

Cool Season Vegetables



UofA

DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System



Cool Season Vegetables

August - March



FYI

Adjust Planting Dates

For climate zone within Arkansas

See FSA 6001

To produce cabbage, broccoli, or cauliflower plants for Fall or Spring Crop, so seed about four weeks earlier than the dates suggest for plant setting.

The Asparagus Family

Liliaceae



Culture

- Plant crowns
- Wait one year
- Harvest one week year 2
- Full harvest year 3
- Mow ferns late fall
- Do not Mulch

Preparing to Plant Crowns



Dig trench
about 8-12
inches deep

Crown With Storage Roots



Cover crown with 2 inches of soil





Spears Ready to Harvest



Polygonaceae

The Buckwheat Family

Rhubarb a Perennial Crop



Culture

- Plant roots and grow them like asparagus
- Fertilize spring and late summer
- Do not mulch
- Do not eat leaves



Rhubarb a Perennial Crop



Rhubarb Grown for Tart Petioles



Color on Petioles Needs Cooler Nights



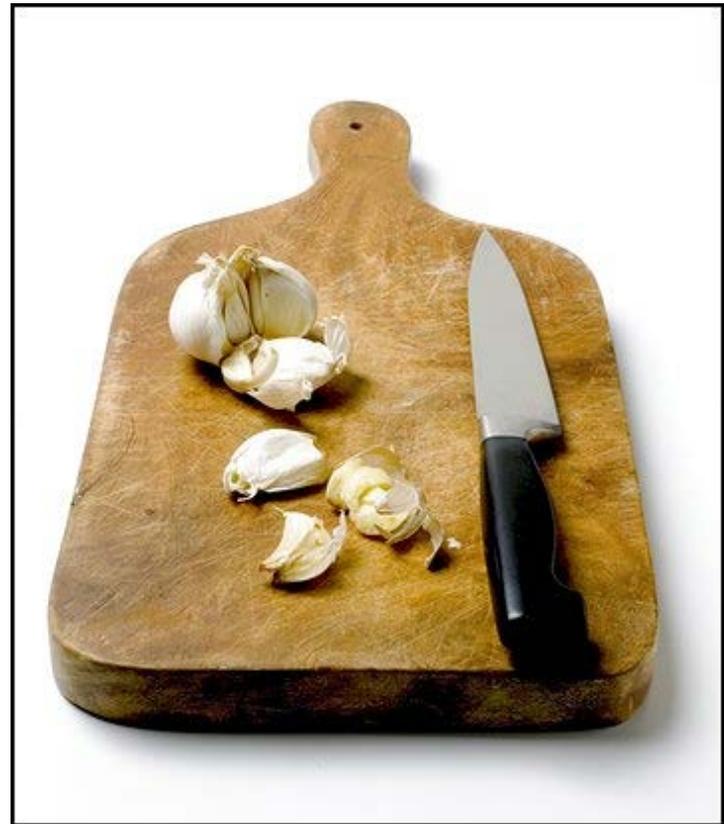
Alliaceae

The Onion and Garlic
Family

Members of Onion Family

100-120 Days To Maturity

- Onions
- Garlic
- Leeks
- Chives
- Shallots





Onions, Shallots, Garlic and Chives

- Onions – plant from Feb – April
- Garlic plant in fall – Oct. /Nov.
- Plant transplants or sets
- Bulb in response to day length-short day for AR
- Don't cover bulb as it forms
- Harvest when about ¼ foliage flops over



Necks start to soften and fall over



Asteraceae

Lettuce

The Sunflower Family

- Lettuce is the most common member grown.
- Crisp head
- Butter head
- Romaine
- Loose Leaf
- 50-55 DTM



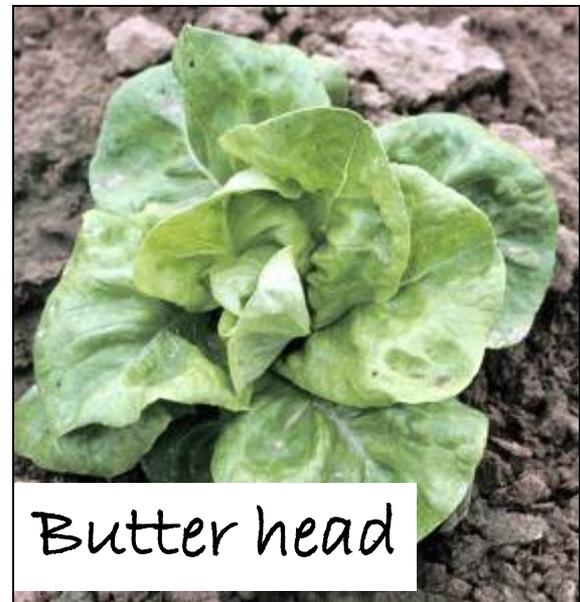
Culture

- Plants seeds shallow
- Thin
- Keep leaves dry



Lettuce

- Plant late August – April
- Choose leaf lettuces
- Biennial so will bolt



The Cabbage Family

Brassicaceae



60-75 Day to Maturity

Cabbage, Broccoli, Cauliflower(transplants)

Cabbage

- Cool Season – tolerates temp down to 24 degrees
- Biennial – will bolt in the spring when it gets hot
- Fertilizer – at planting and again when about ½ grown = 30 days



Broccoli



Cauliflower – The Modified Floret



Broccoli





Brussels Sprouts – The Axillary Buds



Bacon, the Secret to Great Brussels Sprouts!



