

JardAIIn - AI Garden Planner

Your Personalized Garden Plan

{'zip_code': 'E1E 2A2', 'city': 'Moncton', 'state': 'New Brunswick', 'usda_zone': '4a-6a', 'last_frost_date': datetime.date(2025, 5, 10), 'first_frost_date': datetime.date(2025, 10, 1), 'growing_season_days': 144, 'climate_type': 'cold'}

Climate Zone: 4a-6a

Last Frost: May 10

First Frost: October 01

2 Plants Selected

2 Varieties

Generated on May 23, 2025 at 05:46 PM

AI-Powered Garden Planning

Table of Contents

Garden Overview 3

Plant Details 4

Planting Calendar 6

Garden Layout Guide 7

Garden Overview

Location Information

Location: {'zip_code': 'E1E 2A2', 'city': 'Moncton', 'state': 'New Brunswick', 'usda_zone': '4a-6a', 'last_frost_date': datetime.date(2025, 5, 10), 'first_frost_date': datetime.date(2025, 10, 1), 'growing_season_days': 144, 'climate_type': 'cold'}

Climate Zone: 4a-6a

Selected Plants (2 varieties)

Broccoli Vegetable

Spinach Vegetable

Broccoli

Vegetable
Broccoli

Basic Information

Category: Vegetable

Sun Requirement: full sun

Water Needs: moderate to high

Days to Maturity: 65

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 Instructions

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

Common Problems & Solutions

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

Vegetable
Spinach

Basic Information

Category: Vegetable

Sun Requirement: partial shade

Water Needs: moderate

Days to Maturity: 40

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 Instructions

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

Common Problems & Solutions

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

Planting Calendar for 4a-6a

January

No plantings scheduled

February

No plantings scheduled

March

No plantings scheduled

April

Broccoli

Direct Sow

Spinach

Direct Sow

May

Spinach

Harvest Begins

June

Broccoli

Harvest Begins

July

No plantings scheduled

August

No plantings scheduled

September

No plantings scheduled

October

No plantings scheduled

November

No plantings scheduled

December

No plantings scheduled

Garden Layout Guide

Plant Spacing Requirements

Plant	Spacing	Depth	Sun	Water
Broccoli	18 inches	0.5 inches	full sun	moderate to high
Spinach	4 inches	0.5 inches	partial shade	moderate

Layout Tips & Best Practices

- 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

Estimated Garden Area: 8 square feet (estimated)

Plants by Category

Vegetable

Broccoli Spinach