The primary document in this blog post is a table with evaluations of vegetables grown the last two summers in a 1/4 acre vegetable garden that borders the Wickiup Hill Outdoor Learning Center near Toddville. In the summer of 2014, I started gardening at this site located on a small farmstead that is now mostly timber and pasture. The garden has no source of electricity and no running water, but there is a small spring-fed creek nearby that serves as my primary source of water (other than rainfall). The garden encompasses about 11,000 square feet and is divided into two sections: one 5,000 square foot area surrounded by a 5' tall deer fence and a second area (what I have named the West Field) that is slightly larger and has no fencing. The West Field is gardened jointly by myself and another gardener who has the garden area between my primary garden and the West Field. In the West Field we plant potatoes, winter squash, pumpkins, watermelons, and cantaloupe–plants that will not usually be bothered by deer, which are prolific in the area.

In the table you will find a column that identifies when the seeds were sown in 2021 (either in a greenhouse or direct sowing) and for the primary garden it will often identify the raised bed(s)where each variety was planted. The table also includes comments on vegetables planted in previous years and a few vegetables grown in pots at home and the Alumni House Garden.

Although the primary garden has a fence around its borders, the garden has nonetheless provided nourishment for a substantial number of animal invaders in recent years. In 2019 the extensive flooding of the nearby Cedar River drove racoons out of their preferred habitat, and many of them migrated to my garden. In their frequent night-time visits they dug up dozens of plants and beds that had just been seeded. They were particularly attracted to beds where I had applied an organic fertilizer containing blood meal. During the late spring and summer the owner of the property and I trapped over 25 coons. Twice I trapped two coons in the same live trap in one night.

In the spring of 2020, the garden experienced for the first time a serious invasion of cutworms. During a one-week stretch in May, nearly all the tomatoes, eggplants, and pepper plants were cut down, just above ground level. Although I had wrapped all the tomato seedling stems with newspaper, most of those plants were neatly sliced off right above the paper. Later that summer, several rabbits found entrances under the fence. I eventually added 3' high chicken wire around the garden, but not before the rabbits had done appreciable damage to several crops, wiping out the beets and eating many bush beans. New problems developed when the August 10 windstorm destroyed large sections of the fence. Deer immediately started grazing in the garden. While they are willing to eat just about anything (the first year I gardened in this location, the deer ate to the ground all my tomato plants), they are especially attracted to the brassicas, strawberry plants, sweet potatoes, and pole beans. Although the garden's fence is only 5' tall, there is an inner ring of 4' tall trellises (8' long steel livestock panels) and supports for raspberries and blackberries. Because the deer would need to jump over both the fence and this second row of steel panels and supports, they rarely enter the garden if they cannot find a hole in the fence.

In the spring and summer of 2021, a primary challenge to several vegetables was an invasion of mice. I first noticed the problem when young pole bean plants were dying, the stems being eaten at about 1" above soil level. Suspecting that mice were responsible, I set out several mousetraps around the bed and eventually caught and killed a half dozen mice. I then discovered mice inflicting similar damage on a lovely 16' row of snow peas on the opposite side of the garden. I also found paths the mice had created for invading several beds of fingerling potatoes. Simultaneously there was a notable increase in the mouse population attacking the potatoes in the West field. All the garden paths are mulched with a layer of newspapers and hay, providing the mice with ample hiding places. Although I will continue using mouse traps to help counteract this rodent invasion, I'm still

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researching organic options, including planting flowers and herbs reputed to help repel mice.

One notable challenge with this garden is that it does not have running water-and thus all watering must be done by carrying water from the nearby creek. This means that the soil may not always have an optimal moisture content. Although I am fortunate to have a supply of free mulching material (baled hay from a nearby pasture), I frequently must rely on the vegetables and fruit to handle long dry spells without much assistance from me. In most cases, the plants in the Wickiup garden are adept at dealing with short droughts. For example, I rarely water zucchini plants, but once they are established they keep pumping out large fruit from soil that appears devoid of moisture. In most years the biggest watering challenge comes in May and June with freshly sown seeds and tender transplants. Because the garden is located 15 miles from my home–and because I have other obligations in life besides caring for this garden–I cannot be at the garden every day or at ideal watering times. The challenge of timely watering may explain why in 2021 I had such low germination rates with several vegetables. I continue to experiment with various seed-sowing strategies to increase germination rates and the survival of new seedlings.

In the table's evaluation column, I have adopted a simple Plus marking for indicating my overall assessment of each vegetable variety. A 4 Plus (+ + + +) is reserved for varieties that I have found to be highly satisfactory in all respects, and these are varieties I most likely will plant again in the 2022 garden. But the garden will also include varieties that have not yet received a high rating since it has become evident that performances can fluctuate significantly from year to year. Companies sell particular kinds of vegetable seeds because they have done well in the past. Just because they fail to perform in my garden one year may not mean they won't be successful in the future. I also love to experiment with new varieties. Just leafing through a Baker Creek or Johnny's Seeds catalog reveals hundreds of different vegetables that sound enticing and I would like to find out how well they can perform on this land in east central Iowa. Because this is such a large garden, capable of growing far more produce than my immediate family could possibly consume in one year, I have plenty of space for trying out new seeds. I expect that when I send in my seed orders for the 2022 garden, about 1/3 of my requests will be for seeds that I've never sown before. This past year I discovered several new favorites (such as Arkansas Traveler tomatoes and Little Finger carrots); I trust 2022 will prove equally rewarding.

With a few minor exceptions, all the seeds used in the garden for 2020 & 2021 were purchased online from the sources listed below (asterisks identify seed sources used for the first time in 2021).

Annie's Heirloom Seeds (Madison, Wisconsin) Baker Creek Heirloom Seeds (Mansfield, Missouri) Botanical Interests (Broomfield, Colorado) Croatian Seeds (a family seed supplier located in Croatia) Garlic Store (Fort Collins, Colorado) * High Mowing Organic Seeds (Walcott, Vermont) * Hudson Valley Seed Company (Accord, New York) John Scheepers Kitchen Garden Seeds (Bantam, Connecticut) Johnny's Selected Seeds (Winslow, Maine) Maine Potato Lady (Guilford, Maine) Pinetree Garden Seeds (New Gloucester, Maine) Seeds from Italy (Lawrence, Kansas) Evaluations of Vegetables, 2020 & 2021

Seeds 'n Such (Augusta, Georgia) *Solstice Seeds (Hartland, Vermont) Southern Exposure Seed Exchange (Mineral, Virginia) Territorial Seed Company (Cottage Grove, Oregon) Totally Tomatoes (Randolph, Wisconsin) *Truelove Seeds (Philadelphia, Pennsylvania) *Turtle Tree Seed (Copake, New York) Victory Seeds (Molalla, Oregon) Wood Prairie Family Farm (Bridgewater, Maine)

