



UNIVERSITY OF ILLINOIS
EXTENSION

GROWING A NEW GENERATION
OF ILLINOIS FRUIT AND VEGETABLE FARMERS

SCHEDULING SUCCESSION PLANTINGS

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February 2015



Today's Objectives

- Learn basic concept of what succession plantings are and how they work.
- Learn how succession plantings fit into the big picture of a growing season.
- Review a basic spread sheet planting plan and how successions might fit into it.



What is a Succession Planting?

- Following one crop with another
 - Same crop, different spot, different times
 - Different crop, same spot, different time
 - Same crop, same spot, different maturity dates
- Essential for continuous harvest of some crops
 - Fast growing crops (leafy greens)



What about Intercropping?

- When fast growing crops (such as lettuce) are planted between rows in the same bed as a slower maturing crop (such as tomatoes).
- Lettuce is harvested before tomatoes require the space.
- Can be complicated to plan on a large scale.
- Done frequently in high tunnels and in home gardening settings





- Baby salad green successions in fall high tunnel



Image:

<http://yearroundveggiegardener.blogspot.com/2012/02/interplanting-fun.html>

- Lettuce interplanted with brassicas



Principles of Succession Planting

- Plant seeds every 1-2 weeks during your planting window for veggie types that have a short harvest window.
 - beets, carrots, radishes, other root crops, lettuce, cucumber, summer squash, and bush beans
- Plant transplants and seeds of the same vegetable at the same time.
 - Beets in multiblocks would be a good example of this, coupled with a simultaneous direct seeding of beets.







- Beet transplants at 3 rows/36" wide bed and 6" in row spacing.
- DS other beets at the time of transplanting





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Crop	Direct Seed	Greenhouse	Succession
Arugula	Mar 1 - Sep 15		Every 2 weeks
Basil		Mar 15 - May 15	Once
Beans	May 1 - Jul 1		Every 3 weeks
Beets	Mar 1 - Sep 1		Every 3 weeks
Bok Choi	Apr 1 - Sep 1	Mar 1 - Sep 1	Every 2 weeks
Broccoli		Feb 15 - Aug 15	Every 3 weeks
Brussels sprouts		Apr 1 - Jun 1	Once
Cabbage		Feb 15 - Aug 15	Every 4 weeks
Carrots	Mar 15 - Sep 1		Every 4 weeks
Cauliflower		Feb 15 - Aug 15	Every 3 weeks
Chinese cabbage		Feb 15 - Aug 15	Every 3 weeks
Cilantro	May 1 - Sep 1		Every 2 weeks
Corn	Jun 1 - Jul 1	May 1 - Jun 1	Every 2 weeks
Dill	May 1 - Jul 1		Once
Eggplant		Apr 1 - May 1	Once, vary day length
Fava beans	Oct 1 - Nov 1, Feb 1 - Mar 1		Once during each window
Fennel - Bulb		Mar 1 - Aug 15	Every 3 weeks
Garlic	cloves: Oct 15 - Nov 15		Once
Kale/Collards	Apr 1 - Sep 1	Feb 15 - Sep 1	Once
Kohlrabi		Feb 15 - Sep 1	Every 3 weeks
Leeks		Feb 1 - Mar 15	Once
Lettuce	Apr 1 - Sep 1	Mar 1 - Sep 1	Every 3 weeks
Melon	May 1 - Jul 1	Apr 1 - May 1	Once
Onions		Feb 1 - Mar 15	Once
Parsley	Apr 1 - Sep 1	Mar 1 - Aug 15	Twice during the window
Peas	Feb 15 - Apr 15, Aug 1 - Sep 1		Twice during each window
Pepper		Apr 1 - May 1	Once, vary day length
Potatoes	Mar 15 - May 1		Once, vary day length
Radish	Mar 15 - Sep 15		Every 2 weeks
Rhubabaga	Mar 15 - Aug 1		Every 4 weeks
Scallions		Feb 1 - Aug 15	Every 3 weeks
Spinach	Mar 1 - Sep 15		Every 3 weeks
Summer Squash/Zucchini	May 1 - Jul 1	Apr 1 - May 1	Twice during the window
Swiss Chard	Apr 1 - Sep 1		Once
Tomatillo		Mar 15 - Apr 15	Once, vary day length
Tomato		Mar 15 - Apr 15	Once, vary day length
Turnip	Mar 15 - Aug 1		Every 4 weeks
Winter Squash/Pumpkin	May 1 - Jul 1	Apr 1 - May 1	Once



