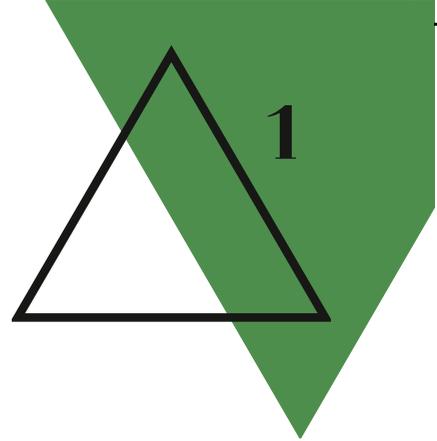
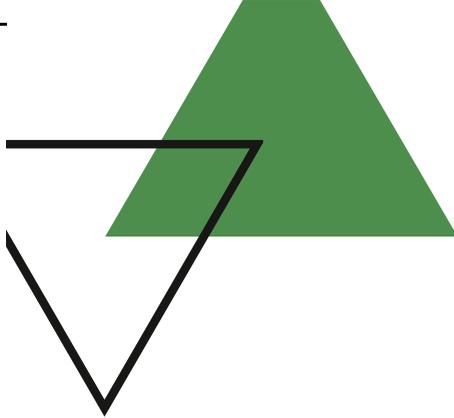
The cover features a background of green leaves and small, light-colored buds. Overlaid on this are large, bold geometric shapes: a white-outlined triangle pointing down in the top left, a white-outlined triangle pointing up in the center, and a solid green triangle pointing up in the top right. The bottom half of the cover is a solid black triangle pointing up.

# *EDIBLE LANDSCAPING*

A GUIDE FOR CITY PLANNERS AND RESIDENTS

PREPARED BY:

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# ***EDIBLE LANDSCAPING:***

## ***WHAT IS IT?***

### **FOOD-BEARING PLANTS WHERE IT COUNTS THE MOST**

With the growing population of Fargo and West Fargo comes hungry mouths to feed. Several food deserts are developing throughout the city - and edible landscaping is a fiscally feasible way to reduce food deserts and food insecurity by increasing food access.



### **WHY INCLUDE IT?**

- Beautiful flowering plants that turn into food
- Reconnect residents to nature
- Provide food for those that need it
- Reduce greenhouse gases



### **TIPS FOR PLANTING**

- Measure out available space first
- Decide which plants will work for the available space
- Check to see if plant is self-pollinating or if it needs a pollinating partner
- Pollinating partners need to be the same plant of a different variety



# ***EDIBLE LANDSCAPING: HOW TO GET STARTED***

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## **MEASURE YOUR SPACE**

It's important to know how much space you have available before planting edible landscaping. Refer to the mature height and width of each plant cultivar before deciding on which plants to incorporate.

## **CHOOSE YOUR PLANTS**

This guide includes different types of food-bearing trees, shrubs, and other plants that grow well in North Dakota. Once you choose which you would like to plant, contact your local nursery to see your buying options.

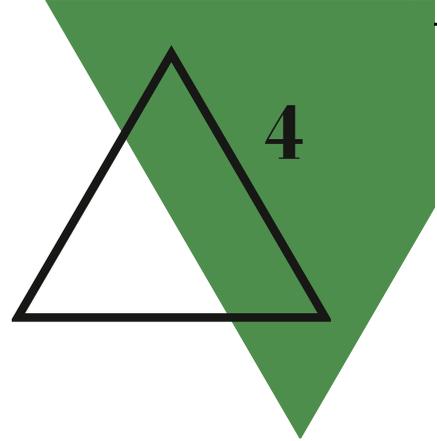
\*This is just a short list to get you started. There are many options in the F-M area!\*

- Baker Nursery: (701) 237-6255, <https://www.bakernursery.com/>
- Sheyenne Gardens: (701) 282-0050, <https://www.facebook.com/sheynnegardensharwood/>
- Ole's Nursery: (218) 236-8590, <http://olesnursery.com/>
- Holland's Landscaping and Garden Center: (218) 233-6131, <https://www.hollandslandscapingandgarden.com/>
- S & S Landscaping: (701) 235-1515, <https://sandslandscaping.com/garden-center/>





# ***EDIBLE LANDSCAPING: HOW TO GET STARTED***



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## **CHECK OUT HOW-TO GUIDES**

While this guide is a great starting place for your edible landscaping journey, there are other great resources to help you with how to plant and care for different types of plants, as well as recipes for locally grown foods. Check out the resources below!

