

# companion gardening

<b>Tomatoes</b> 	      
<b>Beans</b> 	      
<b>Peppers</b> 	    
<b>Carrot</b> 	       
<b>Lettuce</b> 	      
<b>Potatoes</b> 	    
<b>Onions</b> 	      
<b>Cucumber</b> 	     
<b>Squash</b> 	    
<b>Corn</b> 	   
<b>Peas</b> 	       

# COMPANION PLANTING CHART

<u>Plant</u>	<u>Good Companions</u>	<u>Bad Companions</u>
Tomato	Basil, Carot, Onion, Marigold, Garlic	Cabbage, Corn, Fennel, Potato
Carrot	Tomato, Lettuce, Onion, Peas	Dill, Parsnip
Cucumber	Beans, Peas, Radish, Nasturtium, Marigold	Sage, Potato
Beans	Corn, Cucumber, Radish, Strawberry	Onion, Garlic
Onion	Carrot, Lettuce, Beet, Chamomile	Beans, Peas
Cabbage	Dill, Onion, Potato, Celery	Tomato, Strawberry, Grape
Peppers	Basil, Carrot, Onion, Spinach	Fennel, Kohlrabi
Lettuce	Carrot, Cucumber, Radish, Strawberry	Parsley, Celery
Radish	Carrot, Cucumber, Lettuce, Peas	Hyssop
Potato	Cabbage, Corn, Beans, Marigold	Tomato, Cucumber, Pumpkin
Spinach	Strawberries, Peas, Cabbage	None significant
Corn	Beans, Cucumber, Peas, Pumpkin	Tomato
Basil	Tomato, Peppers, Oregano	Rue
Marigold	Most vegetables (repels pests)	None
Garlic	Tomato, Lettuce, Cabbage, Beets	Beans, Peas

# COMPANION PLANTING CHART

<u>Plant</u>	<u>Good Companions</u>	<u>Bad Companions</u>
Broccoli	Onion, Celery, Potato, Dill	Strawberry, Tomato, Pole Beans
Cauliflower	Celery, Onion, Peas, Beans	Grape, Strawberry
Beets	Onion, Lettuce, Cabbage, Radish	Pole Beans
Celery	Tomato, Leek, Onion, Spinach	Corn, Carrots
Zucchini	Corn, Peas, Radish, Nasturtium	Potato, Pumpkin
Turnip	Peas, Onion, Cabbage	Potato, Mustard
Pumpkin	Corn, Beans, Marigold	Potato
Melon	Corn, Sunflower, Marigold	Potato
Parsley	Tomato, Corn, Asparagus	Lettuce, Mint
Chives	Carrot, Tomato, Apple Trees	Beans, Peas
Rosemary	Beans, Cabbage, Carrot	Basil
Sage	Cabbage, Carrot, Rosemary	Cucumber, Onion
Oregano	Most vegetables (pest deterrent)	None significant
Leek	Carrot, Onion, Celery	Beans, Peas
Mint	Cabbage, Tomato (in moderation)	Parsley
Asparagus	Tomato, Parsley, Basil	Onion, Garlic