Principles of Succession Planting

- Plant early, mid and late ripening varieties at the same time.
 - Sweet Gold Bantam (79 days) , a dent corn like Hickory King Yellow (90 days), and the popcorn Pennsylvania Dutch Butter Flavored (102 days) at the same time! Three varieties with different uses, ripening in succession.
- Follow short season vegetables with long season ones.
 - For example, follow lettuce or radishes with tomatoes





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Image:

<http://yearroundveggiegardener.blogspot.com/2012/02/interplanting-fun.html>

- Radishes planted with carrots
- Radishes will be harvested before carrots mature



Principles of Succession Planting

- Do not plant vegetables from the same family in succession
 - For example: follow Broccoli with Beans and not another Brassica
- Use heat tolerant varieties in the spring to extend them into the warmer months.
 - Not as big of an issue in fall



Provide an Even Supply

- Avoid planting too much or too little
- Fill space gaps in beds/fields
- Some crops don't need to be planted more than once
 - e.g. Indeterminate tomatoes
- Some need several plantings for continuous supply
 - Lettuce, carrots, radishes, etc.



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Provide an Even Supply

- Length of time from sowing to harvest varies according to temperature (and sometimes day length)
 - Cauliflower does not complete head formation until after day length shortens
- Keep Records and use information from other growers to fine tune planting dates

Which succession strategy is best for your farm?

- Rough Plan: “Every 10 days, 2 weeks, etc.”
- “No paperwork” method
- Sow several varieties on the same day or different season
- Plan first and last sowings, then fill in the rest
- Plan a sequence of sowings using a table and graphs
- Growing Degree Days

Adapted from:

Succession planting for continuous vegetable harvests 2013 Pam Dawling,
<http://www.slideshare.net/SustainableMarketFarming/succession-planting-for-continuous-vegetable-harvests-2013-pam-dawling-26037044>



Rough Plan

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Broccoli		Feb 15 - Aug 15	Every 3 weeks
Brussels sprouts		Apr 1 - Jun 1	Once
Cabbage		Feb 15 - Aug 15	Every 4 weeks
Carrots	Mar 15 - Sep 1		Every 4 weeks
Cauliflower		Feb 15 - Aug 15	Every 3 weeks
Chinese cabbage		Feb 15 - Aug 15	Every 3 weeks
Cilantro	May 1 - Sep 1		Every 2 weeks
Corn	Jun 1 - Jul 1	May 1 - Jun 1	Every 2 weeks
Dill	May 1 - Jul 1		Once
Eggplant		Apr 1 - May 1	Once, vary day length
Fava beans	Oct 1 - Nov 1, Feb 1 - Mar 1		Once during each window
Fennel - Bulb		Mar 1 - Aug 15	Every 3 weeks
Garlic	cloves: Oct 15 - Nov 15		Once
Kale/Collards	Apr 1 - Sep 1	Feb 15 - Sep 1	Once
Kohlrabi		Feb 15 - Sep 1	Every 3 weeks
Leeks		Feb 1 - Mar 15	Once
Lettuce	Apr 1 - Sep 1	Mar 1 - Sep 1	Every 3 weeks
Melon	May 1 - Jul 1	Apr 1 - May 1	Once
Onions		Feb 1 - Mar 15	Once
Parsley	Apr 1 - Sep 1	Mar 1 - Aug 15	Twice during the window
Peas	Feb 15 - Apr 15, Aug 1 - Sep 1		Twice during each window
Pepper		Apr 1 - May 1	Once, vary day length
Potatoes	Mar 15 - May 1		Once, vary day length
Radish	Mar 15 - Sep 15		Every 2 weeks
Rhubarb	Mar 15 - Aug 1		Every 4 weeks
Scallions		Feb 1 - Aug 15	Every 3 weeks
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Tomatillo		Mar 15 - Apr 15	Once, vary day length
Tomato		Mar 15 - Apr 15	Once, vary day length
Turnip	Mar 15 - Aug 1		Every 4 weeks
Winter Squash/Pumpkin	May 1 - Jul 1	Apr 1 - May 1	Once



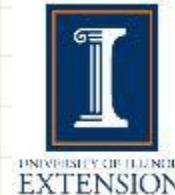
“No Paperwork” Methods

- Sow another planting of sweet corn when the previous crop is 1"-2"
- Sow more lettuce when the previous crop germinates
- Sow more beans when the young plants start to straighten up from the “hooked stage”

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Sow several varieties on the same day or in different seasons

- Same Day
 - Sweet Corn Example:
 - Trinity 65 Days
 - Luscious 75 Days
 - Montauk 81 Days
- Different Season
 - Johnny's Selected Seeds "Planting Programs"
 - Lettuce
 - Different sets of varieties for Spring, Summer, and Fall



