

## Companion planting

### Vegetables

Common name	Scientific name	Helps	Helped by	Attracts	Repels / Distracts	Avoid	Comments
<b>Aubergine</b>	<i>Solanum melongena</i>	Beans, Peppers	Marigolds, tarragon, mints			beans	Marigolds will deter nematodes.
<b>Brassicas</b>	<i>brassica</i>		geraniums, dill, alliums rosemary, borage			mustards, nightshades	
<b>Beans</b>		Corn, Spinach, lettuce, rosemary, summer savoury, carrots	Eggplant		California beetles	Tomatoes, chilli peppers, sunflowers,, kales	Hosts nitrogen-fixing bacteria, a good fertiliser for <i>some</i> plants, too much for others
<b>Cabbage</b>			geraniums, dill, alliums, rosemary			mustards, alliums, Tomatoes, peppers	Rosemary repels cabbage flies, geraniums trap cabbage worms, same general companion profile as all brassica
<b>Broccoli</b>			geraniums, dill, alliums, rosemary, nasturtium, borage			mustards, Tomatoes, peppers	same general companion profile as all brassica
<b>Carrots</b>	<i>Daucus carota</i>	Tomatoes, Alliums lettuce	alliums (leeks, shallots, etc),	Lacewing, parasitic wasp,		Dill, parsnip, radish	Tomatoes grow better with carrots, but may stunt carrots' growth.

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			rosemary, wormwood, sage, beans	yellow jacket and other predatory wasps			Aromatic companion plants repel carrot root flies.  Sage, rosemary, and radishes are recommended by <i>some</i> as companion plants, but listed by others as incompatible. For beneficial insect-attracting properties of carrots to work, they need to be allowed to flower; Otherwise, use the wild carrot, Queen Anne's Lace, for the same effect
<b>Corn/Maize</b>	<i>Zea mays</i>	beans	Sunflowers, beans, cucurbits amaranth			Tomato	provides beans with a trellis, is protected from predators and dryness by cucurbits, in the 3 sisters technique
<b>Leek</b>		Celery, apple trees	carrots		cabbage worms, aphids, carrot flies,	beans	Same companion traits as all alliums
<b>Lettuce</b>	<i>Lactuca sativa</i>		Radish, Kohlrabi, beans, carrots			celery, cabbage, cress, parsley	Mints (including hyssop, sage, and various "balms") repel slugs, a bane of lettuce and cabbages
<b>Mustard</b>	Brassicaceae brassica and Sinapis	Cabbage, cauliflower, radish, brussels sprouts, turnips			various pests		same general companion profile as all brassica
<b>Nightshades</b>	<i>solanaceae</i>		carrots, alliums, basil, oregano, mints Horseradish			beans, black walnuts, corn, fennel, dill, brassica Sunflower	horseradish increases the disease resistance of potatoes
<b>Peppers</b>	Solanaceae	themselves, marjoram	tomatoes, geraniums,			beans, kale (cabbage, brussels sprouts, etc)	Pepper plants like high humidity, which can be helped along by planting

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	capsicum		petunias				with some kind of dense-leaf or ground-cover companion, like majoram and basil; they also need direct sunlight, but their fruit can be harmed by it...pepper plants grown together, or with tomatoes, can shelter the fruit from sunlight, and raises the humidity level.
<b>Onion</b>		Tomatoes, Kales	Carrots		aphids, carrot flies, other pests	Beans, Peas, Parsley, Leeks	Same companion traits as all alliums
<b>Tomatoes</b>	<i>Solanum lycopersicum</i>	Roses, Peppers, asparagus	Basil, Oregano, Parsley, Carrots, Marigold, Alliums, Celery, Geraniums, Petunias		asparagus beetle	Black walnut, corn, fennel, peas, dill, potatoes, beetroot, kales, rosemary, nasturtium	

## Herbs

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<b>Basil</b>	<i>Ocimum basilicum</i>	tomato, peppers, oregano, asparagus, petunias	chamomile, anise	butterflies	asparagus beetle, mosquitoes and flies	common rue, sage	is said to make tomatoes taste better, chamomile and anise are supposed to increase the essential oils in many herbs like basil
<b>Borage</b>	<i>Borago officinalis</i>	Almost everything, especially strawberry, cucubits tomatoes		Predatory insects, honeybees	many pests		Borage is the magic bullet of companion plants
<b>Chervil</b>	<i>Anthriscus</i>	Radish, lettuce,			aphids		loves shade, fortunately it grows well with