### North Dakota State University Extension

- Tree Planting in North Dakota, <https://www.ag.ndsu.edu/publications/lawns-gardens-trees/tree-planting-in-north-dakota>
- Lawns, Gardens, & Trees: Fruits, <https://www.ag.ndsu.edu/horticulture/fruits>
- Lawns, Gardens, & Trees: Trees and Shrubs, <https://www.ag.ndsu.edu/horticulture/trees-and-shrubs>
- The Windbreak Cookbook, <https://www.ag.ndsu.edu/publications/lawns-gardens-trees/the-windbreak-cookbook-featuring-fruits-of-prairie-forests>

### University of Minnesota Extension

- Yard and Garden: Fruit, <https://extension.umn.edu/find-plants/fruit>
- Yard and Garden: Trees and Shrubs, <https://extension.umn.edu/find-plants/trees-and-shrubs>
- Yard and Garden: Using Your Harvest, <https://extension.umn.edu/how/using-your-harvest>

### ASK THE EXPERTS!

Master Gardeners through Extension services are here to help you! Reach out with questions you may have about edible landscaping.

- NDSU Ask An Expert: <https://ask.extension.org/groups/1963/ask>
- U of M Ask A Master Gardener: <https://extension.umn.edu/master-gardener/ask-master-gardener>

***EDIBLE LANDSCAPING:  
EXAMPLE PLOTS IN A PARK  
RENDEZVOUS PARK IN WEST FARGO, ND***



Rendezvous Park in West Fargo, ND. While there are trees growing along the walking paths, the landscaping can be changed to have food-bearing plants.

**KEY:**

- Red - Apples. Apples are not self-pollinating, so more than one cultivar needs to be planted in the park
- Green - Pears. Pears also need a pollinating partner planted somewhere in the park
- Yellow - Cherries. Self-pollinating! Can produce fruit if only one is planted.
- Purple - Currants. Self-pollinating
- Pink - Raspberries. Self-pollinating
- Blue - Plums. Needs a pollinating partner planted somewhere in the park

## ***EDIBLE LANDSCAPING: EXAMPLE PLOTS IN A RESIDENTIAL SETTING***



An example of edible landscaping in a residential setting. Notice that food-producing plants are not on the boulevard. We do not want fruit falling in the streets.

### **KEY:**

- Red - Rhubarb
- Green - Strawberries or asparagus
- Yellow circle - Fruit-bearing shrub, like raspberries or currants. Notice there is only one yellow circle - this means that the shrub must be self-pollinating because there is not enough room in the yard for a shrub that needs a pollinating partner
- Purple - Grapes. Notice that it is against the fence. Grapes can be supported on the fence
- Orange circles - Apples, pears, plums, or apricot trees. Needs pollinating partner
- Blue - Chives

# APPLE TREES

**\*MUST PLANT AT LEAST TWO OF DIFFERENT VARIETIES**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in September.

## HARALRED

- Mature height: 12 to 15 ft
- Mature width: 14 ft
- # of years to produce: 4 to 5
- Projected annual yield: 45 to 90 pounds

## SWEET SIXTEEN

- Mature height: 22 ft
- Mature width: 20 ft
- # of years to produce: 3 to 4
- Projected annual yield: 225 to 450 pounds

## ZESTAR!

- Mature height: 12 to 15 ft
- Mature width: 14 ft
- # of years to produce: 4 to 5
- Projected annual yield: 45 to 90 pounds

## HAZEN

- Mature height: 7 to 10 ft
- Mature width: 15 ft
- # of years to produce: 3 to 4
- Projected annual yield: 45 to 90 pounds

## HONEYCRISP

- Mature height: 12 to 15 ft
- Mature width: 12 to 15 ft
- # of years to produce: 2 to 4
- Projected annual yield: 45 to 90 pounds



# PEAR TREES

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**\*MUST PLANT AT LEAST TWO OF DIFFERENT VARIETIES**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in August.