# COMPANION PLANTING CHART WITH SEASON

<u>Plant</u>	<u>Good Companions</u>	<u>Bad Companions</u>	<u>Season</u>
Tomato	Basil, Carrot, Onion, Marigold, Garlic	Cabbage, Corn, Fennel, Potato	Spring–Summer
Carrot	Tomato, Lettuce, Onion, Peas	Dill, Parsnip	Spring–Fall
Cucumber	Beans, Peas, Radish, Nasturtium, Marigold	Sage, Potato	Late Spring–Summer
Beans	Corn, Cucumber, Radish, Strawberry	Onion, Garlic	Spring–Summer
Onion	Carrot, Lettuce, Beet, Chamomile	Beans, Peas	Early Spring–Fall
Cabbage	Dill, Onion, Potato, Celery	Tomato, Strawberry, Grape	Spring–Fall
Peppers	Basil, Carrot, Onion, Spinach	Fennel, Kohlrabi	Late Spring–Summer
Lettuce	Carrot, Cucumber, Radish, Strawberry	Parsley, Celery	Spring–Fall
Radish	Carrot, Cucumber, Lettuce, Peas	Hyssop	Spring–Fall
Potato	Cabbage, Corn, Beans, Marigold	Tomato, Cucumber, Pumpkin	Spring
Spinach	Strawberries, Peas, Cabbage	None significant	Early Spring–Fall
Corn	Beans, Cucumber, Peas, Pumpkin	Tomato	Late Spring–Summer
Basil	Tomato, Peppers, Oregano	Rue	Spring–Summer
Marigold	Most vegetables	None	Spring–Summer
Garlic	Tomato, Lettuce, Cabbage, Beets	Beans, Peas	Fall–Early Spring
Broccoli	Onion, Celery, Potato, Dill	Strawberry, Tomato, Pole Beans	Spring–Fall
Cauliflower	Celery, Onion, Peas, Beans	Grape, Strawberry	Spring–Fall
Beets	Onion, Lettuce, Cabbage, Radish	Pole Beans	Spring–Fall
Celery	Tomato, Leek, Onion, Spinach	Corn, Carrots	Spring–Summer
Zucchini	Corn, Peas, Radish, Nasturtium	Potato, Pumpkin	Late Spring–Summer
Turnip	Peas, Onion, Cabbage	Potato, Mustard	Spring–Fall
Pumpkin	Corn, Beans, Marigold	Potato	Late Spring–Summer
Melon	Corn, Sunflower, Marigold	Potato	Late Spring–Summer
Parsley	Tomato, Corn, Asparagus	Lettuce, Mint	Spring–Summer
Chives	Carrot, Tomato, Apple Trees	Beans, Peas	Spring–Summer
Rosemary	Beans, Cabbage, Carrot	Basil	Spring–Summer
Sage	Cabbage, Carrot, Rosemary	Cucumber, Onion	Spring–Summer
Oregano	Most vegetables	None significant	Spring–Summer
Leek	Carrot, Onion, Celery	Beans, Peas	Spring–Fall
Mint	Cabbage, Tomato (in moderation)	Parsley	Spring–Fall
Asparagus	Tomato, Parsley, Basil	Onion, Garlic	Early Spring

# MONTHLY COMPANION PLANTING PLANNER

<u>Month</u>	<u>What to Plant</u>	<u>Good Companions</u>	<u>Avoid Planting Near</u>	<u>Garden Tip</u>
January	Onions, Leeks, Chives (indoors)	Lettuce, Carrot	Beans (too early)	Start seeds indoors in trays
February	Tomatoes, Peppers, Eggplants (indoors)	Basil, Onions	Brassicas near tomatoes	Warm soil with black plastic
March	Peas, Spinach, Radish, Carrots	Lettuce + Radish, Peas + Carrots	Onions with beans	Begin composting
April	Potatoes, Onions, Lettuce, Beets	Onions + Carrots, Lettuce + Beets	Potatoes near tomatoes	Mulch root crops
May	Tomatoes, Cucumbers, Beans, Peppers	Basil + Tomato, Beans + Corn	Cucumber near sage	Stake tomatoes early
June	Zucchini, Pumpkins, Melons, Basil	Corn + Beans + Squash	Potatoes near cucumbers	Water deeply, not too often
July	Carrots, Beets, Lettuce (succession)	Carrot + Onion, Beets + Lettuce	Lettuce near parsley	Watch for bolting
August	Spinach, Turnips, Kale	Cabbage + Onion, Spinach + Strawberries	Cabbage near tomatoes	Prepare for fall crops
September	Garlic, Shallots, Onions (overwintering)	Garlic + Lettuce, Shallots + Spinach	Garlic near beans	Clear summer crops, prep beds
October	Garlic, Broad Beans	Garlic + Cabbage, Beans + Carrots	Garlic near peas	Mulch well, plant cover crops
November	Cover crops (rye, clover), compost	—	—	Clean tools, compost, rest soil
December	Plan garden, order seeds	—	—	Review last season, sketch layout