	<i>cerefolium</i>	broccoli					shade-tolerant food plants; will make radishes grown near it taste spicier
<b>Coriander</b>		spinach	beans, peas		aphids		
<b>Chives</b>		carrots, tomatoes, brassica	carrots		cabbage worms, carrot root flies, aphids	beans, peas	Same companion traits as all alliums
<b>Dill</b>	<i>Anethum graveolens</i>	Brassicas, Corn, Lettuce, Onions, Cucumbers		Hoverflies, Wasps, honeybees	Aphids, spider mites,	carrots, tomatoes	
<b>Fennel</b>	<i>Foeniculum vulgare</i>	Dill	Dill	ladybirds,	aphids	Almost everything	Fennel is allelopathic to most garden plants, inhibiting growth, causing to bolt, or actually killing many plants
<b>Garlic</b>	<i>Allium sativum</i>	Apple trees, Pear trees, Roses, Cucumbers, Peas, Lettuce, Celery			Aphids, ants, rabbits, cabbage maggot		Deters rabbits, same companion traits as all alliums
<b>Hemp</b>		Brassica					Repels many types of beetles, which attack cabbages.
<b>Hyssop</b>	<i>Hyssopus</i>	Cabbage, grapes		honeybees, butterflies	cabbage whites		Stimulates growth of grapes.
<b>Lovage</b>	<i>Levisticum</i>	Almost all plants	beans	ground beetles (good)		rhubarb	Is thought to improve the health of almost all plants, like borage and geraniums, is considered a "magic bullet" of companion planting
<b>Oregano</b>		Tomatoes, peppers,	basil		aphids		provides ground cover and much-needed humidity for pepper plants if allowed to spread among them
<b>Peppermint</b>	<i>Mentha piperita</i>	Brassica			cabbage fly, ants,		Repels cabbage flies, has same general companion properties as other mints
<b>Rosemary</b>	<i>Rosmarinus officinalis</i>	Sage, cabbage, beans, carrots			bean beetle		Deters cabbage flies, repels many bean parasites
<b>Sage</b>		Rosemary cabbage, beans, carrots		honeybees, cabbage whites	cabbage flies, carrot root flies,		Deters cabbage flies, repels many bean parasites

					flea beetle,		
<b>Spearmint</b>	<i>Mentha spicata</i>				ants, aphids		Controls ants and aphids, has same general companion properties as other mints.
<b>Summer savory</b>	<i>Satureja hortensis</i>	Green beans, onions,					also delays germination of certain foul herbs
<b>Tansy</b>	<i>Tanacetum vulgare</i>	beans, cucurbits corn, roses		honeybees	flying insects, and ants		Is reputed to generally repel insects (except for nectar-eating types). This herb should not be consumed, as it is quite toxic.

## Flowers

Common Name	Latin Name	Helps	Helped by	Attracts	Repels / Distracts	Avoid	Comments
<b>Geranium</b>	<i>Pelargonium</i>	Roses, tomatoes, peppers, grapes			leafhoppers,		A trap crop attracting pests away from roses and grape vines, distracts beet leafhoppers, carrier of the curly top virus, away from nicotinoid plants like tomatoes, peppers, eggplant, and tobacco
<b>Marigold</b>		most plants, especially tomatoes and peppers, cucurbits brassicas			nematodes, cabbage flies, aphids, asparagus beetle, cabbage maggot,		Marigolds are a wonder-drug of the companion plant world, invoking the saying "plant them everywhere in your garden". French marigolds produce a pesticidal chemical from their roots, so strong it lasts years after they are gone. Mexican marigolds do the same, but are so strong they will inhibit the growth of some more tender herbs. Certain Varieties of marigolds (tagetes) can help manage eelworms.
<b>Petunia</b>	<i>petunia</i>	cucurbits asparagus			leafhoppers, aphids, asparagus beetle		Is a trap crop almost identical to geraniums in function
<b>Nasturtium</b>	<i>tropaeolum</i>	Many plants, especially cucurbits		predatory insects	Aphids, white fly,	tomato, radish, cauliflower,	Both works as a trap crop for aphids, and studies say is among the best at attracting

		beans, tomatoes, apple trees, brassicas					predatory insects
<b>Sunflower</b>	<i>helianthus</i>	corn, tomatoes			aphids		Was grown as a companion for sunflowers before modern Europeans arrived in the Americas, supposedly increases their production, ants herd aphids onto sunflowers, keeping them off neighbouring plants
<b>Yarrow</b>	<i>Achillea millefolium</i>	many plants		predatory wasps, ladybugs, hoverflies, damselflies			May increase the essential oil production of some herbs. Also improves soil quality, use the leaves to enrich compost, or as mulch.