“The Haverfarm is a year-round farming and educational space designed to integrate sustainable food and agriculture into the academic and extracurricular lives of Haverford students, faculty, staff, and community members. With a focus on interdisciplinary and experiential learning, the Haverfarm invites students and other members of the community to engage with issues of food justice and local, progressive agriculture. Produce is distributed to students, community members, the dining center and local food banks.”

(Haverfarm Mission Statement, 2018)
Table of Contents

Mission Statement .................................................................................................................. 1
Introduction ............................................................................................................................. 3
Meet the Farmers ...................................................................................................................... 4
Student Group Engagement and Collaboration ................................................................. 6
Community Outreach .............................................................................................................. 7
Sharing the Harvest .............................................................................................................. 9
Harvest Totals April-November 2018 ................................................................................... 10
Curriculum Connections ..................................................................................................... 11
Financial Review .................................................................................................................. 12
Reflections .............................................................................................................................. 12
Looking Forward .................................................................................................................. 13

*Cover photos by Madison Tillman, 2018
Introduction & History of the Haverfarm

Haverfarm originated in 2010 with a group of students pushing to practice sustainable agriculture on campus. These students built a garden of raised beds in the Haverford College Apartments and established the first Farm Club. In 2012, following the destruction of a temporary parking lot behind Haverford facilities, the Environmental Studies Capstone led by Helen White worked to create the large Haverfarm plot and community garden. Under the guidance of Prof. Helen White and Claudia Kent, of the Haverford Arboretum, the Haverfarm Club developed a funding proposal for the farm and Farm Fellow Position. (Alison Love, Haverfarm Programming and Funding: Reflection and Proposal. 2018)

Today, the Haverfarm club still functions as the core group of students who organize farm events and work the land. This student-led organization is supported by the Environmental Studies Department and the Arboretum. During the semester, the farm club hosts various activities on the farm in which they gain experience in planning, crop selection, planting, growing and harvesting. Through these practices students acquire leadership skills and develop relationships with the surrounding community. There are currently sixteen student interns training as the new farm leaders.

The land stewarded by Haverfarm consists of a production plot, located in the Haverford Community Gardens, and two smaller community plots located in the Haverford College Apartments. The farm has grown to include a greenhouse, classroom, an orchard area, and beehives adjacent to the production plot. The Haverfarm is a living laboratory where everyone is welcome to explore agroecology and develop their own land-based practices. We hope that visitors take what they have learned back to their own fields and families.

This document serves as a comprehensive report of the continued progress of the Haverford College Farm. Its goal is to provide a detailed reflection on the farm's engagement with the community, its productivity, and its commitment to the mission. I would like to acknowledge the work that previous Farm Fellows Aubrey Deleon and Jahzara Heredia have done to bring the farm to where it is today, and to develop a model for the Haverfarm Annual Report. I especially would like to thank Jahzara for the thoughtful Summer 2018 Report upon which this document builds.
The Farmers

Jahzara Heredia ‘16 was the Farm Fellow from September 2016 to September 2018, handling the daily maintenance of the farm, as well as coordinating relationships with faculty, students, and visiting organizations. She has done research on food security and community resilience in Iowa (2013), Havana, Cuba (2014), and Puerto Rico (2017). She is an organic land care professional accredited by the Northeastern Organic Farming Association and certified in Phytotherapy from Gold Water Alchemy Educational Center. Jahzara has been working with Haverfarm since 2013 and is passionate about its development as she transfers her role over to Madison Tillman.

Madison “Tilly” Tillman, an active student farmer during her time at Haverford, was very excited to step into the role as Haverfarm Fellow in September of 2018. In addition to volunteering and learning from Jahzara at the Haverfarm, she has worked as a farm and stable hand in Arkansas and Maryland, respectively. She majored in Sociology with a minor in Education and believes strongly in the intersections between these fields and sustainable/ethical agriculture. Tilly is excited to continue the growth of the Haverfarm within the Haverford Community, and to continue building relationships between the farm and other sustainability and social justice oriented organizations in the Philadelphia area.

