

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

3 Plants Selected

3 Varieties

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AI-Powered Garden Planning

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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 (3 varieties)

Lettuce Vegetable

Peppers Vegetable

Cucumbers Vegetable

Lettuce

Vegetable
Lettuce

Basic Information

Category: Vegetable

Sun Requirement: partial shade

Water Needs: moderate

Days to Maturity: 45

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 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

Common Problems & Solutions

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

Peppers

Vegetable
Peppers

Basic Information

Category: Vegetable
Sun Requirement: full sun
Water Needs: moderate
Days to Maturity: 80

Growing Instructions

Soil Preparation

Test soil pH to 6.0-6.8 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 Peppers seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 0.25 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 Peppers 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 Peppers approximately 80 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 Peppers 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

Cucumbers

Vegetable
Cucumbers

Basic Information

Category: Vegetable
Sun Requirement: full sun
Water Needs: high
Days to Maturity: 55

Growing Instructions

Soil Preparation

Test soil pH to 6.0-6.8 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 Cucumbers seeds indoors 6-8 weeks before 2025-05-10 at 70-75°F soil temperature Sow seeds 1.0 inches deep with 12 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-10 when nighttime temperatures stay above 50°F

Care & Maintenance

Water Cucumbers 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 Cucumbers 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

Common Problems & Solutions

Inspect Cucumbers 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

No plantings scheduled

May

No plantings scheduled

June

No plantings scheduled

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
Lettuce	6 inches	0.25 inches	partial shade	moderate
Peppers	18 inches	0.25 inches	full sun	moderate
Cucumbers	12 inches	1.0 inches	full sun	high

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: 12 square feet (estimated)

Plants by Category

Vegetable

Lettuce Peppers Cucumbers