Plan first and last sowings, and fill in the rest

- Figure out 1st spring planting date
 - As soon as possible in spring for some crops
 - Others depend on last frost date
 - Don't plant too early
- Last Worthwhile Planting Date
 - Use Johnny's Calculator for this
- Count backwards from 1st Frost
 - Add 14 days for slow fall growth
 - Add 14 days for frost sensitive crops
 - Unless using season extenders

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Enter Fall Frost Date: (include the year)	Oct 15, 2013											
Variety	Days to Maturity	Interval Between Successions (days)	1st Planting	2nd Planting	3rd Planting	4th Planting	5th Planting	6th Planting	7th Planting	8th Planting		Final Planting Date*
Beans	55	10	05/01/13	05/11/13	05/21/13	05/31/13	06/10/13	06/20/13	06/30/13	07/10/13		08/07/13
Beets	50	14	05/01/13	05/15/13	05/29/13	06/12/13	06/26/13	07/10/13	07/24/13	08/07/13		08/12/13
Cucumbers	60	21	05/01/13	05/22/13	06/12/13	07/03/13	07/24/13	08/14/13	09/04/13	09/25/13		08/02/13
Kale/Collard	60	21	05/01/13	05/22/13	06/12/13	07/03/13	07/24/13	08/14/13	09/04/13	09/25/13		09/15/13
Lettuce, Full-size	55	14	05/01/13	05/15/13	05/29/13	06/12/13	06/26/13	07/10/13	07/24/13	08/07/13		08/21/13
Lettuce, Salad Mix	28	7	05/01/13	05/08/13	05/15/13	05/22/13	05/29/13	06/05/13	06/12/13	06/19/13		09/17/13
Melons	70	21	05/01/13	05/22/13	06/12/13	07/03/13	07/24/13	08/14/13	09/04/13	09/25/13		07/23/13
Radish	26	7	05/01/13	05/08/13	05/15/13	05/22/13	05/29/13	06/05/13	06/12/13	06/19/13		09/19/13
Spinach	40	7	05/01/13	05/08/13	05/15/13	05/22/13	05/29/13	06/05/13	06/12/13	06/19/13		10/05/13
Summer Squash	48	42	05/01/13	06/12/13	07/24/13	09/04/13	10/16/13	11/27/13	01/08/14	02/19/14		08/28/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
Basil, Genovese	68	14	05/01/13	05/15/13	05/29/13	06/12/13	06/26/13	07/10/13	07/24/13	08/07/13		07/25/13
Cilantro, Caribe	50	14	05/01/13	05/15/13	05/29/13	06/12/13	06/26/13	07/10/13	07/24/13	08/07/13		08/26/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
			05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13	05/01/13		10/15/13
Frosted Explosion	84	21	05/01/13	05/22/13	06/12/13	07/03/13	07/24/13	08/14/13	09/04/13	09/25/13		07/09/13
Zinnia, Benary's Giant	75	21	05/01/13	05/22/13	06/12/13	07/03/13	07/24/13	08/14/13	09/04/13	09/25/13		07/11/13

How to modify this spreadsheet for your own crops:

1. Enter your First Fall Frost Date in the dark green box at the top.
2. Enter the Varieties you're planting in Column B, then enter Days to Maturity (from your own records or from the catalog) in Column C.
3. Enter the Interval Between Successions, ie, the number of days you want to wait between succession plantings, in Column D. (Or leave it as is, for our recommended frequency.)
4. Enter the actual date of your first planting for each crop.
5. The formulas are embedded, so the dates of all subsequent plantings will display in Columns F-L. If the Final Planting Date is earlier than any of the dates in these columns, ignore them and pay attention to Column M.

*Note: The Final Planting Date that displays in Column M is the last date you can plant and expect to get a harvest if you are growing outside in the field, without using row cover or other season extension methods. If you do use season extension methods, your final planting date may be several weeks to a month later. You will still need to use your own judgement about whether you can get a crop if you plant after the time a crop needs to reach maturity is affected by your latitude, weather, and other local factors that cannot be calculated here.



