

Companion Planting



Carroll
Soil and Water
Conservation
District

Presented by Sherry Liber

Companion Planting

Purposely placing close together different plants that benefit each other.

Healthier Plants, Higher Yield



Benefits

1. Provide nutrients to other plants

Nitrogen-fixing
plants

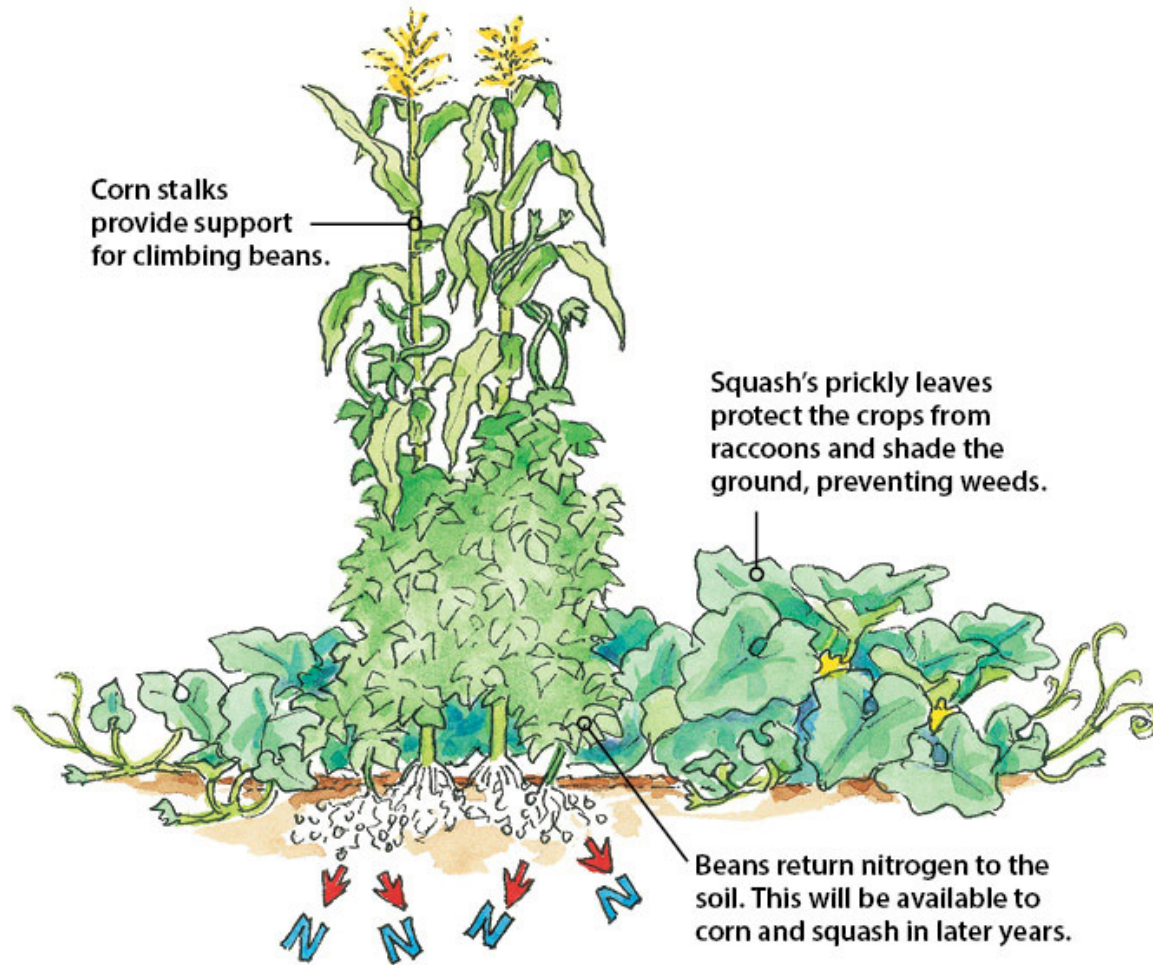


2. Enhance growing environment

- Tall plants provide structure for smaller climbing plants
- Large leafed plants provide shade
 - * Retain moisture
 - * Protect heat-sensitive plants
 - * Smother weeds



Longstanding Tradition



3. Pest Control

Radishes to the Rescue

- Cabbage maggots will be attracted to the radishes first. Pull the infested radishes and save your cabbage and broccoli.
- Repel cucumber beetles



Odoriferous Onions

- Repel carrot rust flies, Colorado potato beetles, Japanese beetles and aphids

Nasturtiums for Dinner

- Slugs would rather eat them than lettuce



Certain crops provide mutual defense against pest problems – one protects the other.

Beans & Potatoes

Alternate rows to reduce Colorado potato beetles and Mexican bean beetles.



