

Franklin County Master Gardeners Vegetable Trials @ Waterman Farm



Veggie Trials Mission

Determine what grows well in
Central Ohio

- Focus on home gardens
- Emphasize horticultural practices accessible to ordinary gardeners
- Donate produce to food pantries
- Share our research
- Work with other Master Gardeners



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A Year at Veggie Trials

- January: Selecting plant varieties
- February: Ordering seeds, designing plot
- March: Planting in greenhouse
- Spring: Planting, mulching, weeding
- Summer: Evaluating and harvesting
- Fall: Evaluating, harvesting, cleaning up
- Winter: Analyzing data and reporting
- December: Celebrating with potluck!



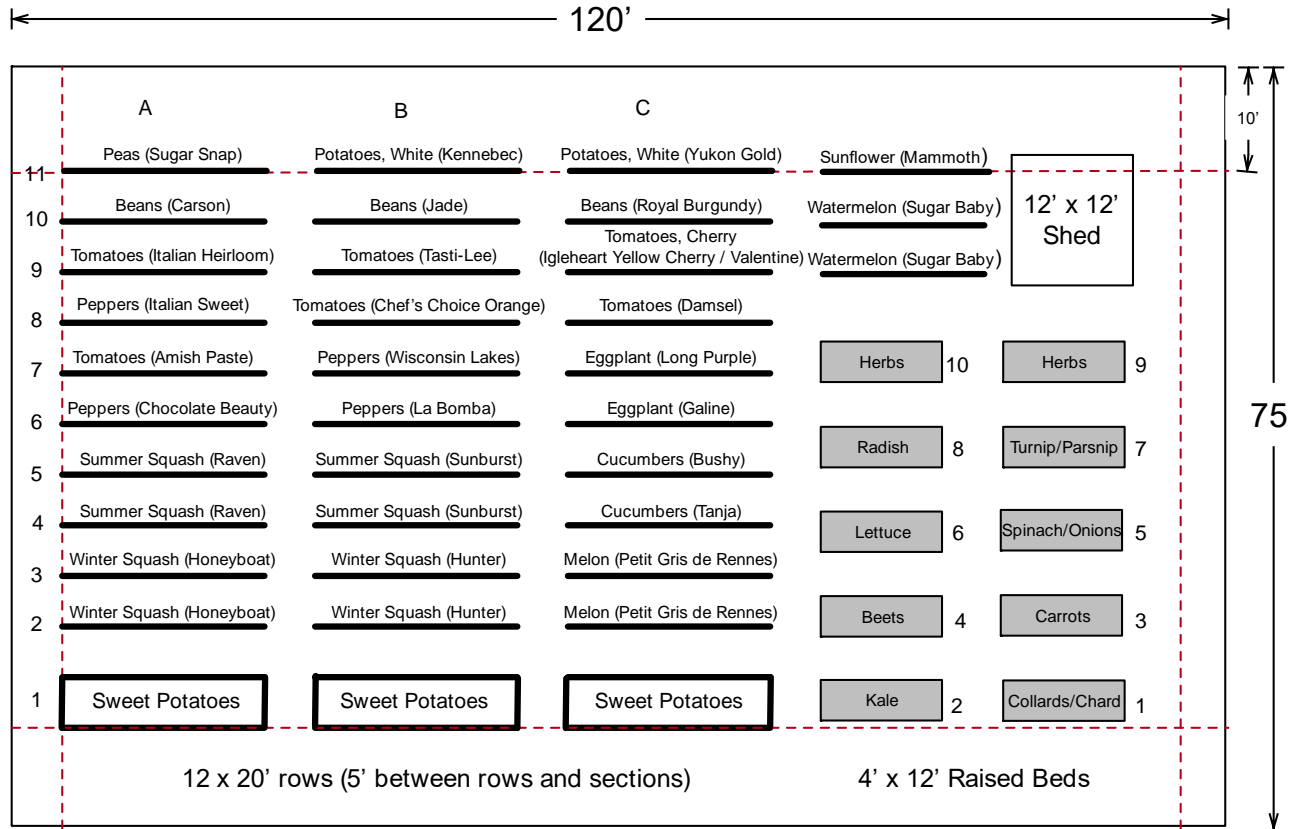
Selecting Seed Varieties

Select commercially available seeds of promising varieties



Designing the Plot

We grow 2-5 varieties of each vegetable.