Vegetable	Source	Bed in `21 & dates seeds were sown	Commentary	Evaluatio n
Beans, Bush				
Amethyst	Franchi (Seeds Italy)	B1 - 8' (& `20)	Planted with Purple Velour; neither were very productive.	No
Celine Colored Snap	High Mowing	J6 - 8' 5/25	Beautiful looking beans, but not much flavor.	No
Dragon Langerie (Dragon Tongue)	Baker Creek (Pinetree in `20)	J5 - 8' 5/8 (&`20)	Excellent production of a large, attractive bean; they quickly become over mature; recently discovered they can be harvested as a dry bean.	+ + +
Cranberry	Annie's	M1 - 5' (2) 5/30	Grown as a dry bean; modest production of lovely beans, but I did not harvest them in time; they got wet and began to sprout.	+ + +
Gold Rush	J. Scheepers	J5 - 8' 5/8; 5/30	Steady production of large beans that remain good even when mature.	+ + +
Golden Butter Wax	Territorial	B1 - 8' (& `20)	Good germination, production & quality; beans stay nice for long period	+ + +
Jacob's Cattle	Pinetree	M1 - 7' (2) 5/30	Heirloom; did very well in `19; excellent, attractive, multi-use bean fresh & dry; decent production in `21 but I was late in harvesting them.	+ + +
Jade	Pinetree	G1 - 8' (2) 4/27 (& `20)	An excellent bean; large, tender beans; production into the fall; good flavor.	+ + + +
Jade II	Territorial	`18 & `19	Not planted in '20 or '21 but produced large crops of excellent size/flavor beans in '18 & '19; perhaps better flavor & production than Jade.	+ + + +
Mascotte	Territorial	E1 - 9' (2) 4/3; 4/27 (&`20)	Early sowing in '20 worked well, but early sowing had poor germination in '21; later sowing had good germination; small beans remain at top of rather small plants; nice bean though not as productive as Provider.	+ + +
Maxi Filet	J. Scheepers	J6 - 8' 5/25	Large plants with large, attractive beans; very productive.	+ + + +

Provider	High Mowing	E1 - 10' (2) 4/3; 4/21 (& `20)	Early sowing had slow, spotty germination in '21 but still produced first crop of excellent quality beans; kept producing through summer; my #1 bush bean.	+ + + +
Purple Velour	Territorial	8' row in `20	Disappointing; had problems with rabbits eating beans; and surviving beans did not fill out well.	+ +
Purple Queen	J. Scheepers	`18 & `19	Not planted in '20 or '21 but did very well in '18 & '19; superior to Purple Velour; tender, good flavor when picked early.	+ + + +
Red Swan	Baker Creek	G1 - 8' (2) 4/27	Early production of a large crop, but I was not impressed by flavor or texture.	No
Vermont Cranberry	Annie's in `19; Pinetree in `20	`19 & `20	Heirloom bean; did very well in `19, multi-use fresh and dry; rabbits destroyed crop in `20; did not plant in `21.	+ + + +
Yellow Indian Woman	Annie's	M1 - 6' (2) 5/30	Did not produce many beans; I intended to harvest as a dry bean but never got to them.	No
Beans, Pole				
Aunt Bea's	Southern Exposure	R2 - 8' (2) 4/27	Heavy production, beautiful beans on beautiful plants but beans developed strings at early stage.	No
Black & White Goose	Solstice	D1 - 4' (3) 6/1 & 6/15	Planted twice; no germination for 1 st sowing; just a few beans second sowing; small harvest.	No
Cannellini	Pinetree	`20	Sowed twice; low germination rate; never harvested any beans.	No
Cherokee Trail of Tears	Annie's	H1 - 8' (3) 5/30 (& `20)	Excellent beans both green and top producer of dry beans in fall; good production for 3 years.	+ + + +
Fagiolo Rampicante Trionfo Violetto	Franchi (Seeds Italy)	`20	Stringless purple pencil pod bean; so-so quality; small harvest.	No
Kentucky Blue	Pinetree	D2 - 8' (2) 4/29	Lost about ½ of beans to mice in `21, but still good production; large beans but they can quickly become over mature; very productive in `20.	+ + +
Littleton Half- Runner	Solstice	D1 - 4' (3) 6/1 & 6/15	Sowed twice; no seeds germinated.	No
Orient Wonder- Pole	J. Scheepers	`20	Long red Asian bean; very nice bean when harvested young.	+ + +
Petaluma	Natural Gardening	`20	A late sowing; good germination but plants hit hard by derecho and never produced any beans.	?
Red Noodle	Territorial	`20	Very productive in late summer & fall; need to pick quickly before they become over mature.	+ + +
Seychelles	Territorial	D2 - 8' (2) 4/29 (& `20)	Early, big yields; slender stringless beans; remain tender even when very mature; a great crop in '18 and very good in '19, '20, & '21); my #1 pole bean.	+ + + +
Yard Long-Red Noodle	Pinetree	`20	Heirloom; very productive; best of long red noodle beans planted in last 3 years.	+ + +