The Sweet Smell of Dill

will deter the cucumber & potato beetles from attacking tomatoes, potatoes.

Sacrificial Eggplant

Plant an extra eggplant among your tomatoes. When beetles accumulate on the plant, pull it and destroy it.



4. Attract Beneficial Insects



Pollinators:
Bees, moths,
butterflies, wasps



Pest Predators:

Lady beetles, praying mantis, & lace-wings
love aphids & other pests



COMPANION PLANTING CHART

PLANTS GROW WELL TOGETHER

BENEFICIAL TO GARDEN IN GENERAL

COMBINATION HELPS BUG CONTROL

CARROTS WILL HAVE GOOD FLAVOR BUT STUNTED ROOTS

DON'T PLANT TOGETHER



OREGANO, PEPPERS, TOMATOES, SAGE, THYME

BROCCOLI, CARROTS, CAULIFLOWER, CORN, CUCUMBER, PEAS, ROSEMARY, STRAWBERRY, SWISS CHARD, TOMATOES, THYME, SAGE, CHIVES, GARLIC, LEEKS, MARIGOLD, ONION, PEPPERS

BEANS, CARROTS, CHIVES, CUCUMBER, DILL, GARLIC, LETTUCE, NASTURTIUM, ONION, ROSEMARY, SAGE, SPINACH, SWISS CHARD, THYME, OREGANO, PEPPERS, SQUASH, STRAWBERRY, TOMATOES

BEANS, BROCCOLI, CAULIFLOWER, CHIVES, LEEKS, LETTUCE, ONION, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, THYME, TOMATOES, DILL

BEANS, CARROTS, CHIVES, CUCUMBER, DILL, GARLIC, LETTUCE, NASTURTIUM, ONION, ROSEMARY, SAGE, SPINACH, SWISS CHARD, THYME, OREGANO, PEPPERS, SQUASH, STRAWBERRY, TOMATOES

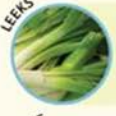
BROCCOLI, CARROTS, CAULIFLOWER, PARSLEY, TOMATOES, SAGE, THYME, PEAS, BEANS

SAGE, THYME, SPINACH

BEANS, CUCUMBER, DILL, MELON, PARSLEY, PEAS, SQUASH, SUNFLOWER, SAGE, THYME, TOMATOES

BEANS, BROCCOLI, CAULIFLOWER, CORN, DILL, LETTUCE, NASTURTIUM, ONION, PEAS, PEPPERS, TOMATOES, THYME, SAGE

BROCCOLI, CAULIFLOWER, CORN, CUCUMBER, LETTUCE, ONION, SAGE, THYME, CARROTS, TOMATOES



BROCCOLI, CAULIFLOWER, LETTUCE, STRAWBERRY, TOMATOES, THYME, SAGE, BEANS, PEAS

CARROTS, ONION, SPINACH, SAGE, THYME, BEANS, PEAS

BROCCOLI, CARROTS, CAULIFLOWER, CUCUMBER, DILL, GARLIC, ONION, SPINACH, SQUASH, STRAWBERRY, TOMATOES, SAGE, THYME

MELON, TOMATOES, SAGE, THYME, SQUASH, BEANS

CORN, MARIGOLD, NASTURTIUM, SQUASH, SUNFLOWER, SAGE, THYME

BROCCOLI, CAULIFLOWER, CUCUMBER, MELON, TOMATOES, SAGE, THYME, SQUASH

BROCCOLI, CARROTS, CAULIFLOWER, CUCUMBER, DILL, LEEKS, LETTUCE, PARSLEY, STRAWBERRY, SWISS CHARD, TOMATOES, SAGE, THYME, BEANS, PEAS

BASIL, PEPPERS, BROCCOLI, CAULIFLOWER, SAGE, THYME

CARROTS, CHIVES, CORN, ONION, PEAS, PEPPERS, TOMATOES, SAGE, THYME

BEANS, CARROTS, CORN, CUCUMBER, PARSLEY, PEPPERS, SPINACH, SQUASH, STRAWBERRY, SAGE, THYME, CHIVES, GARLIC, LEEKS, ONION



BASIL, CARROTS, CUCUMBER, OREGANO, PARSLEY, PEAS, ROSEMARY, SQUASH, SWISS CHARD, TOMATOES, SAGE, THYME, BEANS, BROCCOLI, CAULIFLOWER

BEANS, BROCCOLI, CARROTS, CAULIFLOWER, PEPPERS, SAGE, THYME

BROCCOLI, CARROTS, CAULIFLOWER, BASIL, BEANS, CHIVES, CILANTRO, CORN, DILL, GARLIC, LEEKS, LETTUCE, MARIGOLD, MELON, NASTURTIUM, ONION, OREGANO, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, SPINACH, SQUASH, STRAWBERRY, SUNFLOWER, SWISS CHARD, THYME, TOMATOES, CUCUMBER