# COMPANION PLANTING SIMPLIFIED

	Carrot	Tomato	Onion	Cucumber	Lettuce	Beans	Potato	Corn
Carrot	—	✓	✓	✓	✓	⚠	⚠	✓
Tomato	✓	—	✓	⚠	✓	✓	✗	⚠
Onion	✓	✓	—	✓	✓	✗	✓	✓
Cucumber	✓	⚠	✓	—	✓	✓	✗	✓
Lettuce	✓	✓	✓	✓	—	✓	⚠	✓
Beans	⚠	✓	✗	✓	✓	—	✓	✓
Potato	⚠	✗	✓	✗	⚠	✓	—	✓
Corn	✓	⚠	✓	✓	✓	✓	✓	—

= GOOD COMPANION

= BAD COMPANION

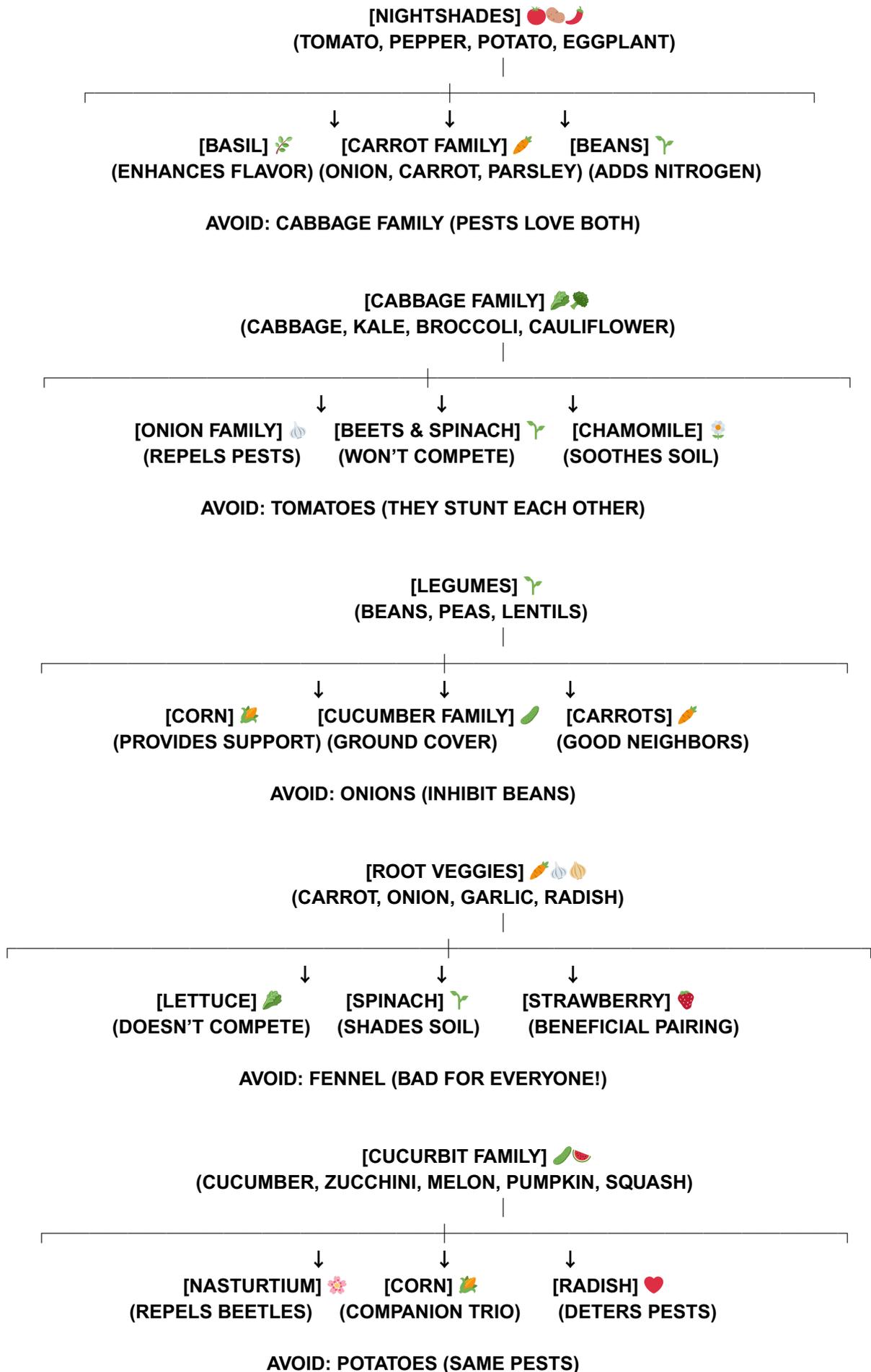
= USE WITH CAUTION

— = SAME PLANT

# RAISED BED LAYOUT PLAN (4X4 GRID FOR COMPANION PLANTING)

A / 1-4 →	A1	A2	A3	A4
B1 ↓	Tomato + Basil 	Carrot + Onion 	Lettuce + Chives 	Spinach + Radish 
B2 ↓	Peppers + Basil 	Beets + Garlic  	Cucumber + Dill 	Lettuce + Marigold 
B3 ↓	Beans + Corn  	Zucchini + Nasturtium  	Broccoli + Onion 	Parsley + Tomato 
B4 ↓	Celery + Leeks 	Kale + Thyme  	Swiss Chard + Garlic  	Strawberries + Borage 

# COMPANION FAMILIES TREE (FLOWCHART)



# PEST-REPELLENT PLANTS CHART

<u>Plant</u>	<u>Pests Deterred</u>	<u>Additional Notes</u>
Marigold	Aphids, Mosquitoes, Nematodes	Releases compounds from roots that suppress soil nematodes. Plant near tomatoes.
Garlic	Beetles, Aphids, Spider mites	Strong odor masks host plants. Plant near roses, cabbage, or carrots.
Basil	Flies, Mosquitoes, Thrips	Repels through scent. Grow near tomatoes or outdoor seating areas.
