

# Garden Overview

## Location Information

**Location:** Moncton, New Brunswick E1E 2A2  
**Climate Zone:** 4a-6a  
**Last Spring Frost:** May 10  
**First Fall Frost:** October 01

## Selected Plants (4 varieties)

Beets  
Green Onions  
Lettuce  
purple kale

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## Beets

### Plant Information

**Sun Requirements:** full sun  
**Water Needs:** moderate  
**Days to Harvest:** 55  
**Plant Spacing:** 3 inches  
**Planting Depth:** 0.5 inches

### Planting Schedule

**Direct Sow Outdoors:** May 01  
**Harvest Period:** June 15 to July 30

## Growing Instructions

### Soil Preparation

Test soil pH to 6.0-7.0 using digital meter 2-3 weeks before planting Work 2-3 inches compost into top 8 inches soil when temperature reaches 50°F Choose location with full sun receiving 6-8 hours direct sunlight daily

### Planting

Start Beets seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 inches deep with 3 inch spacing between plants

Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

## **Care & Maintenance**

Water Beets deeply 1-1.5 inches per week checking soil moisture 2 inches deep every 3 days Apply 10-10-10 fertilizer at 2 tablespoons per plant every 3 weeks starting 2 weeks after transplant Mulch with 2-3 inches organic matter keeping 6 inches away from plant stem

## **Harvesting**

Begin harvesting Beets approximately 55 days after transplant when fruits reach full size Harvest in early morning 6-8 AM when temperatures below 75°F for best quality and flavor Cut stems with clean sharp shears 1/4 inch above leaf node to encourage continued production

## **Pest & Disease Management**

Inspect Beets weekly for common zone 4a-6a pests from May through September Apply neem oil spray at 2 tablespoons per gallon water every 14 days if pests detected Use floating row covers first 3 weeks after transplant to prevent early season pest damage

# **Green Onions**

## **Plant Information**

**Sun Requirements:** full sun

**Water Needs:** moderate

**Days to Harvest:** 65

**Plant Spacing:** 2 inches

**Planting Depth:** 0.5 inches

## **Planting Schedule**

**Direct Sow Outdoors:** April 01

**Harvest Period:** May 15 to June 30

## **Growing Instructions**

### **Soil Preparation**

Test soil pH to 6.0-7.0 using digital meter 2-3 weeks before planting Work 2-3 inches compost into top 8 inches soil when temperature reaches 50°F Choose location with full sun receiving 6-8 hours direct sunlight daily

## **Planting**

Start Green Onions seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 inches deep with 2 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

## **Care & Maintenance**

Water Green Onions deeply 1-1.5 inches per week checking soil moisture 2 inches deep every 3 days Apply 10-10-10 fertilizer at 2 tablespoons per plant every 3 weeks starting 2 weeks after transplant Mulch with 2-3 inches organic matter keeping 6 inches away from plant stem

## **Harvesting**

Begin harvesting Green Onions approximately 65 days after transplant when fruits reach full size Harvest in early morning 6-8 AM when temperatures below 75°F for best quality and flavor Cut stems with clean sharp shears 1/4 inch above leaf node to encourage continued production

## **Pest & Disease Management**

Inspect Green Onions weekly for common zone 4a-6a pests from May through September Apply neem oil spray at 2 tablespoons per gallon water every 14 days if pests detected Use floating row covers first 3 weeks after transplant to prevent early season pest damage

# **Lettuce**

## **Plant Information**

**Sun Requirements:** partial shade

**Water Needs:** moderate

**Days to Harvest:** 45

**Plant Spacing:** 6 inches

**Planting Depth:** 0.25 inches

## **Planting Schedule**

**Direct Sow Outdoors:** April 01

**Harvest Period:** May 15 to June 30

# Growing Instructions

## Soil Preparation

Test soil pH to 6.0-7.0 using digital meter 2-3 weeks before planting Work 2-3 inches compost into top 8 inches soil when temperature reaches 50°F Choose location with partial shade receiving 6-8 hours direct sunlight daily

## Planting

Start Lettuce seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.25 inches deep with 6 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

## Care & Maintenance

Water Lettuce deeply 1-1.5 inches per week checking soil moisture 2 inches deep every 3 days Apply 10-10-10 fertilizer at 2 tablespoons per plant every 3 weeks starting 2 weeks after transplant Mulch with 2-3 inches organic matter keeping 6 inches away from plant stem

## Harvesting

Begin harvesting Lettuce approximately 45 days after transplant when fruits reach full size Harvest in early morning 6-8 AM when temperatures below 75°F for best quality and flavor Cut stems with clean sharp shears 1/4 inch above leaf node to encourage continued production

## Pest & Disease Management

Inspect Lettuce weekly for common zone 4a-6a pests from May through September Apply neem oil spray at 2 tablespoons per gallon water every 14 days if pests detected Use floating row covers first 3 weeks after transplant to prevent early season pest damage

# purple kale

## Plant Information

**Sun Requirements:** full sun to partial shade

**Water Needs:** moderate

**Days to Harvest:** 50

**Plant Spacing:** 18 inches

**Planting Depth:** 0.5 inches

## **Growing Instructions**

### **Soil Preparation**

Test soil pH to 6.0-7.0 using digital meter 2-3 weeks before planting Work 2-3 inches compost into top 8 inches soil when temperature reaches 50°F Choose location with full sun to partial shade receiving 6-8 hours direct sunlight daily

### **Planting**

Start purple kale seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 inches deep with 18 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

### **Care & Maintenance**

Water purple kale deeply 1-1.5 inches per week checking soil moisture 2 inches deep every 3 days Apply 10-10-10 fertilizer at 2 tablespoons per plant every 3 weeks starting 2 weeks after transplant Mulch with 2-3 inches organic matter keeping 6 inches away from plant stem

### **Harvesting**

Begin harvesting purple kale approximately 50 days after transplant when fruits reach full size Harvest in early morning 6-8 AM when temperatures below 75°F for best quality and flavor Cut stems with clean sharp shears 1/4 inch above leaf node to encourage continued production

### **Pest & Disease Management**

Inspect purple kale weekly for common zone 4a-6a pests from May through September Apply neem oil spray at 2 tablespoons per gallon water every 14 days if pests detected Use floating row covers first 3 weeks after transplant to prevent early season pest damage

## **Planting Calendar for 4a-6a**

### **April**

- **Green Onions:** Direct Sow (April 01)
- **Lettuce:** Direct Sow (April 01)
- **Purple Kale:** Direct Sow (April 01)

### **May**

- **Beets:** Direct Sow (May 01)
- **Green Onions:** Harvest Begins (May 15)

- **Lettuce:** Harvest Begins (May 15)
- **Purple Kale:** Harvest Begins (May 15)

**June**

- **Beets:** Harvest Begins (June 15)

**\* Important Frost Dates**

- **Last Spring Frost:** May 10
- **First Fall Frost:** October 01

**Garden Layout Guide**

**Plant Spacing Guide**

Plant	Spacing	Depth	Sun	Water
Beets	3 inches	0.5 inches	full sun	moderate
Green Onions	2 inches	0.5 inches	full sun	moderate
Lettuce	6 inches	0.25 inches	partial shade	moderate
purple kale	18 inches	0.5 inches	full sun to partial shade	moderate

**Layout Tips**

- Plant tall crops on the north side to avoid shading shorter plants
- Group plants with similar water needs together
- Consider companion planting benefits
- Leave pathways for easy access and maintenance