Beans, Lima		My annual problem with lima beans is that they slip up on me and become over mature when my attention is elsewhere. Pole limas in '21 all did very well.				
Christmas (pole)	J. Scheepers	H2 - 8' (2) 6/4	Slow, low% germination but good plants with good production of large beans	+ + +		
Fordhook (bush)	Annie's	J12 - 8' 6/6	Good germination and good-looking plants but slow production of a small number of beans.	+ +		
Henderson	Pinetree	`20	Heirloom; good production; small beans but good texture; became over-mature very quickly; however, can be harvested as a dry bean; did not plant in `21.	+ + +		
Jackson Wonder (bush)	Southern Exposure	J12 - 8' 6/6	Good germination; good-looking plants that produced steady supply of small beans.	+ + +		
King of the Garden (Pole)	Southern Exposure	H2 - 6' (2) 6/4	Heirloom; good-sized plants and beans; my best lima in '21.	+ + +		
Sieva	Southern Exposure	`19 & `20	Heirloom, planted by Thomas Jefferson; very productive in '19; plants looked good in '20 but almost no beans; did not plant in '21.	+ + +		
Beets		The `20 beet crop was a total failure; planted 5 varieties (Boro, Red Ace, Chioggia, Boltardy, Crosb Egyptian), all eaten by rabbits; only planted Red Ace in `21.				
Chioggia	Pinetree	`20	Did well for me in previous years; did not plant in '21.	+ + +		
Crosby Egyptian	Pinetree	`20	Heirloom; no harvest in `20; did not plant in `21.	?		
Cylindra	Pinetree	`19	Did well in `19; did not plant in `20 or `21.	+ + +		
Red Ace	Pinetree	J8 - 8' 4/4 & 5/7	4/4 sowing had spotty germination but combined sowings produced a great crop of good-size beets.	+ + + +		
Broccoli			t no crop in `21, combination of low germination rate, pren my failure to keep the bed weeded.	nature		
Aspabroc	Pinetree	R4 - 8' 4/28 (&`20)	Direct sowing; did ok in '20 but zero germination in '21.	+ +		
Blue Wind F1	Territorial	`18, `19, `20	Over three-year period, my most productive broccoli; did not plant in '21.	+ + +		
Di Cicco	Pinetree	R4 - 8' 4/28 (& `20)	Italian heirloom; direct sowing; low germination rate in '21; small harvests in '20 & '21.	No		
Miranda	Pinetree	R4 - 8' 4/28	Low germination rate; bolted quickly.	No		
Cabbage	that during the and water mix	¹ ²¹ was my best year growing cabbage; grew more heads than we could ever use; one key was that during the summer I experimented by spraying the small heads with a simple vinegar, soap, and water mixture, which effectively deterred the cabbage moths; in fall deer broke into the garden and ate several heads but still had plenty of cabbages for our needs and to give away.				
Bobcat	Territorial	10 blocks 4/16 (& `20)	Most productive cabbage in '20 & '21; nice, medium size blue-green heads; mild flavor; good in slaw.	+ + +		
Cuor di Bue Grosso	Annie's	10 blocks 4/16	Round medium size heads; sweet; good in slaw.	+ + +		

Integro F1	High Mowing	10 blocks 4/16	Oblong, red, medium size heads; dense, firm; good in soups.	+ + +		
Red Express	Baker Creek	`20	Good germination rate but plants slow to grow and heads did not develop fully; did not plant in '21.	No		
Tiara F1	Johnny's	10 blocks 4/16	An early/midseason cabbage; very nice heads; all matured nicely.	+ + +		
Carrots	moisture is ke	y; also importa	last three years; early sowing in loose, well-drained soil w nt to thin carrots so they have room to expand; I've had g e last three years.			
Amarillo	Pinetree (Baker Creek in '20)	02 - 6' Mid May (& `20)	Nice yellow carrot; high marks in family taste evaluations for fresh eating.	+ + + +		
Berlicum	Franchi (Seeds Italy)	02 - 6' Mid May (& `20)	Did very well in '20 & '21; large, nicely formed carrots.	+ + + +		
Bolero F1	Territorial	`18 & `19	A fall-winter traditional Nantes type carrot; did very well in '18 & '19; not planted in '20 or '21.	+ + + +		
Jaune Obtuse	Franchi (Seeds Italy	`20	Heirloom; large yellow roots; did well in '20; did not plant in '21.	+ + +		
Little Finger	Annie's	02 - 6' Mid May	A beautiful mid-size carrot; consistently straight, unblemished; tender, sweet; perfect for fresh eating.	+ + + +		
Manpukuji	Baker Creek	`20	Japanese, super long; advertised as reaching 2'; when harvested in fall, many over 1'; should have thinned them more effectively; did not plant in '21.	+ + +		
Mokum	Territorial & Pinetree	`20	Hybrid; In J9 bed in '20; good production; not planted in '21.	+ + +		
Shin Kuroda	Botanical Interests	`20	Excellent crop in new raised bed in `20; deep orange, well-developed; sweet, stores well; did not plant in `21.	+ + + +		
St. Valery	Annie's (Baker Creek in `20)	8' 4/6 (& `20)	19 th -century heirloom; bright orange; good production in '20 & '21; many grew long and thick; stores well; perfect for soups & stews.	+ + + +		
Tendersweet	Seeds `n Such	`18 & `19	Did very well in '18 & '19; not planted in '20 or '21	+ + + +		
Yellowstone	J. Scheepers	J8 - 8' 4/4 (& `20)	Outstanding crop of large, long, straight yellow carrots; also good crop in '19 & '20.	+ + + +		
Yaya	High Mowing	J8 - 8' 4/4	Excellent carrots; lovely color, size, tenderness.	+ + + +		
Celeriac		'21 was the first year I experimented with celeriac; started in greenhouse; all transplants survived and all continued growing through summer, even when soil became quite dry.				
Little Prague	Baker Creek	Transplant mid-May	Heirloom; all the transplants survived and most developed good-size roots; harvested roots used in soups.	+ + +		

Cucumbers	all varieties die cucumbers we control bugs a	My best cucumber harvest was in '18 when cucumbers were allowed to spread over a large area; all varieties did well and survived into the fall before the wilt eventually won out; beginning in '19 cucumbers were grown on trellises-which reduces spatial demands and makes it much easier to control bugs and keep track of harvestable fruit; however, vines have not grown as vigorously and harvests have been smaller-though '21 was much better than '20				
Arkansas Little Leaf Pickler	Southern Exposure	`20	These were planted late (July 2) and were a bust; produced no harvestable fruit.	No		
Beit Alpha	Seeds Italy	`20	Planted late; hit hard by wilt; produced no fruit.	No		
DMR401	Southern Exposure	H1 - 8' 5/17	Organic slicing cucumber; modest production.	+ +		
Chicago Pickling		`20	In '20 they produced a lot of fruit but they became over mature very quickly.	No		
Diva	Pinetree	`20	Good production, good fruit, good disease resistance; did not plant in '21.	+ + +		
Garden Sweet Burpless	Pinetree	`20	Ok production; not as good as Diva; did not plant in '21.	+ +		
General Lee	Pinetree	H2 - 5' (2) 6/4 & 6/19 (& `20)	In both '20 & '21 a long season of production; my best producer in '20.	+ + + +		
Manny F1	Territorial	R3 - 8' 5/2 (& `20)	Organic; shiny, spineless Beit Alpha cukes; parthenocarpic; fast grower; in '20 did very well in two pots at home.	+ + +		
Max Pack F1	Johnny's	O4 - 7' 5/30, 6/15	Low germination rate, but half dozen plants produced steady supply of small cukes into September.	+ + +		
Painted Serpent	Hudson Valley	H2 - 5' (2) 6/4, 6/19	Armenian cuke; long, striped cucumbers; decimated by cucumber bugs; only harvested 2 cukes.	No		
Poinsett 76	Botanical Interests	H2 - 5' (2) 6/4, 6/19	Dark green, straight cukes; top producer in '21.	+ + +		
Raider F1	Territorial	R3 - 8' 5/2	Smooth-skinned, cylindrical cukes; strong early production; continued even after vines hit with wilt.	+ + +		
Shintokiwa	Turtle Tree	Y2 - 8' 5/17	Dark green, long fruit; continued producing into September.	+ + +		
SV4719CS F1	Johnny's	`18 & `19	Hybrid slicing cucumber; seeds no longer available; this was by far my best cucumber; prolific, nice size fruit, good disease resistance.	+ + + +		
Eggplants	In '20 eggplants were devastated by cutworms shortly after transplanting; only harvested a few fruit. In '21 I made the mistake of planting eggplants at Wickiup in the K2 circular bed, which in '20 was a bed for fingerling potatoes; many plants never grew and produced very few fruit; 6 eggplants in containers at Alumni House Garden and 5 eggplants in containers at home did much better, particularly 2 Long Purple eggplants in a raised bed at home. "Blocks" refer to the number of seed blocks, one seed per block, started in the greenhouse.					
Black Beauty	Pinetree (Burpee's in `20)	10 blocks 4/10 (& `20)	Wickiup plants never grew; one plant in raised bed at home did okay; no plants survived cutworm in '20; in previous years had done very well.	+ + +		
Long Purple	Botanical Interests	10 blocks 4/10	Heirloom; few seeds, thin skin; very productive; mild flavor; even plants at Wickiup did well.	+ + + +		

