

Plant Isolation Distances Table

Plant	Isolation Distance- (Ashworth)	Isolation Distance- (USDA)	Pollinator
Amaranth	1/4 to 2 miles ¹	—	wind, insects
Arugula	1/2 mile	660 feet ⁷	insects
Basil	150 feet	—	insects
Bean, Common	0 to 1 mile ⁴	0 ^{5,4}	self ²
Bean, Fava	0 to 1 mile ⁴	0 ^{5,4}	self ²
Bean, Lima	0 to 1 mile ⁴	0 ^{5,7,4}	self ²
Bean, Tepary	0 to 1 mile ⁴	0 ^{5,7,4}	self ²
Beet	5 miles	—	wind
Broccoli	1 mile	660 feet ⁷	insects
Broomcorn	—	660 feet ⁷	self ²
Brussels Sprouts	1 mile	660 feet ⁷	insects
Cabbage	1 mile	660 feet ⁷	insects
Cantaloupe	1/2 mile	1/4 mile ⁷	insects
Carrot	1/2 mile	—	insects
Cauliflower	1 mile	660 feet ⁷	insects
Celery	1 mile	—	insects
Chinese Cabbage	1 mile	660 feet ⁷	insects
Chinese Mustard	1 mile	660 feet ⁷	insects
Chives	1 mile	1/4 mile ⁷	insects
Collards	1 mile	660 feet ⁷	insects
Cilantro	1/2 mile	—	insects
Corn	2 miles	660 feet	wind
Cotton	—	1/4 mile ⁶	self, insects
Cowpea	0 to 1 mile ²	0	self ²
Cucumber	1/2 mile	1/4 mile ⁷	insects
Dill	1 mile	—	insects
Eggplant	50 feet	—	self ²
Fennel	1/2 mile	—	insects
Garlic	1 mile	1/4 mile ⁷	insects
Garlic Chives	1 mile	1/4 mile ⁷	insects
Gourds	1/2 mile	1/4 mile ⁷	insects
Kale	1/2 mile	660 feet ⁷	insects
Lamb's Quarters	5 miles	—	wind
Lettuce	25 feet	—	self ²
Melon, Honeydew	1/2 mile	1/4 mile ⁷	insects
Melon, Musk	1/2 mile	1/4 mile ⁷	insects
Mustard	1/2 mile	660 feet	insects
Okra	1 mile	825 feet	self, insects
Onion	1 mile	1/4 mile	insects
Parsley	1 mile	—	insects
Pea	50 feet	0 ²	self ²
Pepper	500 feet	30 feet	self, insects
Potato	30 feet ³	30 feet ³	self, insects ³
Pumpkin	1/2 mile	1/4 mile ⁷	insects
Radish	1/2 mile	660 feet ⁷	insects
Sorghum	—	660 feet	self ²
Spinach	5 miles	—	wind

Squash	1/2 mile	1/4 mile ⁷	insects
Sunflower	1/2 to 3 miles	1/2 mile	insects
Swiss Chard	5 miles	—	wind
Tomatillo	0 ⁴	30 feet ⁷	self ²
Tomato	0 ⁴	30 feet	self ²
Turnip	1 mile	660 feet ⁷	insects
Watermelon	1/2 mile	1/4 mile	insects

Footnotes:

1. Green amaranths may need only 1/4 mile, grain amaranths up to 2 miles.
2. See paragraph on Self Pollination in Distance Isolation in the article on Saving Seeds True-to-Type.
3. Potatoes are not commonly reproduced from seed.
4. See note on tomatoes and beans in the article on Saving Seeds True-to-Type.
5. "Distance adequate to prevent mechanical mixture is necessary".
6. Isolation distances for cotton vary from 100' between similar varieties, to 1/4 mile between 'upland' and 'Egyptian' types ('foundation' or 'preservation' grade).
7. Extrapolated from similar species.