## PARKER

- Mature height: 15 to 20 ft
- Mature width: 15 ft
- # of years to produce: 4 to 5
- Projected annual yield: 190 to 300 pounds

## SUMMERCRISSP

- Mature height: 15 to 20 ft
- Mature width: 20 ft
- # of years to produce: 4 to 5
- Projected annual yield: 190 to 300 pounds

## EARLY GOLD

- Mature height: 25 ft
- Mature width: 20 ft
- # of years to produce: 4 to 5
- Projected annual yield: 190 to 300 pounds

## URE PEAR

- Mature height: 18 ft
- Mature width: 12 ft
- # of years to produce: 4 to 5
- Projected annual yield: 190 to 300 pounds



# ✓ *APRICOT TREES*

**\*MUST PLANT AT LEAST TWO OF DIFFERENT VARIETIES**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in August.

## MOONGOLD

- Mature height: 15 ft
- Mature width: 15 ft
- # of years to produce: 2 to 5
- Projected annual yield: 50 to 150 pounds

## SCOUT

- Mature height: 30 ft
- Mature width: 20 ft
- # of years to produce: 4 to 5
- Projected annual yield: 150 to 300 pounds

## PIONEER CHINESE

- Mature height: 10 to 15 ft
- Mature width: 12 to 20 ft
- # of years to produce: 2 to 5
- Projected annual yield: 50 to 150 pounds

## SUNGOLD

- Mature height: 15 ft
- Mature width: 15 ft
- # of years to produce: 2 to 5
- Projected annual yield: 50 to 150 pounds

## WESTCOTT

- Mature height: 20 ft
- Mature width: 15 ft
- # of years to produce: 2 to 5
- Projected annual yield: 50 to 150 pounds



# ✓ *PLUM TREES*

\*HAS THORNS, BUT THERE ARE THORNLESS VARIETIES

**\*MUST PLANT AT LEAST TWO OF DIFFERENT VARIETIES**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in August.

## **MOUNT ROYAL**

- Mature height: 8 to 12 ft
- Mature width: 8 to 12 ft
- # of years to produce: 2 to 5
- Projected annual yield: 50 to 100 pounds

## **PIPESTONE**

- Mature height: 12 ft
- Mature width: 12 ft
- # of years to produce: 2 to 3
- Projected annual yield: 25 to 100 pounds



## **TOKA**

- Mature height: 10 to 12 ft
- Mature width: 15 ft
- # of years to produce: 2 to 3
- Projected annual yield: 25 to 100 pounds

## **OTHERS TO CONSIDER**

- Brookgold
- Brookred
- Pembina
- Tecumseh



# ✓ *CHERRY TREES*

## \*SELF-POLLINATING

**BUT PRODUCES BEST WHEN AT LEAST TWO DIFFERENT VARIETIES ARE PRESENT**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in June.

### SWEET CHERRY PIE

- Mature height: 15 ft
- Mature width: 12 ft
- # of years to produce: 3 to 5
- Projected annual yield: 30 to 105 pounds

### NORTH STAR

- Mature height: 7 to 9 ft
- Mature width: 8 to 10 ft
- # of years to produce: 1 to 2
- Projected annual yield: 22 to 35 pounds

### NANKING (BUSH)

- Mature height: 6 to 8 ft
- Mature width: 7 ft
- # of years to produce: 1 to 2
- Projected annual yield: 12 to 14 pounds

### EVANS BALI

- Mature height: 15 to 20 ft
- Mature width: 10 to 15 ft
- # of years to produce: 3 to 5
- Projected annual yield: 30 to 105 pounds

### METEOR

- Mature height: 12 to 15 ft
- Mature width: 10 ft
- # of years to produce: 2 to 3
- Projected annual yield: 22 to 35 pounds



# *ARONIA BERRIES*

**\*SELF-POLLINATING**

Tips: Check the mature width when planting to be sure you are giving your shrubs enough growing space in-between. Harvest starts in September.

## **VIKING**

- Mature height: 3 to 6 ft
- Mature width: 3 to 6 ft
- # of years to produce: 2 to 3
- Projected annual yield: up to 38 pounds

## **WHY ARONIA?**

- Marketed as a "superfood," Aronia berries are high in antioxidants
- Perfect for making into juice or wine
- Great for making jams and jellies
- Very productive





## ***CURRANTS***

**\*SELF-POLLINATING**

Tips: Check the mature width when planting to be sure you are giving your shrubs enough growing space in-between. Harvest starts in June.