Leia Thompson ‘20, a sociology major and health studies minor, began working at Haverfarm as a stress relieving hobby, but soon became one of the student workers and eventually a summer intern sponsored by the Center for Peace and Global Citizenship (CPGC). This fall, Leia was a paid student farmer funded by the Environmental Studies Department. She is an advocate for redistributing agricultural power into the hands of black and brown people and increasing food autonomy and access in underprivileged communities. Leia loves working outdoors and learning about the connections between the land, plants, and people.

Margaret Chen’ 21, an Environmental Studies Major on the pre-med track, is a student farmer and summer intern funded by the Arboretum. This fall, Margaret was a paid student farmer funded entirely by the Haverfarm’s CSA and farm stand proceeds. She is interested in herbalism and foraging weeds for eating and decoration. Her favorite part of farming is harvesting; “it’s amazing to see the progress of plants from seed to sprout and it reminds me that hard work and dedication lead to success.” Margaret often leads plant walks for children from Serendipity Day Camp and co-taught one of the Fall P.E. sections this year.

Alicia Lopez-Torres ‘20 is an International Studies major from the Mission and Bayview districts of San Francisco, California. They first volunteered with the Haverfarm their sophomore spring, and immediately got hooked. Throughout summer 2018, they worked at Alemany Farm, a local community garden in San Francisco that produces free and organic food for the community. During that time, Alicia also took an introduction to horticulture course that continues to shape their interactions with both Alemany and the Haverfarm. This fall, Alicia was a paid student farmer funded by the Arboretum, about which Alicia says, “I am extremely grateful for this opportunity. I hope to make the farm more accessible to students, plant more native plants, and be aware of our colonizing history/presence on this land.”
Griffin Kaulbach ’21 majors in Environmental Studies with a minor in Health Studies. This summer in addition to working at the Haverfarm, Griffin volunteered weekly at East Park Revitalization Alliance, a nonprofit in the Strawberry Mansion neighborhood. Originally from Center City, Griffin has enjoyed learning about urban farms in West Philadelphia and North Philadelphia. She has also enjoyed collaborating with other interns on a recipe book for food grown at Haverfarm. Her summer internship was sponsored by the Environmental Studies Department.

Ellis Maxwell ’20 discovered his passion for gardening at Haverfarm and became a summer intern sponsored by the Arboretum. Throughout the summer he created various tea blends from the herbs growing in the HCA. This fall, Ellis co-taught one of the P.E. classes and used his position as a customs team member to bring many first-years to the farm. Ellis majors in English and minors in Political Science. He is a member of Rethink Incarceration, an on-campus group that advocates for the abolition of prisons, and works in solidarity with all incarcerated people. Ellis also plays vibraphone in the Bi-Co Jazz Band.
Student Group Engagement and Collaboration

Ethos Food Initiative is a student-led, food-activism group working to make “ethical, transparent, homegrown, organic, and sustainable” food more accessible on campus. Haverfarm collaborates with Ethos and the Haverford College Dining Services on the Food Systems Working Group, which helps the college source local and sustainable food for our campus. Haverfarm participates in Ethos’ annual Food Day event which gathers farmers, food activists, and restaurateurs from the Philadelphia area to celebrate the role that food plays in our community.

This fall, the farm and Haverford’s 8th Dimension office worked together to bring six first-year customs groups to the farm for volunteer workdays between September 15th and October 13th. These three-hour workdays began with a tour of the farm where the first-years learned about the history, mission, and everyday maintenance of the farm. The groups then jumped into projects in the Production Plot and HCA garden, including weeding, harvesting, prepping beds, seeding cover crop, and turning the compost.

Each semester the farm supplies Ehaus, the environmental student community house, with fresh produce for their weekly community dinners, hosted Thursdays at 6:30pm. Every fall, the special Haverfarm-Ehaus Dinner is sourced almost entirely from the farm. This year the collaboration took place on October 25, and served more than 55 students and community members. The Haverfarm was happy to provide carrots, cabbage, peppers, garlic, lettuce mix, herbs and more for delicious spring rolls and salad.

