

# Herbs



Oregano



Chives



Basil



Cilantro

## Did You Know

- Herbs are often defined as the leaves and flowers of plants that are used for flavor, fragrance, or medicine.
- The part of the plant used defines it as an herb or a spice. For example, when using the green leaves of the plant *Coriandrum sativum*, it is the herb cilantro, and when using the seeds, it is the spice coriander.
- Although herbs are not a large part of Montana's agricultural landscape, the number of Montana farms producing herbs has increased substantially over the last 10 years.
- Wild mint and beebalm (wild bergamot) are herbs native to Montana. Traditionally, mint tea was so commonly drunk amongst Apsaalooke (Crow) people, that one of the Apsaalooke words for "mint" is the same as the word for "tea." Mint tea was also brewed by Chippewa-Cree people to treat colds, headaches, coughs, and fevers. Sélish (Salish),

Ktunaxa (Kootenai), and Qaeisp'è (Pend d'Oreilles) tribes used beebalm for medicinal purposes, including to cure colds and treat mouth and throat infections.

## Selection

Select herbs that are free of disease, discoloration, or damage. Harvest or purchase only enough herbs for immediate use, unless planning to dry or freeze them.

## Storage

Gently wash and dry herbs after harvest or purchase. Trim the bases of the stems, place them in a jar with an inch of water, cover loosely with a plastic bag, then transfer to the refrigerator. Freeze or dry herbs that will not be used within a week after purchase.



| Herb                       | Bay Leaf  | Parsley   | Chives  | Dill   | Lavender  | Sage   | Tarragon  |
|----------------------------|---|---|---|--|---|--|---|
| Taste                      | Bitter, minty, pungent  | Bright, peppery   | Mild onion flavor   | Pungent, tangy   | Floral, minty   | Minty, slightly bitter, citrus   | Licorice, lemon flavor  |
| Plant Family (common name) | Lauraceae (laurel family)   | Apiaceae (carrot family)  | Amaryllidaceae (amaryllis family)   | Apiaceae (carrot family)   | Lamiaceae (mint family)   | Lamiaceae (mint family)  | Asteraceae (daisy family)   |
| Fun Facts                  | In ancient Greece, famous athletes and artists were crowned with wreaths of bay leaves. | There are two main types of parsley: curly and flat leaf (Italian). | Wild chives are native to Montana and can be found growing wildly in the western region of the state. | Both the leaves and seeds of dill plants are used, and their flavors differ substantially. | In 77 A.D. Romans documented the use of lavender to repel insects and treat insect bites. | Sage is of the genus <i>Salvia</i> . <i>Salvia</i> is derived from <i>salvus</i> , which means healthy in Latin. | Tarragon's root system resembles coiled snakes, making medieval healers falsely believe it was a cure for snakebites. |
| Native Region              | Mediterranean   | Southern Europe   | Europe, Northern Asia, North America  | Mediterranean, Western Asia  | Mediterranean   | Mediterranean  | Central Asia, Siberia   |

# Melon Mint Salad

HACCP Process:  1 – No Cook     2 – Cook & Same Day Serve     3 – Cook, Cool, Reheat, Serve     4 – SOP Controlled

| Ingredients                                    | 25 Servings  | 50 Servings | Directions   |
|--|--------------|-------------|--|
| Honey  | 2 Tbsp       | 1/4 cup     | <ol style="list-style-type: none"> <li>In a small bowl, combine honey and lemon juice. Stir well and set aside.</li> <li>Wash the outside of each melon.</li> <li>Cut away melon rinds and cut melon into 1 inch cubes.</li> <li>In a large bowl, add melon cubes and combine. Pour honey and lemon mixture over melon and mix lightly to combine.</li> <li>Sprinkle mint over melon mixture and stir lightly to combine.</li> <li>Spread mixture into a shallow pan.</li> <li>Serve Immediately or cover and refrigerate until ready to use.<br/> <b>CCP:</b> Cool to 41°F or lower within 4 hours.<br/> <b>CCP:</b> Hold for cold service at 41°F or lower.</li> <li>Portion into 5/8 cup or 5 oz servings.</li> </ol> |
| Lemon juice                                    | 2 Tbsp       | 1/4 cup     |  |
| Watermelon, <i>cubed</i>                       | 4 lbs 3.2 oz | 8 lbs 6 oz  |  |
| Honeydew, <i>cubed</i>                         | 4 lbs 3.2 oz | 8 lbs 6 oz  |  |
| Cantaloupe, <i>cubed</i>                       | 4 lbs 3.2 oz | 8 lbs 6 oz  |  |
| Fresh mint leaves, <i>chiffonade or minced</i> | 1/2 cup      | 1 cup       |  |