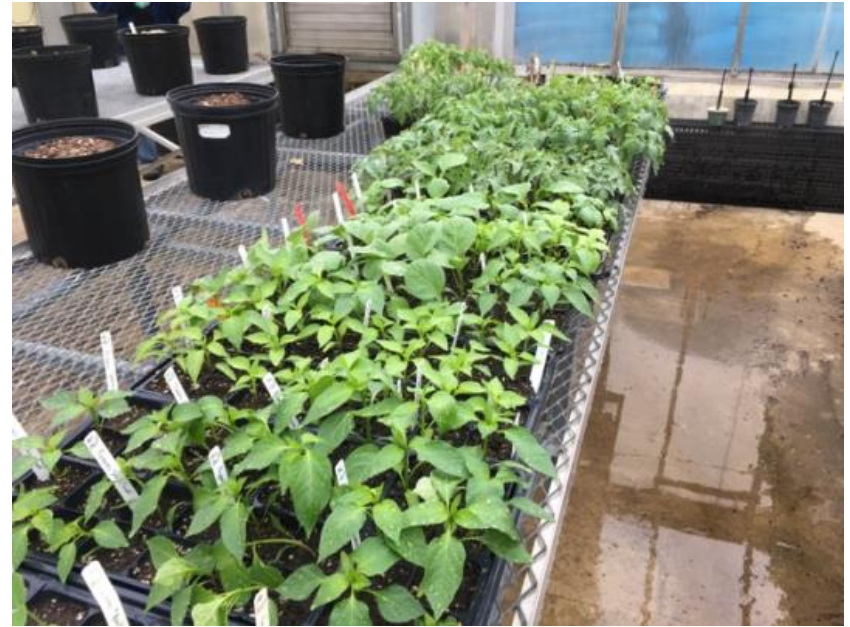
Raised Bed Key

- 10 Chives
- 10 Lemon Balm
- 10 Spearmint
- 10 Peppermint
- 10 Chamomile
- 10
- 9 Parsley (Moss Curled)
- 9 Parsley (Single Italian Flat)
- 9 Basil (Sweet Italian)
- 8 Radish (Purple Plum)
- 8 Radish (Crunchy Crimson)
- 7 Turnips (Scarlet Queen)
- 7 Parsnips (Gladiator)
- 6 Lettuce (Forellenschluss)
- 6 Lettuce (Clearwater)
- 5 Spinach (Kolibr)
- 5 Onions (Stuttgarter)
- 4 Beets (Early Wonder Tall)
- 4 Beets (Boldor)
- 3 Carrots (Yellowstone)
- 3 Carrots (Danvers)
- 2 Kale (Scarlet)
- 2 Kale (Black Magic)
- 1 Collards (Georgia Southern)
- 1 Swiss Chard (Fordhook)

Waterman Farms, Corner of Lane & Kenny
Southeast of the FC Extension Building



Sowing and Nurturing Seedlings in Greenhouse



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Planting, Mulching, Weeding



Transplanting greenhouse plants into garden, seeding rows and raised beds.



Use our tools or bring your own.
We garden Monday and Thursday mornings.



Evaluating



Evaluation sheet: Thursday Team 2019 Date 10/10/19

Recorder Name: Linda Becker

2019 cultivars	Disease/pest	Rating*	Comments: stage of development, health, insect/disease problems
Sweet Potato	Georgia	1.5	tops beginning
Sweet Potato	Georgia	1.5	tops beginning
Sweet Potato	Georgia	1.5	tops beginning
Spaghetti Squash	Winter	4.5	tops beginning
Spaghetti Squash	Winter	4.5	tops beginning
Melon	Heat Tolerant	4.5	tops beginning
Spaghetti Squash	Winter	4.5	tops beginning
Spaghetti Squash	Winter	4.5	tops beginning
Cucumber	Florida	3	leaf curl, mildew, rot
Cucumber	Florida	2.5	leaf curl, mildew, rot
Peppers	Golden Wonder	1	no leaf curl
Peppers	Golden Wonder	1.5	leaf curl, mildew, rot