In addition to these ongoing collaborations, Haverfarm hosts monthly volunteer work-parties where we invite students to get to know the farm by working together with music and snacks. Occasionally, a team or student group will reach out to the farm to schedule a volunteer workday geared at bonding their team or group. For example, this March the Men’s Lacrosse team came for a team-building work day in the HCA garden, and they plan to do so again in March of 2019.
Community Outreach

This year we kicked off our community engagement by inviting folks to share their agroecology experiences at the Student Farmer Symposium on February 17th. The Symposium consisted of three keynote speakers, a poster session, two panels, and a dinner. It was well attended by students from Haverford College, Bryn Mawr College, Swarthmore College, Eastern University, and Johns Hopkins University. Our keynote speakers were Rafter Sass Ferguson, professor of permaculture, Tommy Joshua, director of North Philly Peace Park, and Krystal Garcia, an ecological wellness specialist.

We facilitated a Roots of Unity spring semester program, which took the form of four sessions between April 4th and June 4th. The participants were Mr. Tyler Conway’s third grade class from Community Partnership School. The sessions focused on topics of sustainable agriculture and food sovereignty. The students learned about soil science and how to identify local plants. We had one field trip to North Philly Peace Park.

Next, we collaborated with SURGE (Sons United, Realizing Goals of Excellence), co-founded by Maurice Rippel ’19. SURGE provides a support network for young boys of color in Ardmore and local neighborhoods. They are mentored by men of color at Haverford College. We hosted a delegation from SURGE on April 14th who toured the farm and learned about transplanting.

Phoebe Thorne Kindergarten made two trips to the farm on April 16th and May 11th. They learned about how microgreens are grown and were introduced to the Spring crops in our production plot.

Community Workdays were hosted every other Sunday by student farmers in the Spring Semester.

On April 5th, we hosted a large group of New York City high school students on The Brotherhood/Sister Sol College Tour. Founded in 1995, The Brotherhood/Sister Sol provides comprehensive, long term services to youth ages eight to twenty-two.

We hosted a class visit from the Philadelphia Parent Infant Center in June. This was our second year receiving a delegation from the Parent Infant Center. They toured the farm and participated in harvesting. We then demonstrated how to prepare a farm-to-table “medicinal salad.”

On April 28th Jahzara hosted a Foraging Walk in collaboration with the Arboretum. At this event, members of the community came and learned about the various native plant species growing around the farm.

This year we also developed a relationship with Bethel AME Church Community Garden led by Rev. Carolyn Cavaness. Student farmers have gone to help out with their planting days and community events in the summer and fall.

For the third consecutive year we hosted Shipley High School students as interns on the farm while they completed their community service requirements. This year we received six interns from Shipley. They helped with the daily maintenance of the farm and we went on one field trip to Neighborhood Foods Farm in West Philly.
Community Outreach

This summer we continued our partnership with Serendipity Day Camp, who sent groups of campers every Monday to learn about the farm. The summer interns led sessions with the campers in which they would explain the work we are doing and have the children participate in daily tasks.

Carousel Connections continued to work with the Haverfarm by cultivating the community plot behind HCA 20 where the program’s participants lived over the summer as they gained work experience and life skills. Together with Carousel Connections, we built three raised beds in the plot with wood sourced by the Digging in the Dirt club. We filled the beds during a volunteer workday this fall, and plan to support a collaboration between Digging in the Dirt and Carousel Connections throughout next spring and summer.

In the Haverford College Apartments Garden, located behind apartment 19, we grow a variety of perennial vegetables, fruits, and medicinal herbs that can be harvested freely by students and local community members. All are welcome to spend time in the garden and harvest what they wish.

On October 6th, we organized a workday with Sally Anderson, the Arboretum Plant Curator, at the nature trail head. Nine first year students, three student farmers, and the farm fellow worked to beautify the nature trail entrance and continue to develop Sally’s vision for the trail head.

This year we hosted herbalism workshops throughout the summer and fall for community members to share their plant wisdom and discuss how to use the native medicinal plants growing at the farm. On October 10th, Jahzara came back to the farm to do an herbalism workshop with the P.E. class where each student went home with a tincture made from the farm’s dried herbs.