Nasturtium	Whiteflies, Squash bugs, Beetles	Acts as a trap crop for aphids (lures pests away from other plants).
Chrysanthemum	Roaches, Ants, Ticks, Fleas	Contains pyrethrin (a natural insecticide). Use near entryways.
Mint	Ants, Mice, Cabbage moths	Plant in pots (invasive roots). Place near doors or cabbage-family crops.
Lavender	Moths, Fleas, Flies, Mosquitoes	Strong fragrance repels pests. Ideal near patios or lettuce beds.
Rosemary	Carrot flies, Cabbage moths, Bean beetles	Woody scent confuses pests. Companion plant for carrots, beans, and cabbage.
Chives	Japanese beetles, Aphids	Sulfur compounds deter pests. Plant near roses, apples, or celery.
Catnip	Mosquitoes, Cockroaches, Fleas	10x more effective than DEET for mosquitoes. Keep near seating areas.
Lemongrass	Mosquitoes, Ticks	Contains citronella oil. Grow in warm climates or pots.
Petunias	Aphids, Tomato hornworms, Leafhoppers	Colorful "trap crops" that attract pests away from tomatoes/peppers.
Onions	Carrot flies, Aphids	Strong scent masks neighboring plants. Pair with carrots or brassicas.
Dill	Aphids, Spider mites, Squash bugs	Attracts beneficial insects (e.g., ladybugs). Plant near cucumbers or lettuce.
Sunflowers	Aphids, Stink bugs	Trap crop: Lures pests away from other plants. Remove infested leaves.

