

JardAIIn - AI Garden Planner

Your Personalized Garden Plan

{'zip_code': 'STR ING', 'city': 'Saskatoon', 'state': 'Saskatchewan', 'usda_zone': '1a-3a', 'last_frost_date': datetime.date(2025, 5, 30), 'first_frost_date': datetime.date(2025, 9, 15), 'growing_season_days': 108, 'climate_type': 'arctic'}

Climate Zone: 1a-3a

Last Frost: May 30

First Frost: September 15

1 Plants Selected

1 Varieties

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AI-Powered Garden Planning

Table of Contents

Garden Overview 3

Plant Details 4

Planting Calendar 5

Garden Layout Guide 6

Garden Overview

Location Information

Location: {'zip_code': 'STR ING', 'city': 'Saskatoon', 'state': 'Saskatchewan', 'usda_zone': '1a-3a', 'last_frost_date': datetime.date(2025, 5, 30), 'first_frost_date': datetime.date(2025, 9, 15), 'growing_season_days': 108, 'climate_type': 'arctic'}

Climate Zone: 1a-3a

Selected Plants (1 varieties)

String (Agave sisalana) Vegetable

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Basic Information

Category: Vegetable

Sun Requirement: full sun

Water Needs: low

Days to Maturity: 180

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 String (Agave sisalana) seeds indoors 6-8 weeks before 2025-05-30 at 70-75°F soil temperature Sow seeds 1.5 inches deep with 24 inch spacing between plants Transplant outdoors 2 weeks after 2025-05-30 when nighttime temperatures stay above 50°F

Care & Maintenance

Water String (Agave sisalana) 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 String (Agave sisalana) approximately 180 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 String (Agave sisalana) weekly for common zone 1a-3a 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 1a-3a

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
String (Agave sisalana)	24 inches	1.5 inches	full sun	low

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: 4 square feet (estimated)

Plants by Category

Vegetable

String (Agave sisalana)