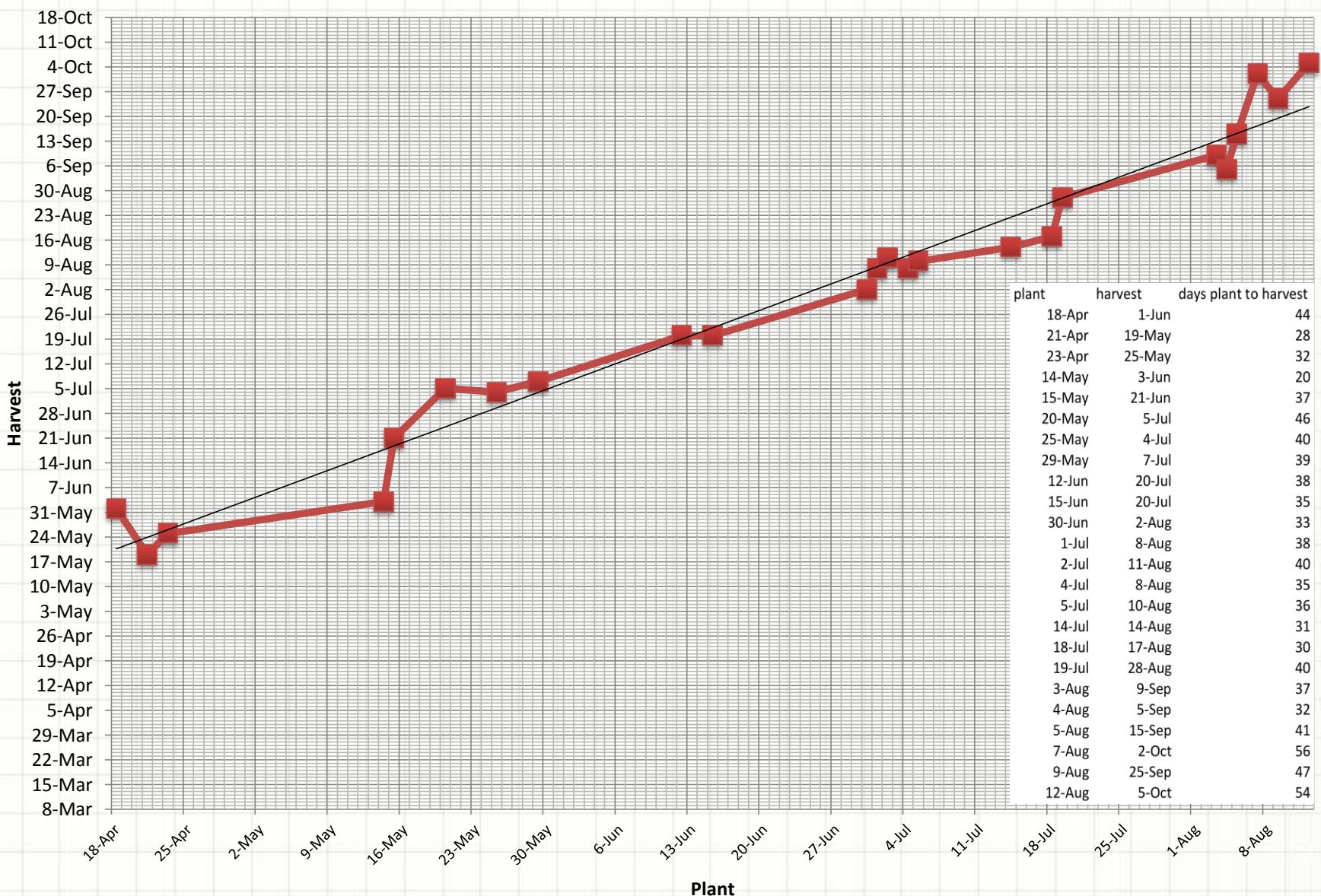
Custom Succession Plan from Records

- Collect 3 pieces of information for each crop over several years:
 - Sowing Date
 - Date of first Harvest
 - Date of last worthwhile harvest
- Plot a graph for each crop with y axis as harvest date and x axis as planting date
- Find first plant date and corresponding harvest date
- Find last worthwhile harvest date

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Custom Succession Plan from Records

- Divide the harvest period into whole number segments according to how often you need to plant for a continuous harvest
- Summer Squash Example:
 - Subtract first harvest date from start of the last harvest period
 - e.g. May 19-Sep24=128 days
 - Divide into a whole # segment
 - $128/4=32$ day interval
 - Add last harvest period to (30 days to last frost)

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Custom Succession Plan from Records

- 158 total days of total harvesting
- Those four intervals = 5 plantings
- P-I-P-I-P-I-P-I-frost
- Harvest Dates=
 - 5/19, 6/20, 7/22, 8/23, and 9/24
- Use Graph to find planting dates
 - 4/15, 5/16, 6/15, 7/15, and 8/14
- Intervals are about 30 days each

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Growing Degree Days

- A measure of heat accumulation
- Used for insect management and Sweet Corn successions
- Could be used to schedule planting dates for succession sowing
- They reflect actual conditions
- Use a “base temperature” 50°F common
 - Each day above that threshold growing degrees accumulate
 - Average of Max and Min temp. – base temp= GDD