**Serving Size:** 5 oz | **Yield:** 25 or 50 servings

| Oven Temperature & Baking Time | Temperature | Minutes |
|--------------------------------|-------------|---------|
| Conventional                   |             |         |
| Convection                     |             |         |
| Pan Size                       |             |         |

### Nutrition Analysis

|                   |     |
|-------------------|-----|
| Calories (kcal)   | 50  |
| Protein (g)       | 1   |
| Carbohydrate (g)  | 12  |
| Total Fat (g)     | 0   |
| Saturated Fat (g) | 0   |
| Vitamin D (IU)    | 0   |
| Potassium (mg)    | 286 |
| Iron (mg)         | 0   |
| Calcium (mg)      | 11  |
| Sodium (mg)       | 15  |
| Dietary Fiber (g) | 1   |
| Total sugars      | 11  |

### Meal Component Fulfillment *(Based on Serving Size)*

1 Serving Provides:

5/8 cup fruit

### Notes

On average:

Cantaloupe, whole 1 lb = .47 lb peeled and cut

Honeydew melon, whole 1 lb = .46 lb peeled and cut

Watermelon, whole 1lb = .61 lb peeled and cut

Source: John C. Stalker Institute ([johnstalkerinstitute.org](http://johnstalkerinstitute.org))

# Nut Free Basil Spinach Pesto

HACCP Process:  1 – No Cook     2 – Cook & Same Day Serve     3 – Cook, Cool, Reheat, Serve     4 – SOP Controlled

| Ingredients                       | 25 Servings | 50 Servings | Directions   |
|-----------------------------------|-------------|-------------|--|
| Fresh spinach, <i>packed</i>      | 6 cups      | 12 cups     | <ol style="list-style-type: none"> <li>Place spinach, basil, garlic, lemon juice, parmesan, salt, and pepper in a blender or food processor.</li> <li>Slowly pulse the blender or food processor while pouring in the olive oil.</li> <li>Blend for 30 seconds or until smooth. Scrape sides of blender or food processor as needed.</li> <li>Serve immediately with pasta, sandwiches, wraps, meats, pizza, etc.</li> <li>Pesto can be stored in an airtight container in the refrigerator for up to 5 days or frozen.<br/> <b>CCP:</b> Cool to 41°F or lower within 4 hours.<br/> <b>CCP:</b> Hold for cold service at 41°F or lower.</li> </ol> |
| Fresh basil leaves, <i>packed</i> | 3 cups      | 6 cups      |  |
| Garlic cloves, <i>peeled</i>      | 3           | 6           |  |
| Lemon juice                       | 1/4 cup     | 7 Tbsp      |  |
| Parmesan cheese, <i>grated</i>    | 1/3 cup     | 3/4 cup     |  |
| Salt                              | 3/4 tsp     | 1 1/2 tsp   |  |
| Ground black pepper               | 1/2 tsp     | 3/4 tsp     |  |
| Olive oil                         | 3/4 cup     | 1 1/2 cups  |  |

**Serving Size:** 1 Tbsp or 14 g | **Yield:** 25 or 50 servings

| Oven Temperature & Baking Time | Temperature | Minutes |
|--------------------------------|-------------|---------|
| Conventional                   |             |         |
| Convection                     |             |         |
| Pan Size                       |             |         |

### Nutrition Analysis

|                   |     |
|-------------------|-----|
| Calories (kcal)   | 45  |
| Protein (g)       | 0   |
| Carbohydrate (g)  | 1   |
| Total Fat (g)     | 4.5 |
| Saturated Fat (g) | .5  |
| Vitamin D (IU)    | 0   |
| Potassium (mg)    | 37  |
| Iron (mg)         | 0   |
| Calcium (mg)      | 16  |
| Sodium (mg)       | 65  |
| Dietary Fiber (g) | 0   |
| Total sugars      | 0   |

### Meal Component Fulfillment *(Based on Serving Size)*

1 Serving Provides:  
 Serving size is not creditable.

### Notes

Source: Anna Holloway

## Cooking

**Garnish.** Use whole leaves or chop them into smaller sizes, and sprinkle onto any dish for added flavor and color.

**Dressings.** There are many herbs that can enhance the flavor of homemade dressings. A cilantro lime dressing is perfect for topping Mexican-inspired dishes, while a lemon dill dressing pairs well with Mediterranean dishes.