*Rating guide:
 1=all plants healthy for stage of development, only minimal damage or disease
 2=most (80%+) plants healthy, small amount of damage to foliage or fruit (LSDN)
 3=50-80% of plants healthy, moderate damage (1/3-40%) fruit, foliage affected
 4=fewer than half plants healthy, extreme damage to fruit, foliage affecting production
 5=dead

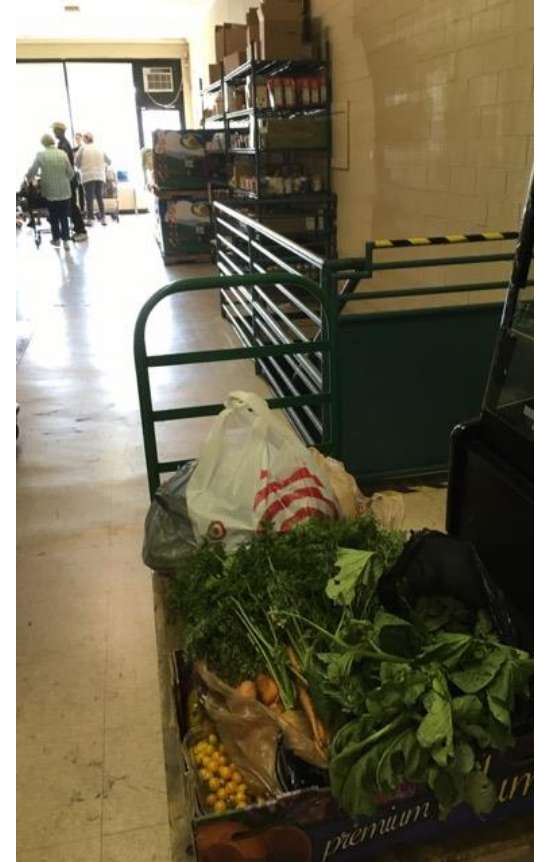
OTHER COMMENTS/NOTES: include weather, pesticides used, rainfall



Harvesting and Weighing



Packing Produce and Delivering to Food Banks



We donate over 80% of our harvest to local food pantries!



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Reporting on Our Research

The screenshot shows a PDF document titled "FCMG Volunteer Vegetable Trial Gardens | Chadwick Arboretum & Learning Gardens". The table of contents includes sections like Executive Summary, Introduction, Method, Results, and Productivity Data. A bar chart titled "SOIL NUTRIENT LEVELS" compares nutrient levels (Soil pH, Phosphate, Potash, Magnesium, Calcium) against three categories: Below Optimum, Optimum, and Above Optimum.

Nutrient	Below Optimum	Optimum	Above Optimum
Soil pH	0	100	0
Phosphate (P ₂ O ₅)	20	80	0
Potash (K ₂ O)	0	100	0
Magnesium (MgO)	0	80	20
Calcium (CaO)	0	100	0

<https://franklin.osu.edu/program-areas/master-gardener-volunteers/veggie-trials>

Weather 18

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..... 22

Table 9. Temperature and precipitation during the 2015 crop year.²

	2015 Temp	2015 Precip	Norm Temp	Norm Precip	Temp dif from norm	Precip dif from norm
Mar-15	38.3	4.34	41.9	3.02	-3.6	1.32
Apr-15	53.2	4.7	53.1	3.4	0.1	1.3
May-15	67.1	3.87	62.5	4.17	4.6	-0.3
Jun-15	71.2	9.21	71.5	4.01	-0.3	5.2
Jul-15	72.3	4.98	75.2	4.79	-2.9	0.19

Table 3: Date to first harvest and harvest duration

2015 Cultivars		Days to 1st harvest from seed, slip	Harvest duration (days)
Beets	<u>Boldor</u>	84	63
Beets	<u>Pablo</u>	59	88



To join the Veggie Trials email list, contact
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