

# JardAI - AI Garden Planner

AI-Powered Garden Planning

## Your Personal Garden Plan

Moncton, New Brunswick

USDA Zone 4a-6a

1

Plant Varieties

4a-6a

USDA Zone

Growing Days

### Your Selected Plants

Cucumbers

Generated on May 23, 2025

Last Frost: May 10 \* First Frost: October 01

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## Garden Overview

### Your Location

Location

Moncton, New Brunswick E1E 2A2

USDA Hardiness Zone  
Zone 4a-6a

Last Spring Frost  
May 10

✱

First Fall Frost  
October 01

## **Plant Selection Summary**

Vegetable (1)  
Cucumbers

## **✧ Quick Reference**

Start Planning  
Begin indoor seedlings 6-8 weeks before last frost

Temperature Watch  
Monitor night temperatures before transplanting outdoors

Watering Guide  
Deep, infrequent watering promotes strong root systems

Sun Requirements  
Most vegetables need 6-8 hours of direct sunlight daily

## **Your Personalized Planting Calendar**

180  
Growing Season Days  
Spring  
Summer  
Fall  
May

Cucumbers  
Direct Sow  
May 15  
July  
✱

Cucumbers  
Harvest Begins  
July 25

## Legend

Sowing/Planting  
Transplanting  
Harvesting

# Cucumbers

Vegetable

55 days  
Days to Harvest

12 inches  
Plant Spacing

☀  
Sun Requirements  
full sun

Water Needs  
high

Planting Depth  
1.0 inches

## Planting Timeline

Direct Sow Outdoors  
May 15

Harvest Period  
July 25 to September 10

## Complete Growing Guide

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 Guide

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

#### Pest & Disease Management

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

## **Garden Layout Recommendations**

### **Optimized Plant Placement**

Based on your plant selection, here are AI-powered recommendations for optimal garden layout considering companion planting, spacing requirements, and growth patterns.

#### **Plant Spacing Guide**

Cucumbers  
12 inches

## **Expert Gardening Tips**

Water in the early morning to reduce evaporation and prevent disease

Start with healthy soil - add compost regularly to improve structure and nutrients

Encourage beneficial insects by planting flowers among your vegetables

Give plants proper spacing to ensure good air circulation and prevent disease

Succession plant lettuce and radishes every 2-3 weeks for continuous harvest

Rotate crops annually to prevent soil depletion and reduce pest problems

Use mulch to regulate soil temperature and retain moisture

⌘ Regular harvesting encourages plants to produce more

Keep a garden journal to track what works in your specific location

Harvest herbs in the morning after dew evaporates for best flavor

## **Happy Gardening!**

Your garden plan has been carefully crafted using AI technology and expert gardening knowledge. Remember that gardening is both an art and a science – use this plan as your guide, but don't hesitate to adapt based on your local conditions and observations.

"The best time to plant a tree was 20 years ago. The second best time is now."

- Chinese Proverb

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