Listada De Gandia	Territorial (Bot.Int. in `20)	10 blocks 4/10 (& `20)	Most productive eggplant in '20; in '21 fruit became brown, never turned into those beautiful light purple and white fruit-did not have that problem in '20.	?
Millionaire F1	Territorial	10 blocks 4/10	Top producer in '18 & '19; only 1 plant in '20; in '21 the plants in containers at Coe did well.	+ + +
Ping Tung	Baker Creek	`20	Taiwanese; long purple fruit, thin skin; good texture; did not plant in '21	+ + +
Poamoho Dark Long	Southern Exposure	10 blocks 4/10	Plant in raised bed at home did very well; lovely fruit, similar to Long Purple	+ + + +
Garlic			the fall; all the varieties have done equally well; I have a ecause of size and flavor, but they were not available in `2	
Bogatyr	Hood River	B1		+ + +
Chesnok Red	Garlic Store	B1 & M1		+ + +
Kisklyk	Garlic Store	B1		+ + +
Lithuanian Purple	Garlic Store	B1		+ + +
Majestic	?	`20		+ + + +
Music	Territorial	M1		+ + +
Elephant	Territorial	M1		+ + +
Kale	Red Fire lettuc	e; lettuce had	ng of `21; planted two 8' rows in August in a bed with a ro good germination rate but terrible rate with all 3 kale vari ations for these varieties.	
Black Magic	Johnny's	`20	My records don't indicate the performance of this kale.	
Dazzling Blue Kale	High Mowing	J11 - 4' 8/6	Very low germination rate; only a couple of small plants that were eaten by animal.	
Dwarf Blue Curled Scotch	Annie's	J11 - 4' 8/6	Zero germination.	
Lacinato (Black Tuscan)	Annie's	`20	Dark green leaves with bumps; good flavor & texture.	
Nero Toscana	Botanical Interests	`20	Heirloom; Italian lacinato-type kale; used in soups.	
Scarlet Curly	Territorial	J11 - 8' 8/6	Very low germination rate, less than 10%; several nice frilly-leafed red kale but eaten by animal before any were harvested.	
Kohlrabi			broduced some good kohlrabi but most of crop eaten by de arden fence; did not plant any kohlrabi in '21.	er after the
Early Purple Viennna	Baker Creek	`20	Plants never grew very large and did not develop any harvestable fruit.	No
Kolibri	Pinetree	`20	Hybrid; did not produce any harvestable fruit.	No
Konan F1	Territorial	`20	Good crop of medium size kohlrabi though took longer to develop than advertised 42 days on seed packet.	+ + +
Terek F1	Johnny's	`20	Compact plants; nice texture; sweet & mild.	+ + +

Leeks & Shallots		I often treat leeks, shallots, and onions as perennials, harvesting some and allowing others to overwinter and produce new plants in the spring; did not sow any new leek, shallot, or onion seeds in `21.					
Zebrume Shallot	Baker Creek	`20	Seed sown in greenhouse in Jan '20; good germination; transplanted to garden in April; good crop	+ + +			
Lettuce & Radicchio		ith just a couple of exceptions, I've had good results with most of the lettuces I have tried; my vorites remain Black-Seeded Simpson and Red Sails.					
Black-Seeded Simpson	Pinetree (Baker Creek in `20)	J11 - 6' 4/6 (also `19 & `20)	Heirloom; the lettuce we grew on the farm in the 1950s; holds up well through spring; remains my favorite lettuce	+ + + +			
Drunken Woman Frizzy Headed	Territorial	U1 - 8' 5/17	Butterhead; green leaves tinged with red; good germination but in '21 this row of lettuce over-run by amaranth and cucumbers in the same bed.	+ + +			
Flashy Butter Gem	Baker Creek	`19	Lovely green romaine with red spots; only planted one year.	+ + +			
Flashy Trout's Romaine	Territorial	`19	Austrian heirloom, <i>Forellenschluss</i> ; lovely, speckled leaves; good heat resistance; nice flavor, texture.	+ + + +			
Lollo Bionda	Victory	`20	Planted spring & fall in `20; spring crop did very well; loose, frilly leaves; mild salad green.	+ + +			
Merlot	Hudson Valley	J8 - 8' 8/5	August planting; zero germination	No			
Merveille de Quatre Saisons	Victory	`20	French heirloom bibb type lettuce; red-tipped leaves around green hearts; bolt-resistant; did well in '20.	+ + +			
Radicchio Rossa di Treviso	Baker Creek	`20; sown in August	One 8' row produced nice fall crop; tall, slender cluster of leaves; dark red color.	+ + +			
Red Fire	Territorial	J13 - 8' 4/6 & 8/5	Looseleaf; beautiful, dark ruby red leaves; sowing in April and August both did well	+ + + +			
Red Iceberg	Territorial	J13 - 8' 4/6	Attractive medium size iceberg; bolt-resistant; produced several nice heads.	+ + +			
Red Sails	Botanical Interests	U1 - 4' 5/17 (& `20)	Ruffled burgundy leaves; consistently top quality, bolt resistant; one of my all-time favorites.	+ + + +			
Rouge d'hiver	Baker Creek; Victory in '20	J10 - 6' 4/6 (&`20)	French heirloom; red romaine; good for fall planting.	+ + +			
Winter Density	Territorial	J13 - 8' 4/6	Dark green romaine; good spring and fall lettuce.	+ + +			
Melons		s and their allie	cantaloupe, muskmelons, and honeydew melons that can es; I have tried different techniques for covering the plants y well.				
Edisto Mystery	Southern Exposure	T2 - 2 hills 5/25	Very productive; several nice fruit although we lost some to mice.	+ + + +			
Kansas	Southern Exposure	R1 - 16' 5/25	Vines looked great; produced many fruit, but they never reached full size; plants should have been thinned and perhaps different fertilizer.	?			

