRUPTIONS

Due to ongoing construction on the NDFS building, Zone One was compacted, the topsoil removed, and irrigation destroyed. As such, complete reconstruction and rehabilitation of Zone One was required.

In the process of rebuilding, a complete redesign in order to better reflect permaculture principles was implemented. The new Zone One now functions as both a functional and demonstration aspect of the overall garden, displaying a "keyhole" design to maximize spacial usage.

Despite an incredibly shortened growing season, the area was more productive per square foot than in the past due to the new layout and improved soil.



"Keyhole" design to maximize space and efficiency, new irrigation



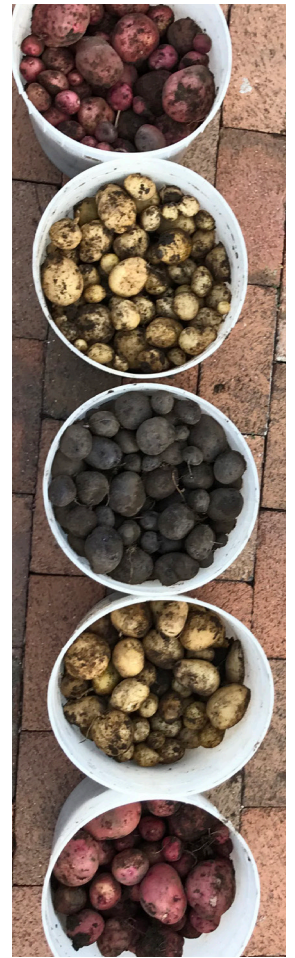
Complete lack of organic material in soil, removed and rehabilitated



Immediately following initial planting at the end of June



Prior to NDFS student harvest in mid-September, rapid infill growth



OUR PARTNERS

USU Facilities
 NDFS Department
 Extension Sustainability
 Extension LAEP
 Bridgerland Audubon Society
 Utah Conservation Corps
 NEHMA

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Shane Richards
 Dawn Holzer
 Bill Bradbury





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