

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 (5 varieties)

Radishes
Broccoli
Spinach
Green Beans
Swiss Chard

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Radishes

Plant Information

Category: Vegetable
Sun Requirements: full sun
Water Needs: moderate
Days to Harvest: 25
Plant Spacing: 1 inches
Planting Depth: 0.5 inches

Planting Schedule

Direct Sow Outdoors: April 01
Harvest Period: April 26 to May 01

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 Radishes seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 inches deep with 1 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

Care & Maintenance

Water Radishes 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 Radishes approximately 25 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 Radishes 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

Broccoli

Plant Information

Category:	Vegetable
Sun Requirements:	full sun
Water Needs:	moderate to high
Days to Harvest:	65
Plant Spacing:	18 inches
Planting Depth:	0.5 inches

Planting Schedule

Direct Sow Outdoors:	April 15
Harvest Period:	June 10 to July 01

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 Broccoli 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 Broccoli 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 Broccoli 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 Broccoli 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

Spinach

Plant Information

Category:	Vegetable
Sun Requirements:	partial shade
Water Needs:	moderate
Days to Harvest:	40
Plant Spacing:	4 inches
Planting Depth:	0.5 inches

Planting Schedule

Direct Sow Outdoors: April 15

Harvest Period: May 25 to June 10

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 Spinach seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 inches deep with 4 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

Care & Maintenance

Water Spinach 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 Spinach approximately 40 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 Spinach 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 Beans

Plant Information

Category: Vegetable

Sun Requirements: full sun

Water Needs: moderate

Days to Harvest: 50
Plant Spacing: 6 inches
Planting Depth: 1.5 inches

Planting Schedule

Direct Sow Outdoors: May 15
Harvest Period: July 01 to September 01

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 Beans seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 1.5 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 Green Beans 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 Beans 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 Green Beans 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

Swiss Chard

Plant Information

Category:	Vegetable
Sun Requirements:	partial shade
Water Needs:	moderate
Days to Harvest:	50
Plant Spacing:	6 inches
Planting Depth:	0.5 inches

Planting Schedule

Direct Sow Outdoors: May 15

Harvest Period: July 01 to September 01

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 Swiss Chard seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.5 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 Swiss Chard 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 Swiss Chard 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 Swiss Chard 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

- **Radishes:** Direct Sow (April 01)
- **Radishes:** Harvest Begins (April 26)
- **Broccoli:** Direct Sow (April 15)
- **Spinach:** Direct Sow (April 15)

May

- **Spinach:** Harvest Begins (May 25)
- **Green Beans:** Direct Sow (May 15)
- **Swiss Chard:** Direct Sow (May 15)

June

- **Broccoli:** Harvest Begins (June 10)

July

- **Green Beans:** Harvest Begins (July 01)
- **Swiss Chard:** Harvest Begins (July 01)

* Important Frost Dates

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

Garden Layout Guide

Plant Spacing Guide

Plant	Spacing	Depth	Sun	Water
Radishes	1 inches	0.5 inches	full sun	moderate
Broccoli	18 inches	0.5 inches	full sun	moderate to high
Spinach	4 inches	0.5 inches	partial shade	moderate
Green Beans	6 inches	1.5 inches	full sun	moderate
Swiss Chard	6 inches	0.5 inches	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