Lambkin F1	Johnny's	H1 - 6 hills 5/25 (&`20)	Skin of the Toad (Piel de Sapo) hybrid; only produced 3 full-sized fruit but they were sweet & delicious; fruit stores well, thus classified as a "winter melon."	+ + + +	
Boule D'Or	Baker Creek	`20 - 4 hills	Sweet honeydew with pale green flesh; only produced a few melons before vines succumbed to wilt.	+ +	
Moonstruck F1	Territorial	4 hills 5/21	Produced nice-looking fruit; harvested a couple that were good; many fruit eaten by some animal.	+ +	
Sarah's Choice	Johnny's	West 6 hills end of May (``20)	By far my the most productive cantaloupe in last 4-5 years; decent resistance to wilt; nice size fruit; excellent flavor & texture.	+ + + +	
Sweet Delight	Botanical Interests	H1 - 5 hills 5/25	All plants killed by bugs; harvested 2 fruit that were good.	+ +	
Okra	(tomatoes & a became over r	Both varieties planted late in '21 were inhibited by the shade of taller plants on each side (tomatoes & asparagus); plants never grew large, and I was tardy in my harvesting; many fruit became over mature; the '20 crop was much more successful-planted earlier, larger plants with beautiful orchid-like flowers; slight preference for Red Burgundy.			
Burmese	Southern Exposure	M2 - 10' (2) 6/21	Late in producing fruit and I failed to keep them picked, but young okra was very good.	+ + +	
Candle Fire F1	Territorial	M2 - 6' (2) 6/21	Similar to results with Burmese variety.	+ + +	
Clemson Spineless 80	Victory	`20	4-5' tall productive plants; green, straight pods	+ + +	
Red Burgundy	Botanical Interests	`20	Did very well; productive plants until derecho (stripped plants of their leaves); long, thin fruit; AAS winner.	+ + + +	
Onions			n Frontier on Blairs Ferry were planted in various beds throng of peas, beans, tomatoes, etc.	oughout the	
Onion sets	Frontier Garden	Many raised beds	White, red, and yellow onion sets; all did well.	+ + + +	
Walking Onions	Baker Creek	Since '19	These were planted in '19 and have thrived, now filling an 8' x 3' raised bed; required minimal care.	+ + + +	
Parsnips	done well in th	e garden and c	rds to germination, but once they germinate they have cor overwinter quite well; in the past 4 years, Annie's Parsnip I best rate of germination, but that seed package no longer	lix was the	
Annie's Mix	Annie's	8' in `20	A mix of 3 different varieties; one variety germinated and produced good crop; did not plant in '21	+ + + +	
Halblange	High Mowing	S3 - 8' 4/27	Low germination rate; will harvest a few next spring	No	
Harris Model	Baker Creek	S3 - 8' 4/27	Decent germination rate; harvested half of the crop; did okay.	+ + +	
Pacific	J. Scheepers	S3 - 8' 4/27	Zero germination	No	

Peas, Shelling				
Champion of England	Annie's	04 - 8' (4) 4/7	Very low germination rate; just a few plants and harvested a small number of pods.	No
Goroh	Solstice	4/7	Heirloom Russian pea for soup; harvest a dry pea (90 days); only produced $\frac{1}{2}$ pint of peas.	No
Kelvedon Wonder	Baker Creek	`19	Short plants; do not require a trellis; very productive `19, multiple harvests; did not plant in `20 or `21.	+ + + +
Mammoth Melting Sugar	Pinetree	`20	Planted in late spring; minimal production	+ +
Mayfair Shell peas	Turtle Tree	T2 - 8' (4) 4/7	Plants never grew very tall; minor production	No
Sugar Magnolia	Pinetree	J9 - 8' (3) 3/29	Great looking plants, over 6' tall; good production.	+ + + +
Peas, Snap & Snow Peas				
Carouby	Franchi (Seeds Italy)	H1 - 8' (5) 4/27	Late sugar pea; large plants, good-sized peas; did extremely well in '20 and good production in '21.	+ + + +
Golden India	J. Scheepers	J9 - 8' (3) 3/29	Beautiful plants; lovely snow peas, though production tailed off quickly.	+ + +
Iona Petit Pois	J. Scheepers	`19 & `20	A top producer of lovely snow peas in '19; planted late and low germination rate in '20; did not plant in '21.	+ + + +
Little SnowPea White	J. Scheepers	D1 - 8' 8/6	Most productive pea in '20 & '21; prolific in spring and solid production in fall; ready to harvest in about 35 days; stringless, tender, good tasting.	+ + + +
Opal Creek Yellow Snap	J. Scheepers	W3- 16' (4) 4/6	Large, vigorous plants; many blossoms; but mice cut down plants & lost 90% of crop.	+ + + +
Oregon Sugar Pod II	Botanical Interests	`20	My records incomplete but definitely not a big success.	?
PL141	Territorial	`20	Early June sowing; decent germination but did not produce many peas, perhaps because of late sowing.	+ +
Super Sugar Snap	Territorial	J1 - 8' (5) 8/9	Planted as fall crop; very low germination rate; about 10 plants but they were productive.	+ + +
Peppers, Sweet		; in contrast, th	stated in `20 by cut worms, killing transplants shortly after ne `21 peppers produced a bumper crop, all varieties contr	
Ace F1	Johnny's	`18-`20	Prior to '20, the Ace hybrid bell pepper was garden's top producing pepper; did not plant in '21.	+ + + +
Chervena Chuska	Annie's	5 blocks (4/2)	Bulgarian heirloom; medium-sized, pointed red peppers; did well in large pot in Alumni House Garden.	+ + + +
Felicity (Hybrid)	Pinetree	10 blocks (4/2; 4/8) (& `20)	Great pepper; has flavor of a jalapeño but without the heat; medium-sized, thick skin; productive; easy to remove seeds.	+ + + +
Goliath	Seeds `n Such	10 blocks (4/2; 4/8)	Good-sized fruit but modest production; best pepper for stuffing.	+ + +

