Paradox of Plants & Place: Local Gardens Grow Global Goals

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THE CLIMATE IS CHANGING FASTER THAN WE ARE.
A global heat map shows how temperatures are soaring across the planet during the summer of 2018.
Photograph: Climate Reanalyzer/Climate Change Institute/University of Maine
Biodiversity for Food Security
The local and global paradox
Goal: Joined Up Food Systems
Goal: Critical Food Literacy
Goal: Policy-Informed Education
Botanical Gardens = 2837 allies
VISION
Plants are understood, valued, celebrated, and secure in a healthy, biodiverse world.

MISSION
- Education
- Research
- Conservation
- Public display
- Community outreach
Food Garden @ UBC Botanical Garden
Sustainability Education
Connection to Place
Sustainable Communities Field School
Team Building for Businesses

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With Partners
Society Promoting Environmental Conservation
IRES
Water Conservation
Zero Waste
Sustainable Food Choices
Food Procurement
A food asset is a resource, facility, program, place, knowledge hub or service that supports a food system (from field to fork to compost) and may provide people the opportunity to learn about, grow, access, cook, eat, share or dispose of healthy and culturally important food. Food assets should be integrated to build community and enhance the environmental, economic, social and nutritional wellbeing of the UBC Vancouver campus.
Food Assets

- 318 Total Food Assets
- 96 Campus Food Outlets
- 4 Food-related Academic Hubs
- 5 Waste Reduction, Management and Recovery
- 29 Emergent Food Assets
- 20 Retail Stores, Markets, CSAs and Low Cost and Emergency Food Items
- 28 Grow Food
- 30 Cook, Eat and Share
- 32 Research Libraries, Centres and Groups
- 34 Cultural and Community Food Groups and Programs
- 40 Courses, Programs and Career Opportunities
# Designs of All Sizes

Whatever your space, we can help you grow a beautiful, sustainable outdoor garden. Getting started is easy. Browse the designs below, and click on an image to learn more about it. Not sure which design is right for you? Tell us a bit about your gardening ambitions (and garden conditions), and we’ll give you plans suited to your space.

## Narrow Your Results

<table>
<thead>
<tr>
<th>Type of Space</th>
<th>Purpose</th>
<th>Benefits</th>
<th>Amount of Sun</th>
<th>Wet Winter Soil</th>
<th>Exposed to Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balcony or Patio</td>
<td>Flowers and Foliage</td>
<td>No preference</td>
<td>Full Sun</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Garden</td>
<td>Food</td>
<td>Support native plants</td>
<td>Part Sun</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pollinator-friendly</td>
<td>Shade</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

42 plans found

- **Lettuce Have Tulips**
- **Thyme for Roses**
- **Gorgeous Garnishes and Greens**
- **Beauty and the Beans**
The importance of Crop Wild Relatives

What are crop wild relatives?

Crop wild relatives are wild plant species that are related to a particular crop.

Like people, a crop can have many relatives that can be more or less closely related.

Wild relatives of banana:
- **10** primary
- **15** secondary
- **1** tertiary

Wild relatives of finger millet:
- **3** primary
- **3** secondary
- **3** tertiary

Why are crop wild relatives important?

- They are a source of resistance against pests and diseases
- They can enhance the nutritional quality of crops
- Their traits can provide tolerance to:
  - Extreme temperature
  - Drought
  - Salinity

It has been estimated that the contribution of crop wild relatives to improving food production has an annual value of US$115-120 billion worldwide.
Celebrating Crop Diversity Symposium

Celebrating Crop Diversity: Connecting Agriculture, Public Gardens, and Science

Tuesday April 2 to Thursday April 4, 2019

This rare opportunity has been made possible by a unique collaboration between the American Society of Agronomy, Crop Science Society of America, the American Public Gardens Association, and the World Food Prize Foundation to bring together the public garden world and the agro-ecosystem research community. This symposium and accompanying projects will capitalize on a systematic connection between public gardens and the agro-ecosystem communities to significantly enhance the value of the U.S. agricultural and horticultural research and education.

When plant breeding research and industry communities pair with the public garden-based crop wild relative research and germplasm repository community, prepare to kick-off visionary
Thank You!

Questions? tara.moreau@ubc.ca

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