### **BEN CHASKA**

- Mature height: 3 to 5 ft
- Mature width: 3 to 5 ft
- # of years to produce: 2 to 3
- Projected annual yield: 4 quarts

### **BEN COMO**

- Mature height: 3 to 5 ft
- Mature width: 3 to 5 ft
- # of years to produce: 2 to 3
- Projected annual yield: 4 quarts

### **RED LAKE**

- Mature height: 3 to 5 ft
- Mature width: 3 to 5 ft
- # of years to produce: 2 to 3
- Projected annual yield: 4 quarts



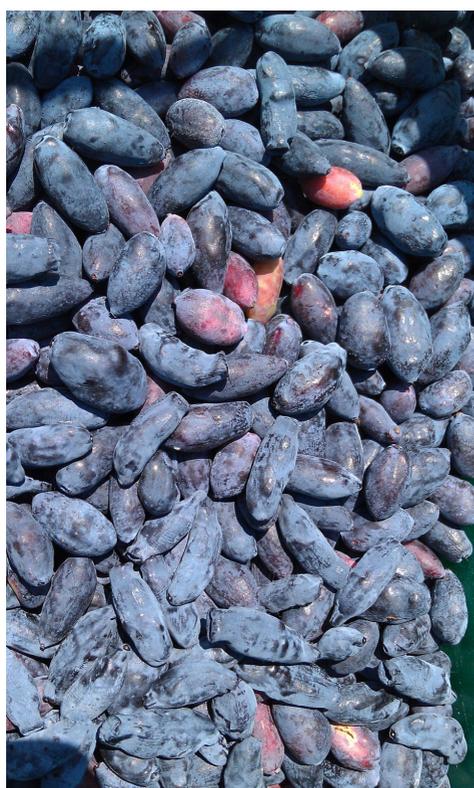
# *HONEYBERRIES*

**\*MUST PLANT AT LEAST TWO OF DIFFERENT VARIETIES**

Tips: Check the mature width when planting to be sure you are giving your shrubs enough growing space in-between. Harvest starts in June.

## **AKA HASKAPS**

- Mature height: 3 to 5 ft
- Mature width: 3 to 5 ft
- # of years to produce: 1 to 2
- Projected annual yield: 1 to 2 pounds, up to 10 pounds



## **VARIETIES TO CONSIDER**

- Aurora
- Borealis
- Boreal Beast
- Boreal Beauty
- Boreal Blizzard
- Honeybee
- Indigo Gem
- Indigo Treat
- Tundra



# *RASPBERRIES*

## \*SELF-POLLINATING

Tips: Check the mature width when planting to be sure you are giving your shrubs enough growing space in-between. Harvest starts in August.

### LATHAM

- Mature height: 4 to 5 ft
- Mature width: 3 to 4 ft
- # of years to produce: 1 to 2
- Projected annual yield: 1 to 3 pounds



### RASPBERRY FACTS

- For greater yield, plant more than one shrub
- Needs to be trimmed every year once mature to prevent overgrowth
- Grows best when planted next to a fence or building as the branches are prone to drying out in the wind
- Grows thorns



# HAZELNUT TREES

**\*PLANT TWO OR MORE TREES FOR BEST PRODUCTION**

Tips: Check the mature width when planting to be sure you are giving your trees enough growing space in-between. Harvest starts in August.

## RIVERBEND

- Local! Created in Horace, ND
- Mature height: 10 to 16 ft
- Mature width: 13 ft
- # of years to produce: 3 to 4
- Projected annual yield: 20 to 30 pounds



## HAZELNUT FACTS

- Hazelnuts are native to both North America and Europe
- European hazelnuts are prized for their flavor, while the North American variety lacks flavor
- To enhance the flavor, European and North American hazelnuts were bred to create a hardy hazelnut with great taste



<http://riverbendhazelnuts.blogspot.com/>

# *GRAPES*

## \*SELF-POLLINATING

Tips: Check the mature width when planting to be sure you are giving your vines enough growing space in-between. Harvest starts in August. Best when supported by a fence or building.

### VALIANT

- Mature height: Varies
- Mature width: 15 to 20 ft
- # of years to produce: 3
- Projected annual yield: 20 to 40 pounds

### SOMMERSET SEEDLESS

- Mature height: Varies
- Mature width: 12 ft
- # of years to produce: 2 to 4
- Projected annual yield: 20 pounds