	Crostian	10 blasta	Wonderful auget normalized and life and deather of the li	
Leysa	Croatian Seeds	10 blocks (4/8) (& `20)	Wonderful sweet pepper; prolific production of medium size fruit; steady production into winter; did well in pots.	+ + + +
Lipstick	Totally Tomatoes	5 blocks (4/8)	Italian bull's horn; lovely red, all-purpose, modest sized, sweet pepper.	+ + +
Quadrato d'Asti Rosso	J. Scheepers	10 blocks (4/8)	Productive, good-sized green/red sweet pepper.	+ + +
Sweet Banana	Botanical Interests	10 blocks (4/8) (& `20)	Classic, long, yellow, all-purpose sweet pepper; very productive in final weeks before first freeze.	+ + + +
Wisconsin Lakes	Pinetree	10 blocks (4/8) (& `20)	Good, all-purpose red bell pepper; modest production into October	+ + +
Peppers, Hot	amounts in co		I like to grow some that can be shared with friends, and w varieties were chosen because of high recommendations b ot peppers.	
Aji Rico	Totally Tomatoes	5 blocks (4/2)	Moderate heat; small green to red peppers; very productive.	+ + +
Buena Mulata	Truelove	10 blocks (4/2)	Beautiful, productive small cayenne peppers; start purple and then change to other colors, getting hotter.	+ + + +
Mad Hatter	Seeds `n Such	`18 - `20	Small light green peppers; moderate heat; prolific production in late summer; did not plant in '21.	+ + + +
Potatoes			potatoes; hard to go wrong with any variety; most of our eisen's or Frontier Garden Center.	potatoes
Apple Rose Finn Fingerling	Wood Prairie	V1 - 30 hills (&`20)	In '20 excellent production in K2 bed; zero production in V1 bed in '21; apparently the crop was wiped out by mice or voles.	+ + + +
French Fingerling	High Mowing	J15 - 20 hills 5/16	Planted late but did well; lovely small roasting potatoes; some damage from mice	+ + +
Kennebec	Theisen's & Frontier	West in `21	Most productive potatoes planted in '20 & '21; good size and quality.	+ + + +
King Harry	Maine Potato Lady	`19 - `21	Planted in the 01 bed in '19; volunteers have taken over the bed in '20 & '21; lovely, well-formed white skin, white flesh potato that stores well.	+ + +
Red Chieftain	High Mowing	West in '21	A nice potato, comparable to Red Pontiac, but probably not worth the extra expense	+ + +
Red Pontiac	Theisen's	West in '21	Great production; good size and quality.	+ + +
Yukon Gold	Theisen's	West in `21 (& `20)	Consistently strong producer of good quality potatoes (though occasional hollow heart in larger potatoes); my favorite all-purpose potato.	+ + + +
Yellow Banana Fingerling	Wood Prairie	03 - 20 hills	Lovely, nice sized fingerlings; I love the fingerlings for roasting with carrots.	+ + + +

Pumpkins	disease. In '20	Il pumpkins in West Field; most varieties have done well; minimal problems with animals or sease. In '20 the pumpkin vines ran together, hills were not clearly labeled, and we did not keep bod track of which vines were producing which pumpkins; record keeping more accurate in '21.					
Cinnamon Girl	Johnny's	`20 - 4 hills	Records incomplete; no indication any fruit were harvested.	?			
Jaune Gros de Paris	Annie's	`20 - 4 hills	Records incomplete; no indication any fruit were produced.	?			
Long Island Cheese	Annie's	`21	Large, attractive pumpkins; not bothered by animals or insects; excellent for cooking; stores very well.	+ + + +			
New England Pie	Annie's	`20 & `21	Small, sweet pumpkins; very productive both years	+ + + +			
Small Sugar	Pinetree	`20 & `21	Heirloom; small fruit, productive.	+ + + +			
Sugar Pie	Botanical Interests	`20	Most productive pumpkin in '20; stores well; did not plant in '21.	+ + + +			
Winter Luxury	Territorial	`20 - 4 hills	Good, medium size pie pumpkin; did very well in '20; did not plant in '21.	+ + +			
Radishes	rate except for (for example,	I did not buy new seeds in '21; sowed two varieties of '19 & '20 seeds and had good germination rate except for one fall sowing in August; most radishes were sowed as fillers between other plants (for example, a row of radish between two rows of carrots); I am not a huge fan of radishes so I rely on my wife for flavor/taste/texture evaluations.					
Celesta F1	Territorial	`20	Reputed to be a good radish for both spring & fall; small, red skin with white flesh.	?			
Cherry Belle	Ferry-Morse	`20 & `21	Has been my basic, all-purpose radish; very dependable for early harvest	+ + +			
Crunchy King F1	Johnny's	`20	Hybrid round; no record of how well they did in '20.	?			
Early Scarlet Globe	Victory	`19	Sowed in `19; no record of how well they did.	?			
Pink Beauty	Baker Creek	`20	Planted once in April `20; did very well; round, pink, relatively sweet.	+ + +			
Radish de 18 Jours	Baker Creek	`19	French breakfast type; red cylindrical roots with white tops; did not mature in 18 days but under 30 days; good candidate for growing in pots in greenhouse.	+ + +			
Rover F1	Johnny's	`19 - `20	Hybrid round radish; did not plant in '21.	+ + +			
Sora OG	Johnny's	`19 - `21	Dependable radish; nice flavor and texture; a little heat; slow to bolt.	+ + +			
Rutabaga							
Magres	Territorial	`20	Moderate rate of germination, resulting in about 15 plants; produced green tops but no roots developed.	?			
Gilfeather	Pinetree	`20	Same results as with the Magres	?			