In collaboration with the Alumni and Parent Relations office, Tilly held an open-house style event at the farm on October 27th. Between 1:00 and 4:00pm, about fifteen families came (with students and without) to explore the farm. Some were parents of farm volunteers, others were at-home gardeners and farmers, and some were just curious.

Final fall workdays were held on November 11th and 18th to prepare the plot for winter.


**Sharing the Harvest**

The Haverfarm is committed to providing food to students, staff, faculty, and neighbors. The primary methods of distribution are the Community Supported Agriculture program (CSA), summer farm stands, and donations to the Ardmore Food Pantry at St. Mary's Episcopal Church.

This summer, Margaret, Leia, Griffin, and Ellis operated the farm stand every Friday from June 8th to August 24th. These were held in Founder's Courtyard from 12:00 pm-2:00pm. Proceeds are donation-based; patrons pay what they wish for the produce. The farm stand is advertised in the Daily Digest and on farm social media sites.

The CSA program has become the largest avenue of distribution. Members decide their own membership fee based on what they can afford and come to pick up vegetables, weekly, in the farm classroom. Optional volunteer sessions were held for members on Wednesdays evenings from 5:00pm to 7:00pm in June and July. The spring program ran from April 2nd to May 14th and had 21 members, summer from June 4th to August 27th with 36 members, and fall from September 14th to November 7th with fifteen members. We decided to cap the fall CSA at fifteen, due to the lower harvest numbers projected. Additionally, the fall CSA was first opened to students and filled entirely within the first day. Next spring, we expect to have a larger CSA that once again includes staff, faculty, and community members, and students.

On September 22nd, the farm donated produce to Reclaim Philly's Mass Liberation Campaign cookout and fundraiser. The money raised was to guarantee previously incarcerated individuals have access to training and leadership opportunities in the city. This event was attended by hundreds of people at Malcolm X Park in Philadelphia, and the Haverfarm was glad to donate sweet peppers, hot peppers, lettuce, okra, sage, parsley, and mint.

Throughout Fall Break, fresh produce went to the Multicultural Center Kitchen to supplement on-campus students’ meal costs at a time when the dining facilities are closed. The farm team worked closely with Dean Theresa Tensuan to ensure the kitchen was stocked with produce, and we are proud to say the farm donated over forty-five pounds of vegetables to the kitchen between October 14th and 20th.
### Harvest Totals April-November 2018

<table>
<thead>
<tr>
<th>Crop</th>
<th>Total (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apples</td>
<td>9.6</td>
</tr>
<tr>
<td>Asparagus</td>
<td>1.2</td>
</tr>
<tr>
<td>Basil (Green, Lime)</td>
<td>7.7</td>
</tr>
<tr>
<td>Beans</td>
<td>3.4</td>
</tr>
<tr>
<td>Beets</td>
<td>21.2</td>
</tr>
<tr>
<td>Belle Isle Cress</td>
<td>7.1</td>
</tr>
<tr>
<td>Broccoli</td>
<td>13</td>
</tr>
<tr>
<td>Broccoli Rabe</td>
<td>17.2</td>
</tr>
<tr>
<td>Cabbage</td>
<td>100.1</td>
</tr>
<tr>
<td>Cantaloupe</td>
<td>7.4</td>
</tr>
<tr>
<td>Carrots</td>
<td>11.2</td>
</tr>
<tr>
<td>Catnip</td>
<td>0.2</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>15.4</td>
</tr>
<tr>
<td>Celery</td>
<td>11.9</td>
</tr>
<tr>
<td>Chamomile</td>
<td>2.2</td>
</tr>
<tr>
<td>Collard Greens</td>
<td>45.4</td>
</tr>
<tr>
<td>Coriander</td>
<td>1</td>
</tr>
<tr>
<td>Corn</td>
<td>7.5</td>
</tr>
<tr>
<td>Cucumber (Pickling, Green, Lemon)</td>
<td>94.3</td>
</tr>
<tr>
<td>Dandelions</td>
<td>0.7</td>
</tr>
<tr>
<td>Eggplant</td>
<td>4.4</td>
</tr>
<tr>
<td>Fennel</td>
<td>1.9</td>
</tr>
<tr>
<td>Garlic</td>
<td>51.7</td>
</tr>
<tr>
<td>Garlic Chives</td>
<td>0.9</td>
</tr>
<tr>
<td>Grape Leaves</td>
<td>0.1</td>
</tr>
<tr>
<td>Kale (Purple, Tuscano, Dino, Curly Roja, Red Russian)</td>
<td>78.9</td>
</tr>
<tr>
<td>Lavendar</td>
<td>1.1</td>
</tr>
<tr>
<td>Lemon Balm</td>
<td>3.8</td>
</tr>
<tr>
<td>Lettuce (Romaine, Butterhead, Red Sails, Green Salad Bowl, Red Salad Bowl)</td>
<td>205.2</td>
</tr>
<tr>
<td>Microgreens</td>
<td>14.6</td>
</tr>
</tbody>
</table>

