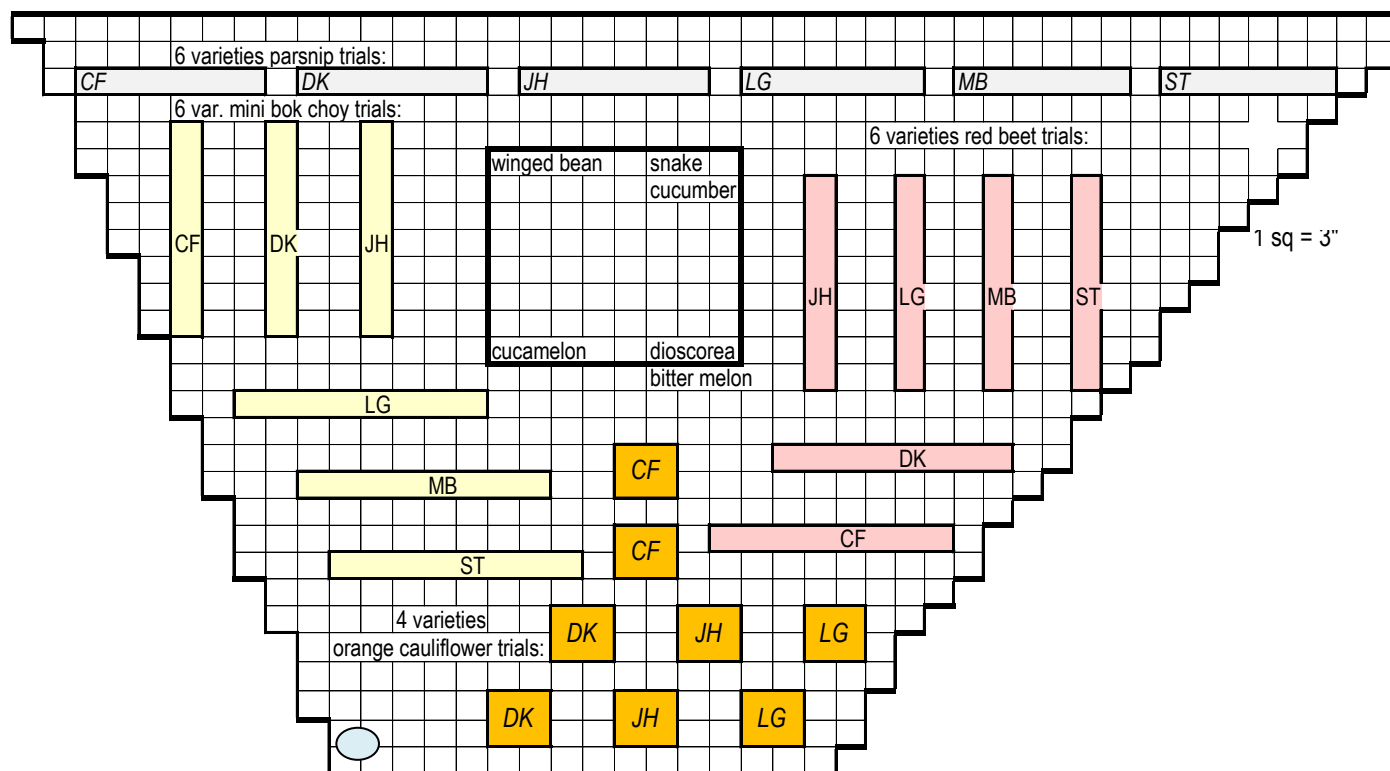


## Annual Garden B

### seed trials - vegetables



The University of Minnesota Extension Master Gardener program has conducted seed trials since the 1980s. The purpose of these trials is to compare several varieties of a single species of vegetable, flower, or herb to see which performs better in Minnesota gardens. Careful data is collected during the season, and the results of these blind tests are tabulated from observers throughout the state in October. Results are published on the Extension website early the next year. To view all past trial results visit:

<https://sites.google.com/umn.edu/mnmastergardenerseedtrial/seed-trial-results>

This garden highlights four of the trials, including 6 varieties each of parsnips, red beets and mini bok choy, all directly sown in the garden. It also trials 4 varieties of orange cauliflower which were started indoors and transplanted. In addition, the central trellis includes 5 unusual vines. The winged bean (*Physocarpus tetragonolobus*) produces simply gorgeous sky-blue flowers followed by edible bean-like fruit. The Indian Snake cucumber yields fruit up to three feet long. Dioscorea is known as cinnamon vine and is a true yam. Considered invasive further south, it struggles to overwinter here and is late to emerge in the garden, though it is a perennial. It shares a support with Okinawan Pure White bitter melon. A staple in asian cooking, the bitter melons require skill in cooking, but the white fruit and blood red seeds that drip from the ripe fruit at seasons end are worth growing as an ornamental. Finally, we have a cucamelon vine (*Melothris scabra*). Also known as Mexican sour gherkin, the fruit look like tiny watermelon, but has a lovely fresh cucumber taste eaten raw. The fruits may also be pickled just like other cucumbers.

Look for the other four trials in Annual Garden A, and watch with us during the year as the seeds grow, bloom, and produce.

native countries

	<b>Vegetable</b>	<b>Herb</b>
Asia	basella (India) bean soy (East Asia) bean yardlong V (S. Asia) cabbage chinese (China) carrot (Afganistan) cucumbers (India) eggplant (China) mizuna (China) mustard greens (India) onion (SW Asia) pac choi (bok choy) (China) pea (snow) (SW Asia) pea (Turkey, Iraq) radish (China) shallots - Middle East (Palestine) spinach (Iran) turnip (E. Asia)	basil (India, SE Asia) chives (Asia & Europe) cumin - India and mediterranean garlic (Iran) horseradish (Russia, Ukraine) lavender (India, middle east, mediterranean) lemongrass (SE Asia) marjoram (Turkey) saffron (Iran) also Greece sorrel (Asia & Europe) tarragon (Siberia)
Africa	cantaloupe (also S. Asia, India) dioscorea batatas (West Africa) lettuce (Egypt) okra (Ethiopia) sorghum watermelon	dill (Egypt)
Europe	artichoke - mediterannean asparagus pea - mediterannean beet/swiss chard (Italy/Sicily) broccoli - mediterannean brussels sprouts- mediterannean cabbage cauliflower - mediterannean celery - mediterannean fennel - mediterannean kale - mediterannean kohlrabi (northern Europe) leek - mediterranean lettuce - temperate Asia also mustard - temperate regions parsnip (Eurasia) rutabaga (Russia or Scandinavia)	bay leaves - mediterranean borage - easter mediterranean caraway - mediterranean chives - Europe & Asia cilantro - mediterranean cumin - mediterranean & India fennel - mediterannean oregano - mediterranean parsley - eastern mediterranean rosemary - mediterranean, Portugal, Spain saffron - Greece & Iran sage - mediterranean sorrel - Europe & Asia thyme - mediterranean