Spinach			tended to sow seeds for fall garden but I became absorbed ach was never started.	in other
Early #7	Victory	`20	Early March sowing; good germination rate; fast growing; good harvest.	+ + +
Palco	Pinetree	`19 & `20	Sowed '19 Palco in late fall of '18; seeds over-wintered, sprouted early; good crop; in '20, early spring sowing with another good harvest.	+ + +
Red Malabar	Pinetree	`20	Heirloom; first time growing Red Malabar (technically not a spinach) in '20; sown early summer; huge plants; steady production late summer & fall until first freeze	+ + + +
Squash, Winter			Nest Field; good production with all varieties; some proble but not in `21; in most instances we planted four hills of ea	
Autumn Frost F1	Territorial	`20 & `21	Good number of nice sized fruit, deeply ridged tough outer skin.	+ + + +
Acorn - Sweet Reba	Botanical Interests	`20	Good, early production; vines held up well through season; did not plant in '21.	+ + +
Buttercup, Burgess	Victory	`20	No written notes on produce from this planting.	?
Butternut, Waltham	Territorial	`20	In unfenced field, many of the butternut eaten by deer or some other animals; did not plant in '21.	?
Honeyboat Delicata	Natural Gardening	`20	Third year I've planted a delicata squash and again very small numbers of squash to harvest.	+ +
Lakota	Baker Creek	`20	No harvested squash; all vines succumbed to wilt.	No
Red Kuri	Baker Creek	`20	Only produced 2 squash; lovely appearance but vines quickly wiped out by wilt.	+ +
Spaghetti	Johnny's	`20 & `21	Very productive; stores well.	+ + + +
Thelma Sanders Sweet Potato	Southern Exposure	`20 & `21	Very productive; lovely squash; in '20 the deer (or some animal) ate many fruit but no problem in '21.	+ + + +
Sweet Potatoes	Good harvest	of both Covingt	con & Beauregard in `20.	
Covington	Johnny's	`20	Did not plant in '21.	+ + +
Beauregard	Annie's in `21	`20 & `21	In '21 planted 15 slips in a new raised circular bed with fresh compost; plants looked great, but majority of plants had no potatoes; total harvest of 10 potatoes.	+ + +
Swiss Chard	Did not plant a	any Swiss char	d in `21	
Bright Lights	Pinetree	`18 - `20	Excellent production each year; lovely leaves, can be harvested into October.	+ + + +
Chard Verde da Taglio	Seeds Italy	`20	A good Swiss chard; tender leaves; but no match for Bright Lights.	+ + +

Tomatoes	The '20 tomatoes were severely set back by the cut worms; even with stem protection, over half of the planted tomatoes were cut down; some never recovered and others never reached normal size or productivity. In contrast, the '21 crop was a record-breaking harvest; I had 32 varieties & total of 56 plants, unless otherwise noted, 2 plants for each variety; majority of plants remained healthy; moderate disease problems but most indeterminates were still producing into October.				
Amish Paste	Pinetree	`20	Over the years has been my best producing paste tomato; did not plant in '21 and may not plant again because of outstanding performance by Juliet's World.	+ + +	
Arkansas Traveler	Totally Tomatoes	5 blocks (4/1)	plants; first time grown in '21; very impressive; vigorous production of mid-sized red fruit; kept producing until it froze.	+ + + +	
Artemis	Territorial	`20	Cherry tomato had strong early production; tapered off but kept producing into fall; did not plant in '21.	+ + +	
Berkeley Tie- Dye	Baker Creek	5 blocks (4/1)	3 plants in '21; a delicious, juicy fruit; one of my favorites; ok in '21 but not as good as previous years; it was the top producing tomato in the '20 garden.	+ + + +	
Bloody Butcher	Seeds `n Such	5 blocks (4/1)	1 plant; advertised as an early tomato but produced only a few small fruit in September.	No	
Brandywine, Red	Southern Exposure	5 blocks (4/1)	Organic; decent production; smaller fruit than previous Brandywine varieties.	+ + +	
Brandywine, Yellow	Victory	`20	One of the top producers in '20; did not plant in '21	+ + +	
Buckbee Abe Lincoln	Seeds `n Such	`20 & `21	Okay production of medium sized fruit; might try a different strain in future.	+ + +	
Celebrity	Seeds `n Such	5 blocks (4/1)	OK production; good slicing tomato.	+ + +	
Cherokee Purple	Botanical Interests	5 Blocks (4/1)	Smaller fruit, less productive than in past; but great flavor; kept producing into October.	+ + + +	
Dad's Sunset	Southern Exposure	5 blocks (4/1)	1 plant; modest production; mid-sized orange fruit; good enough to try again.	+ + +	
Damsel	Johnny's	`20	My records don't indicate Damsel harvest in `20; not planted in `21.	?	
Delicious	Totally Tomatoes	5 blocks (4/1)	Good-sized fruit; good slicer; decent production.	+ + +	
Djena Lee's Golden Girl	Southern Exposure	5 blocks (4/1)	1 plant; modest production, but lovely fruit and will try it again.	+ +	
Dr. Wyche's Yellow	Victory	5 blocks (4/1)	Nice sized yellow fruit; good production.	+ + +	
Early Detroit #17	Victory	`20	2 plants in '20; only produced late in the season; medium-sized pink/red fruit; did not plant in '21.	+ +	
Galahad	Totally Tomatoes	5 blocks (4/1)	Determinate; compact plant; medium-sized red slicer; did very well in '20 (those seeds from Territorial).	+ + +	
Gardeners Delight	Pinetree	5 blocks (4/1)	Small red tomatoes; so-so production in '21; first planted in '19 and had a good crop; two '20 volunteers did okay.	+ + +	

Giant Belgium	Seeds `n Such	5 blocks (4/1)	1 plant; modest production of a few large tomatoes	+ +
Hungarian Heart	J. Scheepers	5 blocks (4/1)	1 plant; big red slicers; late developing and many did not develop evenly.	+ +
Juliet Hybrid	Totally Tomatoes	5 blocks (4/1)	4 plants, incredible production of lovely small fruit, superior to Amish Paste; the big discovery of '21.	+ + + +
Kelloggs Breakfast	Pinetree	5 blocks (4/2)	Heirloom; large, delicious orange fruit; peaked in late summer; not as productive as in '20.	+ + + +
Kozula	Croatian Seeds	5 blocks (4/2)	Midseason, indeterminate, yellow beefsteak; a lovely tomato, good production in late August, early Sept.	+ + +
Lemon Boy	Victory	5 blocks (4/1)	Slow in producing fruit in '21 but came on strong in early fall; over last five years, my top producer.	+ + + +
Lillian's Yellow Heirloom	Victory	5 blocks (4/1)	Not as productive as in '20 but still decent number of delicious yellow slicers.	+ + + +
Livingston's `Honor Bright'	Victory	5 blocks (4/1)	1 plant; very late developing; modest production.	+ +
Marianna's Peace	Seeds `n Such	5 blocks (4/2)	1 plant; my records don't indicate the performance of this tomato plant.	?
Mary Reynolds Orange	Truelove	5 blocks (4/2)	1 plant; late season production; mid-sized orange fruit; might try again.	+ +
Mikado	Truelove	5 blocks (4/2)	3 plants; strong early production of large red fruit; fruit developed nicely.	+ + + +
Mountain Merit	Seeds `n Such	5 blocks (4/2)	1 plant; no notes on its production.	?
Nebraska Wedding	Pinetree	5 blocks (4/2)	1 plant; so-so production in `21; more productive in `20.	+ + +
Omar's Lebanese	Totally Tomatoes	5 blocks (4/2)	1 plant; a few fruit at end of season.	No
Roughwood Golden Plum	Hudson Valley	5 blocks (4/2)	A sleeper; came on late producing nice, medium sized fruit in early fal; low acid sauce tomato but okay fresh.	+ + +
Siberian	Seeds `n Such	5 blocks (4/2)	1 plant; supposed to be an early variety but produced very few fruit	No
Striped German	Annie's	5 blocks (4/2)	1 plant; Medium sized beefsteak; ok production; worth trying again.	+ +
Sungold	Pinetree	5 blocks (4/2)	3 huge plants, over 10' tall; steady production through summer; less cracking than in the past; outstanding flavor, great fresh eating; still producing in October.	+ + + +
Tasty Pink Beefsteak	Totally Tomatoes	5 blocks (4/2)	1 plant; no notes on its production.	?
Thessaloniki	Totally Tomatoes	5 blocks (4/2)	A top producer in '20; only 1 plant in '21 and it did okay; firm flesh, no cracking; keeps well.	+ + +
Upstate Oxheart	Hudson Valley	5 blocks (4/2)	Very disappointing; many large tomatoes but the fruit developed unevenly.	+ +