BROCCOLI, CAULIFLOWER, LEEKS, LETTUCE, PEAS, STRAWBERRY, SAGE, THYME, CILANTRO

CORN, LETTUCE, MELON, PEAS, PEPPERS, SAGE, THYME, MARIGOLD, NASTURTIUM, BROCCOLI, CAULIFLOWER

BEANS, GARLIC, LETTUCE, ONION, PEAS, SPINACH, THYME, SAGE, BROCCOLI, CAULIFLOWER

CORN, MELON, SAGE, THYME

BEANS, BROCCOLI, CAULIFLOWER, ONION, PEPPERS, SAGE, THYME

BROCCOLI, CAULIFLOWER, STRAWBERRY, BASIL, BEANS, CARROTS, CHIVES, CILANTRO, CORN, CUCUMBER, DILL, GARLIC, LEEKS, LETTUCE, MARIGOLD, MELON, NASTURTIUM, ONION, OREGANO, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, SPINACH, SQUASH, SUNFLOWER, SWISS CHARD, THYME, TOMATOES

BASIL, BEANS, CHIVES, CUCUMBER, GARLIC, LETTUCE, MARIGOLD, NASTURTIUM, ONION, PARSLEY, PEPPERS, SAGE, THYME, CARROTS, BROCCOLI, CAULIFLOWER, CORN, DILL

Asparagus:
Basil, Parsley,
Marigold,
Nasturtium;
Garlic, Onion

Beets:
Asparagus,
Broccoli,
Lettuce,
Onions;
Mustard, Pole
Beans

Potato: Corn,
Beans, Peas,
Cabbage,
Marigolds,
Nasturtium;
Cucumber,
Squash,
Tomato,
Sunflower

Kale: same as
broccoli



HERB COMPANION PLANTING CHART

Common Name	Companions and Effects
Basil	Is said to make tomatoes taste better; dislikes rue intensely. Improves growth and flavor repels flies and mosquitoes.
Beebalm	Companion to tomatoes; improves growth and flavor.
Borage	The "Magic Bullet" of companion plants. Good with tomatoes, squash and strawberries; deters tomato worm; improves growth and flavor.
Chamomile	Companion to cabbages and onions; improves growth and flavor
Chives	Companion to carrots; improves growth and flavor; avoid beans and peas
Cilantro	Beans, Peas, Spinach, Tomato – attracts beneficial insects like tachnid flies, parasitoid wasps and hoverflies – helps repel aphids, potato beetles and spider mites
Dead nettle	Companion to potatoes; deters potato beetle; improves growth and flavor
Dill	Companion to cabbage; dislikes carrots and tomato; improves growth and health of cabbage. Carefull! Attracts tomato hornworm!
Garlic	Plant near roses and raspberries; deters Japanese beetle; improves growth and flavor
Hyssop	Deters cabbage moth; companion to cabbage and grapes. Keep away from radishes. Attracts honey bees and butterflies!
Lavender	Cabbage, Cauliflower, Rubeckia, Rue, Blanket Flower, Echinacea, Lambs Ear, and Yarrow – natural repellent of aphids, fleas, moths, slugs, ticks, and deer. Lavender is needs full sun, little water, and little to no fertilizer. If you plant it next to something that thrives on more care, decide which one is most important to you).
Lemon Balm	Sprinkle throughout garden.
Lovage	Is thought to improve the health of almost all plants, like borage and geraniums, is considered a "magic bullet" of companion planting
Marigolds	The workhorse of the pest deterrents. Plant throughout garden; it discourages Mexican bean beetles, nematodes, and other insects. French marigolds produce a pesticidal chemical from their roots, so strong it lasts years after they are gone
Marjoram	Plant here and there in garden; improves flavors
Mole Plant	Deters moles and mice if planted here and there
Nasturtium	Companion to radishes, cabbage, and curcubits; plant under fruit trees. Deters aphids, squash bugs, striped pumpkin beetles; improves growth and flavor. A trap crop
Petunia	Protects beans, cucurbits (squash, pumpkins, cucumbers), asparagus. A trap crop almost identical to geraniums in function
Pot marigold – Calendula	Companion to tomatoes, but plant elsewhere in garden too. Deters asparagus beetle, tomato worm, and general garden pests.
Purslane	This edible weed makes good ground cover in the corn.
Peppermint	Planted among cabbages, it repels the white cabbage butterfly. Note: mints can be invasive
Rosemary	Companion to cabbage, bean, carrots, and sage; deters cabbage moth, many bean beetles, and carrot fly. Don't plant with Basil.
Rue	Keep it far away from sweet basil; plant near roses and raspberries; deters Japanese beetle.
Sage	Plant with rosemary, cabbage, beans and carrots; keep away from cucumbers. Deters cabbage moth, many bean beetles, carrot fly.
Summer Savory	Plant with green beans and onions; improves growth and flavor. Deters bean beetle and delays germination of certain foul herbs
Tansy	Plant under fruit trees; companion to roses and raspberries. Deters flying insects, Japanese beetles, striped cucumber beetles, squash bugs, ants.
Tarragon	Good throughout garden. Its scent is disliked by most pests, and this plant is also thought to have Nurse Plant properties, enhancing the growth and flavor of crops grown with it.
Thyme	Plant here and there in garden. Deters cabbage worm, attracts beneficial insects
Wormwood	As a border, it keeps animals from the garden.
Yarrow	Plant along borders, paths, near aromatic herbs; enhances essential oil production.