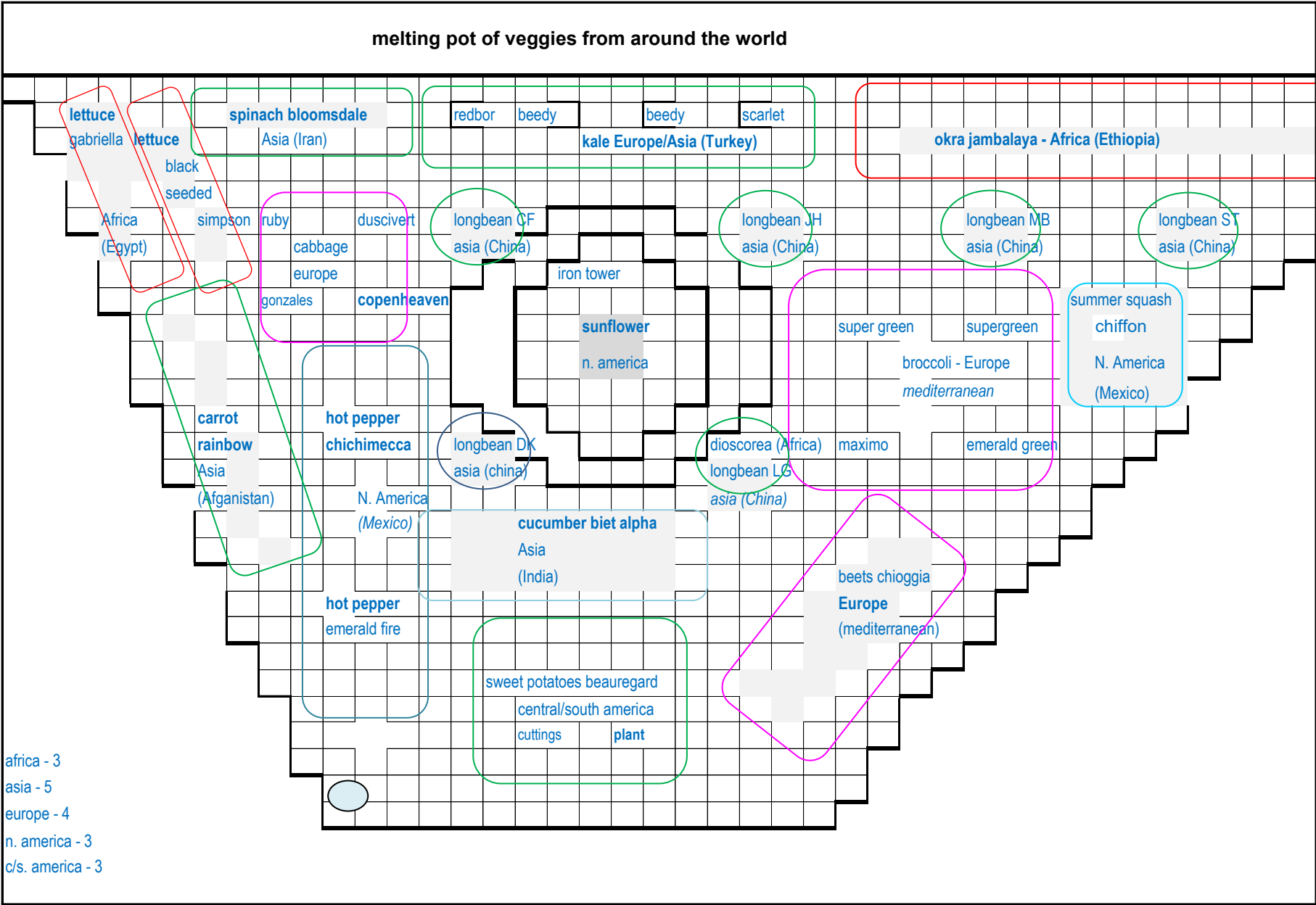
native countries

C. America	green bean (also SA) peppers, sweet (also SA) pumpkin (also Mexico) runner bean (mountains) sweet potatoes (also SA) tomatillo (also Mexico)	paprika (also Mexico & S America)
N. America	chili peppers (Mexico)  corn (Mexico) squash (Mexico & C. America) sunflower  zucchini (Mexico)	paprika (Mexico, C and S America)  wintergreen
S. America	peanut (Brazil, Peru) potato (Peru-Bolivian Andes) tomato (Andes)	lemon verbena (Argentina, Chile) paprika (also Mexico & C America) stevia - Paraguay  vanilla (humid rainforest of Columbia, Brazil)
Oceania		
Global		mint - temperate areas of the world

[illegible]

native countries

bean, runner (Guatemala)	
dahlia (also Mexico)	
gomphrena (Guatemala to Panama)	
ipomoea (tropical America)	
marigold (Guatemala, also Mexico)	
melampodium (also SW USA, Mexico)	
tithonia (also Mexico)	
zinnia (also SW USA, Mexico)	
cosmos (Mexico)	
marigold (Mexico, also Guatemala)	
melampodium (SW USA, Mexico, and C. America)	
monarda citriodora (southern states)	
rudbeckia (USA, Mexico)	
salvia (Southern states, Mexico)	
sunflower (Canada, USA, Mexico)	
talium (western USA, Mexico, and S. America)	
tithonia (Mexico and C. America)	
zinnia (SW USA, Mexico, and C. America)	
ipomoea (tropical America)	
nicotiana (Argentina, Bolivia, Brazil)	
petunia	
portulaca (Brazil, Argentina, Uruguay)	
spilanthes (Brazil)	
talium (also USA west and Mexico)	
coleus (Australia and SE Asia)	
pelargonium (Australia and South Africa)	
xerochrysum (Australia)	



black and white to print



colored square = seed location

|

black and white to print

[illegible]



1 sq = 3"	