### Haervfarm Total Harvest

- Zucchini: 4.0%
- Watermelon: 1.4%
- Tomatoes (Violet): 1.6%
- Swiss Chard: 6.8%
- Cauliflower: 1.0%
- Collard Greens: 3.1%
- Cucumber (Pickling): 0.4%
- Kale (Purple, Tuscano, Garlic): 5.3%
- Lettuce (Romaine, Microgreens): 13.9%
- Mint (Spearmint, Chocolate): 7.7%
- Mizuna: 13.2%
- Mugwort: 0.2%
- Mustards: 16.4%
- Okra: 45.8%
- Onions: 1.4%
- Parsley: 7.4%
- Pea Shoots: 0.5%
- Peppers (Pepperoncini, Peach Habaneros, Poblanos, Purple Bell): 97.9%
- Potatoes: 19.5%
- Pumpkin: 54.1%
- Radishes: 31.4%
- Rhubarb: 17%
- Sage: 2.7%
- Shiso: 1.9%
- Spinach: 3.3%
- Squash (Yellow, Butternut): 56%
- Swiss Chard: 47.7%
- Thyme: 1.4%
- Tomatoes (Violet Jasper, Green, Crimson Apple): 236.7%
- Turnips: 0.1%
- Watermelon: 20.2%
- Zucchini: 58.7%

**Total Produce Weight**: 1481.75
Curriculum Connections

The farm is an ideal place for experiential learning! Praxis courses, independent research, and class projects are all encouraged at the Haverfarm. Students and professors are welcome to coordinate with the Farm Fellow to use the greenhouse for their personal research as well.

This spring, Alicia Lopez-Torres ’20 (fall student worker) took the Community Engagement and Social Responsibility course that requires in depth fieldwork at a community organization of your choosing. Alicia’s praxis placement was the Haverfarm, overseen by the farm fellow, and thus began Alicia’s dedication to sustainable agriculture.

This Fall, the farm collaborated with the Biology Department on two projects. For eight weeks, the greenhouse was home to the Biology 200 lab experiments. Spearheaded by David Higgins, a new biology professor, the four sections of Bio 200 grew mustard in the greenhouse that they used to study genetic modification of mustard seeds. Additionally, a frequent farm volunteer and member of the Farm Club, Hope Ebert ’19, grew three trials of her Biology senior thesis experiment in the greenhouse.

The Farm Physical Education class is another terrific way students may get involved with the farm while fulfilling their physical education requirements. During these classes students learn the basics of organic agriculture by helping with soil preparation, weeding, planting, harvesting, and composting. This Fall, there were two sections of the P.E. class with a total of twenty-five students. Many of the first-year students who toured the farm with their pre-customs programs, like Horizons and the Summer Social Justice Institute, were the first to sign up for the P.E. class. We offer this class during the first quarter of the Fall Semester and the last quarter of the Spring Semester. The course fills up very quickly, however, and it may be in the farm’s best interest to discuss the possibility of increasing the limit on the number of students. This is something the Haverfarm Club and Farm Fellow should work with Susan McCabe to address early next semester.