**Oils.** Herb-infused oils can be a very flavorful addition to bread and pasta, however, it's important to follow food safety guidelines when infusing oil at home. For directions and safety recommendations visit <https://www.extension.uidaho.edu/publishing/pdf/PNW/PNW664.pdf>.

**Cook.** Delicate herbs, such as basil, chives, cilantro, dill, mint, marjoram, and sage should be added to hot dishes towards the end of cooking to preserve flavor. While less delicate herbs, like thyme, rosemary, and oregano are added much earlier in the cooking process. Bay leaves and sprigs of less delicate herbs can be added to stews, soups, and sauces while they are simmering, and removed before serving.

**Bake.** Chives, parsley, rosemary, and oregano are a few examples of herbs that are popular additions to baked goods. They can be mixed into dough before baking.

**Freeze.** Herbs should be frozen at their peak freshness and are best used within 3-6 months.

**Dry.** When harvesting from a garden or purchasing too much at the market, drying herbs is an effective way to reduce food waste while continuing to add flavor to your meals in the colder months. A simple method is air-drying. After cleaning the herbs, hang them in small bunches in a warm, dark, well-ventilated area until the leaves are crispy. A dehydrator may also be used. Store dried herbs in airtight containers away from heat and sunlight. Use within a year for the best flavor.

**Substitute.** It is important to note that the general rule when substituting fresh for dried herbs is about 3 to 1. For example, use 1 Tbsp of dried sage for every 3 Tbsp of fresh sage.



Mint



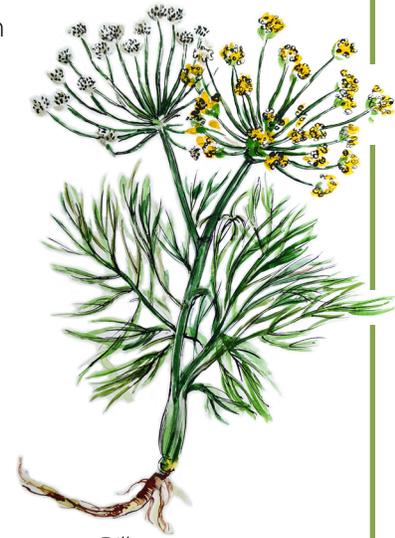
Sage

## Nutrition Information

Although herbs are normally consumed in small quantities, herbs can provide many nutritional benefits. Herbs contain vitamins, anti-inflammatory properties, and are rich in antioxidants. Many herbs are a source of Vitamins C, K, and A, and numerous studies have shown positive health impacts of consuming certain herbs, such as lowering cholesterol and protecting against cancer. Herbs can also be used to enhance flavor without adding sugar, salt, or fat. Since herbs are used in smaller quantities, they often are not creditable for child nutrition programs. However, 1/4 cup green leafy herbs such as cilantro and parsley may credit as 1/8 cup dark green vegetables.

## Gardening

Herbs are a perfect addition to any Montana garden, as they can be grown in beds, containers, and even indoors. Most thrive with at least 6 hours of direct sunlight and well-drained soil, but their specific requirements will differ. Many hardy herbs can be planted several weeks before the last frost, while tender herbs should be planted outdoors only once the danger of frost has passed. In Montana, outdoor herbs are harvested between June and September. Take note of whether herbs are perennials or annuals. A perennial is a plant that lives more than two years, whereas an annual plant only lives one year. The local climate can impact whether a plant is a perennial or annual. For example, rosemary does not do well outdoors in cold winters, like in Montana. However, it thrives in warmer growing zones year-round and can become 4-6 feet tall.



Dill

## Dig Deeper

For sources and photo credits along with more recipes, lessons, quick activities, resources, and guides, visit: [mtharvestofthemoth.org](http://mtharvestofthemoth.org).

### 4 Montana Harvest of the Month: Herbs



The Montana Harvest of the Month program showcases Montana grown foods in Montana communities. This program is a collaboration between Montana Farm to School, Office of Public Instruction, Montana Team Nutrition Program, National Center for Appropriate Technology, Montana State University Extension, Gallatin Valley Farm to School, FoodCorps Montana, Montana Organic Association, and Montana Department of Agriculture. More information and resources are available at: [mtharvestofthemoth.org](http://mtharvestofthemoth.org).

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