Turnips

- Plant Aug 1st - Sept. 15th
- Plant a mix for greens and roots
- Seven Top – very cold hardy greens
- Monitor for aphids and Cercospora leaf spot – treat as needed
- 50-60 Days to Maturity

Root & Greens - Purple Top White Globe, White Lady Hybrid, Just Right



Greens – Seven Top, All Top, Shogoin



Collards

50-60 Days to Maturity



Mustard



Chenopodiaceae

- The Spinach Family

- Lambs quarter
- Spinach 40-50 DTM
- Swiss Chard 60-70 DTM
- Beets 60-70 DTM



Spinach

- Plant in October, plant in succession.
- Good drainage important, does best if kept well watered
- Fertilize
- Row covers will keep producing even in the coldest part of the winter.
- Bolting



Potatoes



- America Native
- Cool season – plant mid Feb. to early March
- Seed pieces not seed
- Stem not root
- Fertilize – pre-plant and side dress
- Keep covered
- Have fun – plant in a bale of straw or stack of tires
- Harvest when vines die
- 90-100 Days to Maturity



Seed Potatoes



Planting Seed Potatoes





Apiaceae

The Carrot Celery Family



Members of the Carrot Family

- Dill
- Celery
- Fennel
- Carrot
- Parsnip
- Parsley



Culture

- Direct seed
- Thin
- Harvest before soils gets to warm
- 65-75 Days to Maturity



Young Seedlings



Sources of Information - Gardening

- Experienced Gardeners
- University of Arkansas Cooperative Extension Service – soil testing, insect and disease id. and control recommendations, info. on growing each vegetable crop

Home Gardening Series
Summer Squash

Environment
Light – sunny
Soil – well-drained
Fertility – medium rich
pH – 6.5 to 7.2
Moisture – warm

Culture
Planting – transplant or direct seed after danger of frost.
Spacing – 24 inch x 48 inches
Harvesting – very tender several weeks, mature and green and white-striped even prior squash.
Insects – squash bugs, squashworms, cutworms, and other insects.

Summer Squash – Cucurbita pepo
Squash is a great fruit belonging to the genus Cucurbita. Other wild members of this family include cucumbers, melons, pumpkins and gourds. Cucurbits are native to the Americas and were first domesticated in the Americas. Squash has never been found in a wild state and has been reported in primitive agriculture for centuries.

The earliest cucurbits – probably originating in Central America – were pumpkins cultivated from 8000 years ago. Cucurbits were first domesticated in the Americas and were first reported in the Americas in the 16th century. Squash is a member of the Cucurbitaceae family. Squash is a member of the Cucurbitaceae family. Squash is a member of the Cucurbitaceae family.

Home Gardening Series
Tomatoes

Environment
Light – sunny
Soil – well-drained, loose
Fertility – medium rich
pH – 6.5 to 7.2
Moisture – warm

Culture
Planting – transplant after danger of frost.
Spacing – 18-24 x 48-72 inches
Harvesting – tender fruit sensitive to cracking.
Insects – heavy borers.

Tomatoes – Lycopersicon esculentum – Perennial
Tomatoes belong to a group of plants in the nightshade family. The edible members include Irish potatoes, eggplants, peppers and ground cherries. Many tomatoes are grown in the United States. Tomatoes are grown in the United States. Tomatoes are grown in the United States.

Cultural Practices
Thousands of cultivars of tomatoes are available for the home gardener. They range widely in size, shape, color, skin type, disease resistance and season of maturity. Some are very early, some are very late, and some are very long season. Some are very early, some are very late, and some are very long season.

Year-Round Home Garden Planting Guide

The purpose of the Year-Round Home Garden Planting Guide is to show activities in the garden by season.

The closer to the bottom of the list a vegetable or activity is listed, the closer to the end of the month it should be planted or performed.

To protect seeds, plants, and soil from frost, use mulch and cover crops for fall crops.

Frost Zones for Arkansas

Zone	Mean Date of Last Spring Freeze	Mean Date of First Fall Freeze
A	March 20	November 15
B	March 27	November 7
C	April 3	October 26
D	April 10	October 20
E	April 20	October 10

Arkansas Is Our Campus

Vegetable Gardening in Arkansas

Cooperative Extension Service, University of Arkansas, United States Department of Agriculture and County Governments Cooperating