



## CROSS-POLLINATION

Seeds form when the female parts of a flower receive suitable pollen from the male parts of a flower. Both male and female parts carry genetic information which goes into the seed. This pollen may be from the same flower, or a different flower on the same plant, or a flower on another plant.

**Self-pollination** - is when one plant provides both parents.

**Cross-pollination** - is when pollen is brought by insects or the wind from a flower on a different plant. Usually only plants of the same species will cross-pollinate. If this is from a flower of the same variety, the seed will be true to type. If it is from a different variety (out-crossing), plants grown from the resulting seed will have traits from both parents.

- **Aubergine** *Solanum melongena*
- **Beetroot** *Beta vulgaris* (NB sugar beet also *Beta vulgaris*)
- **Broad bean** *Vicia faba*
- **Broccoli** (purple sprouting, calabrese) *Brassica oleracea Italica group*
- **Cabbage** *Brassica oleracea Capitata group*
- **Carrot** *Daucus carota subsp sativus* (NB wild carrot also *Daucus carota*)
- **Cauliflower** *Brassica oleracea Botrytis group*
- **Chard** *Beta vulgaris*
- **Chinese cabbage** (*Brassica rapa Pekinensis group*)
- **Courgette** *Cucurbita pepo*
- **Cucumber** *Cucumis sativa*
- **French bean** *Phaseolus vulgaris*
- **Kale** *Brassica oleracea Acephala group*
- **Leek** *Allium porrum*
- **Lettuce** *Lactuca sativa*
- **Melon** *Cucumis melo*
- **Onion** *Allium cepa*
- **Parsnip** *Pastinaca sativa*
- **Sweet peppers and some chillies** *Capsicum annum*
- **Pea** *Pisum sativum*
- **Pumpkin/winter squash** *Cucurbita pepo, Cucurbita maxima, Cucurbita mixta*
- **Radish** *Raphanus sativus*

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- **Runner bean** *Phaseolus coccineus*
- **Shallots** *Allium cepa* *Aggregatum* group
- **Spinach** *Spinacia oleracea*
- **Sweetcorn** *Zea mays*
- **Tomato** *Lycopersicon esculentum*, *Lycopersicon pimpinellifolium*
- **Turnip** *Brassica rapa* *Rapifera* group

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