

Seed Savers Reference Table

Common Name	Latin Name	Pollination	Life Cycle	*Inbreeder/ Outbreeder	Minimum isolation distance for home use	Minimum isolation distance for commercial production	Minimum population size for genetic stability	Seed Viability in good storage (years)	Comments
Arugula or Rocket	<i>Eruca sativa</i>	insects	A	VO	500 m	1.5 km	80	2	No named cultivars so crossing not a problem
Basil	<i>Ocimum basilicum</i>	insects	A	VO	500 m	1.5 km	80	5	
Bean, Common	<i>Phaseolus vulgaris</i>	self	A	PI	3 m	6 m	10 – 20	3	
Bean, Fava or Broadbean	<i>Vicia faba</i>	self, insects	A	BIO	250 m	0.5 - 1 km	40	4	Includes bell beans
Bean, Lima	<i>Phaseolus lunatus</i>	self, insects	A	PI	100 - 200 m	50 - 100 m	40	3	
Bean, Runner	<i>Phaseolus coccineus</i>	self, insects	A	BIO	250 m	0.5 - 1 km	40	3	
Bean, Cowpea	<i>Vigna unguiculata</i>	self, insects	A	BIO	50 m	100 - 200 m	40	5	Crosses w/ asparagus bean
Beetroot	<i>Beta vulgaris</i>	wind	B	VO	1 km	2 - 5 km	80	5	Crosses w/ chard, mangels & sugarbeets
Broccoli	<i>Brassica oleracea</i>	insects	A or B	VO	500 m	1.5 - 3 km	80	5	Crosses w/ all <i>B.oleracea</i> crops
Brussels Sprouts	<i>Brassica oleracea</i>	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ all <i>B.oleracea</i> crops
Cabbage	<i>Brassica oleracea</i>	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ all <i>B.oleracea</i> crops
Capsicum	<i>Capsicum annuum</i>	self, insects	A	PI	50 m	100 - 200 m	10 – 20	5	Must isolate from chillies using chilli's isolation distances
Carrot	<i>Daucus carota</i>	insects	B	PO	500 m	1.5 - 3 km	200	3	Crosses w/ Queen Anne's Lace
Cauliflower	<i>Brassica oleracea</i>	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ all

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									B.oleracea crops
Celery	Apium graveolens	insects	B	VO	500 m	1.5 - 3 km	80	5	Crosses w/ celeriac
Celeriac	Apium graveolens	insects	B	VO	500 m	1.5 - 3 km	80	5	Crosses w/ celery
Chicory, Witloof	Cichorium intybus	insects	B	VO	500 m	1.5 - 3 km	80	8	Crosses w/ wild chicory & radicchio
Chilli	Capsicum spp.	self, insects	A	BIO	250 m	0.5 - 1 km	40	5	Must isolate equally from other chillies and sweet capsicum
Collards	Brassica oleracea	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ all B.oleracea crops
Coriander or Cilantro	Coriandrum sativum	insects	A	PO	500 m	1.5 - 3 km	80	3	
Corn	Zea mays	wind	A	PO	500 m	1.5 - 3 km	200	2 – 10	
Cucumber	Cucumis sativus	insects	A	PO	500 m	1.5 - 3 km	10 – 20	4 – 10	Armenian cucumber is C. melo
Dill	Anethum graveolens	insects	A	PO	500 m	1.5 - 3 km	80	3	
Eggplant	Solanum melongena	insects	A	PO	500 m	1.5 - 3 km	80	5	
Endive	Cichorium endivia	self	B	VI	3 m	6 m	10 – 20	5	
Kale, European	Brassica oleracea	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/all B.oleracea crops
Kale, Siberian	Brassica napus	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ rutabaga and canola
Leek	Allium ampeloprasum	insects	B	PO	500 m	1.5 - 3 km	80	3	

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Lettuce	Lactuca sativa	self	A	VI	3 m	6 m	10 – 20	5	
Melon	Cucumis melo	insects	A	PO	500 m	1.5 - 3 km	10 – 20	5	Crosses w/ Armenian cucumber
Mustard greens	Brassica juncea	insects	A or B	VO	500 m	1.5 - 3 km	80	3 – 7	
Okra	Abelmoschus esculentum	self, insects	A	BIO	250 m	0.5 - 1 km	40	5	
Onion	Allium cepa	insects	B	PO	500 m	1.5 - 3 km	200	2	
Parsley	Petroselinium crispum	insects	B	PO	500 m	1.5 - 3 km	80	3	
Parsnip	Pastinaca sativa	insects	B	PO	500 m	1.5 - 3 km	80	1	
Pea	Pisum sativum	self	A	VI	3 m	6 m	10 – 20	3	
Pumpkin	Cucurbita pepo	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	eg. Table Queen
Pumpkin	Cucurbita maxima	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	eg. QLD Blue
Pumpkin	Cucurbita moschata	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	eg. Butternut
Pumpkin	Cucurbita argyrosperma	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	Formerly Cucurbita mixta
Radicchio	Cichorium intybus	insects	B	VO	500 m	1.5 - 3 km	80	8	Crosses w/ chicory
Radish	Raphanus sativus	insects	A	VO	500 m	1.5 - 3 km	80	4	May cross w/ wild radish
Rutabaga	Brassica napus	insects	B	VO	500 m	1.5 - 3 km	80	4	Crosses w/ Siberian kale and canola
Silverbeet	Beta vulgaris	wind	B	VO	500 m	2 - 5 km	80	5	Crosses w/ beets, mangels & sugarbeets

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Spinach, English	Spinacea oleracea	wind	A	VO	1 km	2 - 5 km	80	5	
Squash, Summer	Cucurbita pepo	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	Check species. A few are C. moschata.
Squash, Winter	Cucurbita spp.	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	Learn the species of each variety
Tomato, modern	Solanum lycopersicum	self	A	VI	3 m	6 m	10 – 20	4	If multiple tomato types are present use the greatest isolation distance
Tomato, some Heirlooms	Solanum lycopersicum	self, insects	A	PI	12 m	50 - 100 m	10 – 20	4	If multiple tomato types are present use the greatest isolation distance
Tomato, Currant	Solanum pimpinelifolium	self, insects	A	BIO	50 m	100 - 200 m	40	4	If multiple tomato types are present use the greatest isolation distance
Turnip	Brassica rapa	insects	B	VO	500 m	1.5 - 3 km	80	5	Crosses w/ many Asian greens
Watermelon	Citrullus lanatus	insects	A	PO	500 m	1.5 - 3 km	10 – 20	5	
Zucchini	Cucurbita pepo	insects	A	PO	500 m	1.5 - 3 km	10 – 20	3 – 10	Check species. A few are C. moschata.

* very inbreeding (VI), primarily inbreeding (PI), very outbreeding (VO)
both inbreeding and outbreeding (BIO), primarily outbreeding (PO)