Students in the fall P.E. class laying comfrey around crops as an organic fertilizer

We look forward to expanding our programming with Haverford courses and continuing to fulfill our mission of incorporating sustainable food practices and studies into the academic lives of Haverford students.
Financial Review

The Haverfarm is funded by an anonymous donor grant upon which we rely for tools, seeds, and the salary of the Farm Fellow. The Haverfarm Club typically applies for Students Council funding for events and workshops. The Committee for Environmental Responsibility also supports the farm through their Greening Haverford Grant. Last year, Haverfarm received funding from this grant to purchase a baby greens harvester. This year, this grant led to the purchase of a rain barrel that will be installed outside the greenhouse in early spring, 2019.

Haverfarm generates money through our Farm Stands and CSA. For the first time, this money was used to support a student-farmer eight hours per week during the fall semester. This is very exciting for the Haverfarm and ideally will continue as long as it is financially feasible. This may not be possible in the spring of 2019, but we expect to replenish our funds throughout the spring and summer of 2019 so a Haverfarm-funded student worker becomes reality, once again, next fall.

Reflections

Throughout the last few years, the Haverfarm Club and Farm Fellows have repeatedly discussed the need for paid student positions on the farm. For many students, volunteer hours are not feasible due to demanding student schedules and financial necessity. This year our biggest achievements have been launching our work-study program and expanding our summer internship. In the spring, we opened three work-study positions. Two students were funded by the Haverford Arboretum and one was funded by the Environmental Studies Department. We typically have one summer intern sponsored by the CPGC. This year, however, we grew the internship with the support of the Arboretum and Environmental Studies department. This expansion led to the hiring of four summer interns and further developed the leadership amongst the student farmers. In the fall, we hired three student-workers, funded by the Arboretum, the Environmental Studies Department, and the Haverfarm account.

Due to the success of incorporating paid student-workers into the farm team, students have been able to delve into their personal interests at the farm. This year, student workers took on many independent projects including, writing a CSA cook book, completing a report about successful composting, developing a perennial care guide specific to the Haverfarm’s crops, thoroughly organizing farm documents and files, further exploring the medicinal uses of various herbs, and more. We look forward to creating a physical archive of these projects in the farm classroom to serve as a resource for future student farmers.
Looking Forward (Condensed Timeline)

January
- Haverfarm Club meets to budget through SC for any events or workshops

February
- Applications for spring work-study and CPGC summer fellowship due
- Start seeds in greenhouse for spring crops (six to eight weeks before last frost)
- Haverfarm Club sets up a watering schedule to ensure all starts are cared for before Farm Fellow returns
- Prune perennial raspberries and blackberries in HCA garden
- Access tool and farm maintenance needs and order what is lacking

March
- Farm Fellow returns March 1st
- P.E. begins after Spring Break
- Dining Center work-exchange begins
- Soil tests and augmentation in production plot and HCA garden
- Prune, train, and add compost around trees in orchard
- First Volunteer workday March 23rd
- Plant peas outdoors

April
- Get compost from Fairmont to start the season
- Remove/incorporate leaf mulch in production plot
- Seed microgreen flats each week
- HCA Garden Planting Party! April 13th
- Harden starts and plant outdoors
- Spring Farm stands begin April 23rd
- Chestnutwold Elementary School visits

May
- Foraging Walk
- Plant Sale
- Haverfarm-Quaker House Sunday brunch collaboration
- Summer Interns begin
- Shipley High School students volunteer May 16th - June 7th

June
- Summer CSA begins June 4th
- Founders farm stands begin
- Serendipity Day Camp weekly visits begin

July
- Collaboration with Carousel Connections
- Start fall seeds in greenhouse
- Summer interns finish their fellowship
- Summer work party
Looking Forward (Condensed Timeline)

August
- Summer CSA ends
- Friday farm stands end
- Plant fall crops outside
- Seed microgreens for first few weeks of fall CSA

September
- New Farm Fellow begins
- Fall P.E. begins
- Fall CSA begins
- Customs groups weekend workdays

October
- Customs groups weekend workdays
- Ehaus-Farm dinner

November
- Fall CSA ends
- Closing down the farm work party
- Prep beds and tools for winter
- Annual Report
- Farm Fellow leaves for winter