# REGIONAL COMPANION PLANTING GUIDE

<u>Climate Zone/Region</u>	<u>Example Companion Pairings</u>	<u>Key Benefits</u>
Cool & Temperate (Zones 3-6) (Northeast U.S., Canada, Northern Europe)	Cabbage + Dill + Rosemary Carrots + Onions + Lettuce Potatoes + Marigolds + Beans	Deters cabbage moths, improves soil nitrogen, and marigolds repel nematodes.
Mediterranean (Zones 7-10) (California, Southern Europe, Australia)	Tomatoes + Basil + Marigolds Olives + Lavender + Sage Figs + Borage + Garlic	Basil repels flies, lavender deters rodents, and garlic protects against fungi.
Arid/Southwest (Zones 8-11) (Southwest U.S., Mexico, Middle East)	Peppers + Oregano + Cilantro Agave + Prickly Pear + Native Wildflowers Corn + Squash + Beans	Drought-tolerant trio; oregano repels aphids. Three Sisters method conserves water.
Humid Subtropical (Zones 7b-10a) (Southeast U.S., South China, Brazil)	Okra + Sweet Potatoes + Marigolds Collards + Nasturtiums + Mint Citrus Trees + Lemongrass + Chives	Mint deters ants; nasturtiums trap aphids; lemongrass repels mosquitoes.
Pacific Northwest (Zones 7-9) (Pacific NW U.S., Coastal Canada)	Kale + Chamomile + Calendula Blueberries + Ferns + Lupines Peas + Spinach + Chives	Chamomile boosts kale growth; lupines fix soil nitrogen; chives deter slugs.
Tropical (Zones 10-13) (Hawaii, India, Amazon Basin)	Bananas + Ginger + Turmeric Papaya + Basil + Sunflowers Taro + Sweet Potato + Lemongrass	Tall bananas shade ginger; basil repels fruit flies; lemongrass deters mosquitoes.

# KITCHEN GARDEN COMPANION CHART

<u>Plant</u>	<u>Companion Plants</u>	<u>Flavor Pairings</u>	<u>Harvest Synergy</u>	<u>Notes</u>
Tomatoes	Basil, Marigolds, Onions	Basil (sauces), Onions (roasts)	Harvest tomatoes and basil together in summer.	Basil repels flies; marigolds deter nematodes.
Basil	Tomatoes, Peppers, Oregano	Tomatoes, Mozzarella, Strawberries	Trim leaves all summer; pair with peppers at peak ripeness.	Enhances tomato growth; thrives in warm soil.
Carrots	Onions, Chives, Rosemary	Onions (soups), Rosemary (roasts)	Harvest onions first, leaving carrots to mature.	Onions deter carrot flies; rosemary repels pests.
Strawberries	Spinach, Borage, Thyme	Borage (salads), Thyme (desserts)	Pick spinach early, strawberries mid-summer.	Borage boosts growth; thyme deters slugs.
Peppers	Basil, Marigolds, Carrots	Basil (stir-fries), Carrots (slaws)	Harvest peppers and basil in late summer.	Basil improves flavor; marigolds repel beetles.
Lettuce	Radishes, Chives, Dill	Radishes (salads), Dill (dressings)	Harvest radishes in 3-4 weeks; lettuce later.	Radishes mark rows; dill attracts beneficial insects.
Cucumbers	Dill, Nasturtiums, Peas	Dill (pickles), Nasturtiums (garnish)	Harvest cucumbers and dill together for pickling.	Nasturtiums trap aphids; peas add nitrogen.
Zucchini	Nasturtiums, Beans, Mint	Mint (salads), Nasturtiums (stuffed flowers)	Harvest zucchini and mint leaves all summer.	Mint deters pests (plant in pots); nasturtiums repel squash bugs.
Green Beans	Corn, Radishes, Strawberries	Garlic (stir-fries), Thyme (sautéed)	Radishes mature first; beans follow.	Avoid onions/garlic; corn provides support.
Spinach	Strawberries, Peas, Radishes	Strawberries (salads), Peas (creamed)	Harvest spinach early; strawberries later.	Spinach thrives in partial shade from taller plants.
Rosemary	Sage, Cabbage, Beans	Roasted veggies, Breads	Trim sprigs year-round; pair with fall-harvested cabbage.	Deters cabbage moths; drought-tolerant.
Mint	Cabbage, Tomatoes	Fruit salads, Teas	Harvest leaves as needed; grows aggressively.	Plant in pots to control spread; repels aphids.
Radishes	Lettuce, Carrots, Cucumbers	Butter (snacks), Salads	Quick harvest (3-4 weeks); frees space for slower crops.	Marks rows for slow-germinating plants like carrots.
Blueberries	Thyme, Strawberries	Yogurt, Desserts	Harvest blueberries in summer; thyme year-round.	Both thrive in acidic soil; thyme deters pests.
Parsley	Tomatoes, Asparagus	Garnish, Sauces	Harvest parsley leaves continuously.	Attracts beneficial insects; pairs well with tomato dishes.