# ✓ *STRAWBERRIES*

## \*SELF-POLLINATING

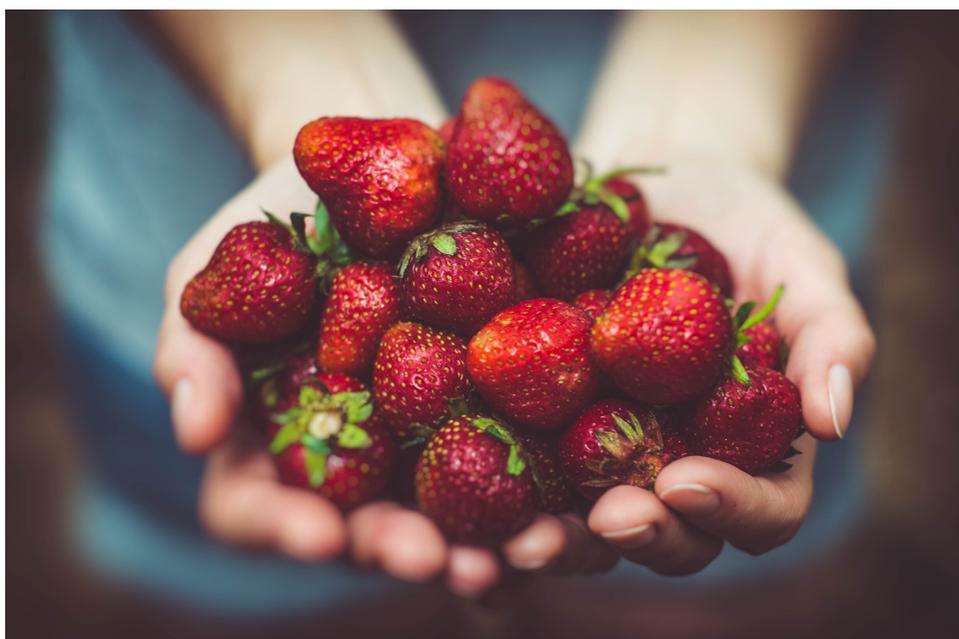
Tips: Check the mature width when planting to be sure you are giving your plants enough growing space in-between. Harvest starts in August. Best when supported by a fence or building.

## CHARLOTTE

- Mature height: 8 to 10 inches
- Mature width: 8 to 10 inches
- # of years to produce: 2 to 3
- Projected annual yield: 1 pound per plant

## STRAWBERRY TIPS:

- Worth the wait! Strawberries take time to start producing fruit
- For increased yield, plant more than one plant
- Best grown along fences or sides of buildings for support and protection



# RHUBARB

**\*PERENNIAL - WILL COME BACK NEXT YEAR**

Tips: Check the mature width when planting to be sure you are giving your plants enough growing space in-between. Harvest starts when stalks turn red. Best when protected near a fence or building.

## CRIMSON RED

- Mature height: 2 ft
- Mature width: 2 ft
- # of years to produce: 2 to 3
- Projected annual yield: varies



## RHUBARB FACTS

- Rhubarb is ready for harvest whenever the stalks turn red
- Harvest season usually lasts 8 to 10 weeks
- Only eat the stalks - the leaves are poisonous
- Great for pies, jams, and jellies

[www.simplyrecipes.com/recipes/strawberry\\_rhubarb\\_pie/](http://www.simplyrecipes.com/recipes/strawberry_rhubarb_pie/)



[https://www.gurneys.com/product/crimson\\_red\\_rhubarb\\_](https://www.gurneys.com/product/crimson_red_rhubarb_)

# ASPARAGUS

**\*PERENNIAL - WILL COME BACK NEXT YEAR**

Tips: Check the mature width when planting to be sure you are giving your plants enough growing space in-between. Harvest starting third year of growth. Best when protected near a fence or building.

## ASPARABEST

- Mature height: 3 to 4 ft
- Mature width: 18 inches
- # of years to produce: 3
- Projected annual yield: varies



## ASPARAGUS FACTS

- Be patient! Asparagus plants take time to grow to full production - about 3 years
- Can harvest a few stalks during year 1 and 2, but not too much
- Ready to harvest when stalks are 5 to 8 inches tall and about the width of your finger
- Over-harvesting during the third year of growth could potentially kill the plant



# ✓ CHIVES

**\*PERRENIAL - WILL COME BACK NEXT YEAR**

Tips: Check the mature width when planting to be sure you are giving your plants enough growing space in-between. Harvest starting in first year of growth. Can be incorporated into edible landscaping or grown in a pot.

## GIGANTIC CHIVES

- Mature height: 2 ft
- Mature width: 1 ft
- # of months to produce: 1 to 2
- Projected annual yield: varies



## CHIVES FACTS

- Very productive
- Grown and harvested in summer months
- Great for sautéing, or as a garnish
- Onion-garlic flavor
- Produces edible white and purple flowers



<https://www.gurneys.com/product/gigantic-chive>