Source: Farmhomestead.com



Companion Planting Sample

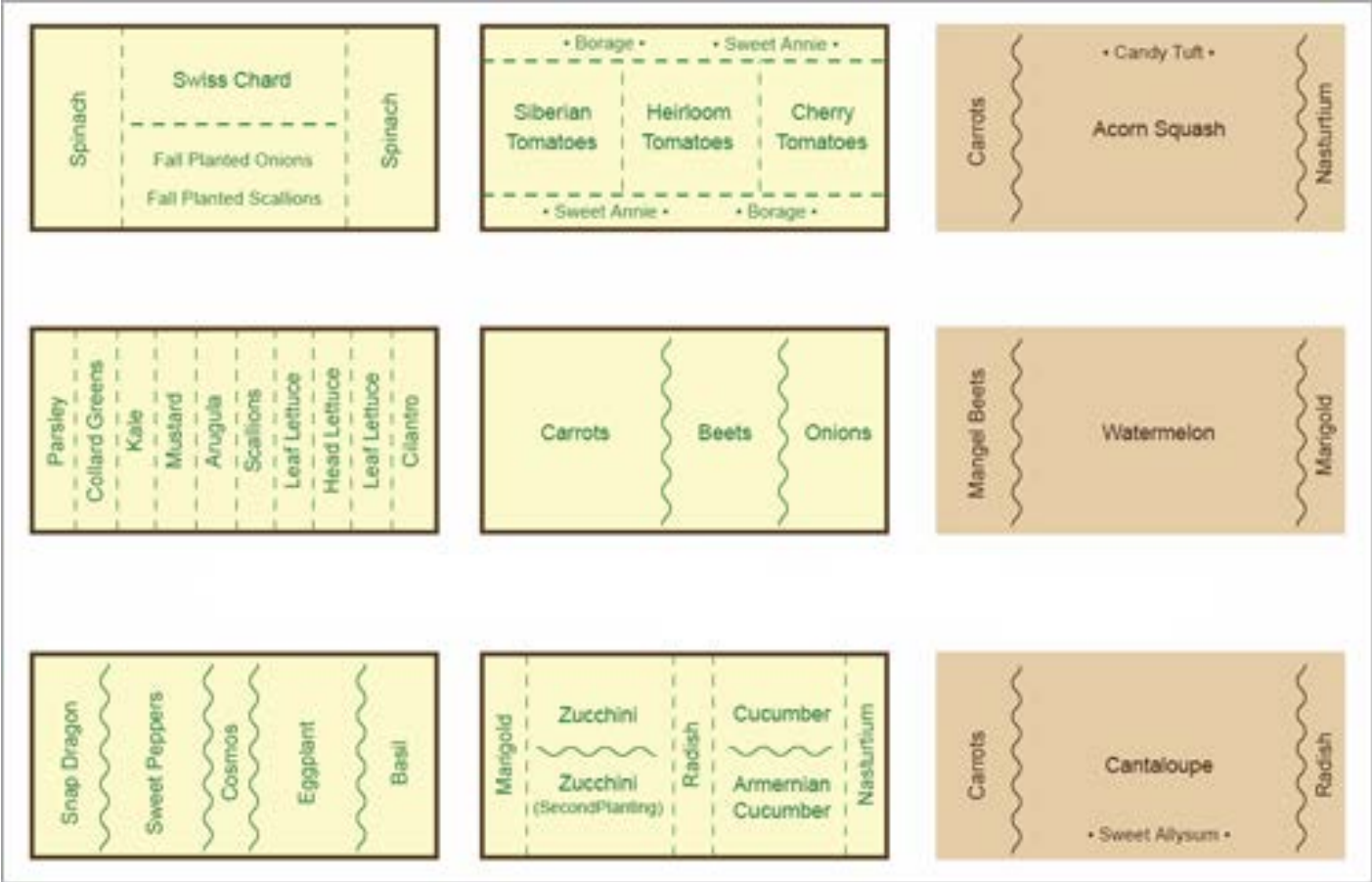


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