

SEED GROW-OUTS MINIMUM POPULATIONS & ISOLATION DISTANCES

We encourage growers to follow these guidelines if possible, as the goal of these grow-outs is to ultimately improve the quality of ecological seed that is being produced nationally.

The following crops currently have documentation forms available. If growers would like to grow crops that are not on this list, please contact your regional coordinator.

VEGETABLE SEED

COMMON NAME	SPECIES	RECOMMENDED ISOLATION DISTANCE	RECOMMENDED POPULATION SIZE FOR GENETIC MAINTENANCE	STORAGE QUANTITY (Required # Of Seeds To Return)
Bean, Adzuki	Vigna Angularis	250m	40	400
Bean, Asparagus	Vigna Unguiculata	250m	40	400
Bean, Bush	Phaseolus Vulgaris	6m	40	400
Bean, Fava	Vicia Faba	1000m	40	400
Bean, Hyacinth	Lablab Purpureus	1000m	40	400
Bean, Lima	Phaseolus Lunatus	90m	40	400
Bean, Mung	Vigna Radiata	6m	40	400
Bean, Pole	Phaseolus Vulgaris	6m	40	400
Bean, Runner	Phaseolus Coccineus	1000m	40	400
Bean, Soy	Glycine Max	6m	40	400
Bean, Tepary	Phaseolus Acutifolius	1000m	40	400
*Beet, Sugar Beet	Beta Vulgaris	2000-8000m	40	400
Broccoli	Brassica Oleracea Italica	1500m	80	800
*Cabbage	Brassica Oleracea Capitata	1500m	80	800
*Carrot	Daucus Carota Sativus	1500m	200	1000
*Celery	Apium Graveolens Dulce	1500m	80	800
Corn	Zea Mays	2000m-3500m	200	1000
Cucumber	Cucumis Sativus	1500m	20	200
Eggplant	Solanum Melongena	1500m	80	800
*Kale	Brassica Oleracea Viridis	1500m	80	800
*Leek	Allium Porrum	1500m	80	800
Lentil	Lens Culinaris	20m	80	800
Lettuce	Lactuca Sativa	8m	20	200
Melon, Muskmelon	Cucumis Melo Cantalupensis	1000m	20	200
*Onion	Allium Cepa Cepa	1500m	200	2000

Pea	Pisum Sativa	12m	40	400
Pepper, Sweet	Capsicum Annuum	200m	20	200
Pepper, Hot	Capsicum Annuum	1500m	40	400
*Radish	Raphanus Sativus Sativus	1500m	80	800
Spinach	Spinacia Oleracea	2000+m	80	800
Squash	Cucurbita Pepo/Maxima/ Moschata	1500m	20	200
*Swiss Chard	Beta Vulgaris	2000-8000m	80	800
Tomato, Short Style (Typical)	Lycopersicon Esculentum	15m	20	200
Tomato (Ancient Varieties)	Lycopersicon Esculentum	50m	40	400
*Turnip	Brassica Rapa Rapa	1500m	80	800
Watermelon, Citron Melon	Citrullus Lanatus	1500m	20	200

*Biennial crops

FIELD CROP SEED

COMMON NAME	SPECIES	VARIETY REGISTRATION	RECOMMENDED POPULATION SIZE FOR GENETIC MAINTENANCE	STORAGE QUANTITY (Required # Of Seeds For Seed Library)
Einkorn	<i>Triticum monococcum</i>	No	80	800
Emmer	<i>Triticum dicoccum</i>	No	80	800
Khorasan wheat	<i>Triticum turgidum</i> ssp. <i>Turanicum</i>	No	80	800
Maize (Corn)	<i>Zea mays</i> ssp. <i>mays</i>	No	200	2000
Quinoa	<i>Chenopodium Quinoa</i>	No	40-80	400-800
Barley	<i>Hordeum vulgare</i> ssp. <i>Vulgare</i>	Yes	80	800
Buckwheat	<i>Fagopyrum esculentum</i>	Yes	80	800
Durum Wheat	<i>Triticum turgidum</i> ssp. <i>Durum</i>	Yes	80	800
Lentil	<i>Lens Culinaris</i>	Yes	80	800
Oat	<i>Avena sativa</i>	Yes	80	800
Ryegrass	<i>Lolium Multiflorum</i>	Yes	80	800
Soy	<i>Glycine max</i>	Yes	40	400
Spelt	<i>Triticum aestivum</i> ssp. <i>Spelta</i>	Yes	80	800
Sunflower	<i>Helianthus annuus</i>	Yes	80	800
Triticale	<i>Triticosecale Wittm</i>	Yes	80	800
Wheat	<i>Triticum aestivum</i> ssp. <i>Aestivum</i>	Yes	80	800