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Wapsipinicon Peach	Pinetree	10 blocks (4/2)	Wow, '21 crop was incredible; hundreds of fruit on 4 plants; still producing til October freeze	+ + + +		
White Currant	Baker Creek	5 blocks (4/2)	A top discovery in '21; steady production of lovely yellow grape-size tomatoes; continued into October.	+ + + +		
Turnips	Did not sow any turnip seeds in '20 or '21; in '19 sowed 3 varieties and had good results with all of them: Golden Ball (Territorial), Purple White (Territorial) and Just Right (Seeds 'n Such).					
Watermelon	All watermelon in the West Field held up well into the fall; in '21 decent production from most varieties but the Ali baba vines were by far the best (as they were in '20); 4 hills for each variety.					
Ali Baba	Turtle Tree (Baker Creek in `20)	`20 & `21	Long, large, pale green oblong melons; sweet, crisp flesh; Baker Creek notes this variety comes from Iraq.	+ + + +		
Black Diamond	Ferry-Morse	`20	Classic watermelon, the kind we ate in Kansas in the 1950s; produced a couple of melons but not as large or sweet as I would prefer; did not plant in '20.	+ +		
Crimson Sweet, Virginia Select	Southern Exposure	`21	Good crop of sweet, nice-sized melons.	+ + +		
Moon & Stars	Pinetree	`20 & `21	Marginal germination rate; produced a few small melons but did not develop evenly; did better in `21	+ +		
Sangria	Pinetree	`20	Records not clear on how well this hybrid performed; not planted in '21.	?		
Zucchini	Summer Squash; excellent production from multiple varieties in '20 & '21.					
Astia F1	Territorial	`18 - `20	Vines with earliest zucchini; very productive in '18 & '19; susceptible to wilt; did not plant in '21	+ + +		
Black Beauty	Territorial	B2 - 6' 6/24	Excellent production in '20; sowed seed in mid May; long, steady production; vines held up well; late sowing in '21, only a few fruit.	+ + +		
Bolognese	Franchi (Seeds Italy)	B2 - 6' 6/24	Small stubby fruit; only harvested a few fruit.	+ +		
Cocozelle	Botanical Interests	F1 - 8' 5/14	Steady production of excellent fruit; kept producing into fall; very impressive.	+ + + +		
Cube of Butter	Botanical Interests	`20	Seeds sowed late on July 1; modest production.	+ + +		
Desert F1	High Mowing	B2 - 6' 6/24	Six plants in '20; long, steady production of lovely, dark green fruit; late sowing in '21 & l ess productive.	+ + +		
Golden Glory F1	Johnny's	`20	Lovely fruit; long, steady production; did not plant in '21.	+ + +		
Lebanese White	Pinetree	01 in `20 & `21	Huge production in '18 & '19; seeds sown late in '20 & 21 in the bed with the volunteer King Harry potatoes; only harvested a few fruit.	+ + + +		
Magda F1	Natural Gardening	`20 West	Mistakenly planted with winter squash in '20; huge plants, prolific production of lovely fruit; kept producing into October. In '21 a volunteer appeared in same location and repeated performance.	+ + + +		
Palestinian Kusa	Truelove	B2 - 6' 6/24	Best production of the zucchini planted in late June; only picked a few pale-colored fruit.	+ + +		

Mexicana F1	Territorial	F1 - 8' 5/14	Great production in '20 & '21; often 3-4 fruit per vine; continued production into the fall.	+ + + +	
Sunburst Patty Pan	Seeds `n Such	`20	Late sowing (July 9) in R1; good fall production; did not plant in `21.	+ + +	
Perennials, Herbs, & Self- Seeding Annuals	Plants in the garden that appear each year on their own; most are perennials but a couple of self- seeders.				
Amaranth, Red Hopi			First sown four years ago; a prolific self-seeder, hundreds of seedlings all over the garden; I allow a few to grow to full stature, which can be over 6' tall; harvest fresh red leaves for salads.	+ + + +	
Asparagus			Two long asparagus beds (planted in '16 & '18) with two varieties (one green, one purple); '21 was peak harvest to date, steady supply lasting about 3 weeks.	+ + + +	
Blackberries			Two varieties (Apache Thornless & Heaven Can Wait) in a long bed in SW corner; excellent crop in '20 but only a few berries in '21;plants looked healthy and growing vigorously but very few flowers.	+ + +	
Blueberries			4 plants; two dwarf plants from nursery and two wild blueberries from northern Minnesota; plants have not thrived and two died in '21 during July's hot, dry spell.	?	
White Currants			4 bushes planted in '19; first real crop in '21 but fruit eaten (probably by birds) before I got them harvested.	+ + +	
Dill			Self-seeder that appears in several beds in the middle of the garden.	+ + +	
Grapes			3 varieties planted in '18: Concord Seedless, Red Catawba, & Niagra; looking for first real harvest in '22.	?	
Raspberries			Two long beds with red (2 varieties), black, and champagne berries; harvest in June and September.	+ + +	
Rhubarb			3 plants, 2 planted in '17 and one in '18; it took three years but the two older plants very productive in '21, with lovely red stems.	+ + + +	
Sage			A huge sage bush, planted in `15; when in blossom, powerful magnet for bees.	+ + + +	
Scorzonera, Duplex Russian Giant			A perennial in the J7 bed; seeds sown in spring of '20; I've never harvested any of the dark roots; deer like to eat the green tops, which resemble turnips.	?	
Strawberries			7 beds (each 8' x 3'); all June bearing; 4 beds of Flavorfest have been very productive (except in '21, when blossoms did not set) with beautiful, delicious fruit; other 3 beds with 3 varieties planted in '20; Sparkle & Earliglow doing okay but most of the Jewel plants died in summer of '21.	+ + + +	