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Simplified Big Picture

- Start with major crop categories
- Look for space within your rotational plan to fit in more successions
 - Maybe of minor crops
 - Or divide up the major crops into small succession categories within their respective planting seasons



Crop	bed feet needed	DS/TP	200' Beds	Cells/Tray	# Trays	G.H. Seeding Date	Days Seed to TP	Move to Hardening Off Date	Field Plant Date	Days Plting to Mat	First harvest date
Spinach, early	27	DS	0.13						21-Mar	40	30-Apr
Asian Greens, early	17	TP	0.08	128	0.50	6-Mar	30	29-Mar	5-Apr	45	20-May
Beets, early	24	DS	0.12						5-Apr	50	25-May
Chard, early	7	TP	0.03	128	0.50	1-Mar	35	29-Mar	5-Apr	30	5-May
Kale, early	58	TP	0.29	128	0.75	6-Mar	30	29-Mar	5-Apr	60	4-Jun
Kohlrabi, early	17	TP	0.08	128	0.75	6-Mar	30	29-Mar	5-Apr	30	5-May
Peas	150	DS	0.75						5-Apr	62	6-Jun
Radish, early	30	DS	0.15						5-Apr	21	26-Apr
BSG's , early	83	DS	0.42						7-Apr	30	7-May
Lettuce, early	37	TP	0.18	128	1.00	8-Mar	30	31-Mar	7-Apr	45	22-May
Beets, early	95	TP	0.48	48	12.00	13-Mar	28	3-Apr	10-Apr	34	14-May
Carrots, early	222	DS	1.11						10-Apr	60	9-Jun
Parsnips	18	DS	0.09						10-Apr	120	8-Aug
Broccoli, early	50	TP	0.25	128	0.75	12-Mar	30		11-Apr	60	10-Jun
Cabb, early	58	TP	0.29	128	0.75	12-Mar	30		11-Apr	60	10-Jun
Cauliflower, early	30	TP	0.15	128	0.50	12-Mar	30		11-Apr	60	10-Jun
Leeks	38	TP	0.19	128	1.75	14-Feb	60		8-Apr	90	14-Jul
Onion, storage	40	TP	0.20	128	1.00	14-Feb	60		8-Apr	90	14-Jul
Onion, sweet	13	TP	0.07	128	0.50	14-Feb	60		8-Apr	90	14-Jul
Potato	360	DS	1.80						15-Apr	60	14-Jun
Scallion, early	25	TP	0.13	128	1.25	1-Mar	45		15-Apr	60	14-Jun
Shallots	3	TP	0.02	128	0.25	1-Mar	45		15-Apr	90	14-Jul
Parsley	5	TP	0.02	128	0.25	25-Feb	49		15-Apr	45	30-May
Corn, sweet 1 (2 var)	75	TP	0.38	38	1.00	17-Apr	14		24-Apr	1-May	52
Beans, bush 1	25	DS	0.13						8-May	50	22-Jun
Chin Cabb, early	17	TP	0.08	128	0.50	11-Apr	30		11-May	50	30-Jun
Basil, leaf	88	TP	0.44	128	4.25	3-Apr	42		8-May	30	14-Jun
Corn, sweet 2 (2 var)	150	TP	0.75	38	2.00	1-May	14		8-May	60	14-Jul
Cucumber, early	90	TP	0.45	21	2.25	1-May	14		8-May	50	4-Jul
Eggplant	351	TP	1.76	38	6.00	3-Apr	42		8-May	60	14-Jul
Peppers, sweet	540	TP	2.70	38	14.25	27-Mar	49		8-May	64	18-Jul
Peppers, hot	240	TP	1.20	38	6.50	27-Mar	49		8-May	60	14-Jul
Tomato, cherry (CSA u-pick garden)	136	TP	0.68	38	2.00	10-Apr	35		8-May	60	14-Jul
Tomato, (main, paste, and Heirloom)	397	TP	1.98	38	5.25	10-Apr	35		8-May	62	16-Jul
Tomato, truss (CSA u-pick garden)	60	TP	0.30	38	1.00	10-Apr	35		8-May	60	14-Jul
Melons, early	100	TP	0.50	21	1.75	2-May	14		9-May	75	30-Jul
Watermelons, early	171	TP	0.86	21	2.75	25-Apr	21		9-May	80	4-Aug
Squash, sum, early	28	TP	0.14	21	0.75	26-Apr	21		10-May	35	21-Jun
Squash, win, grp1 Hub&Kuri	4	TP	0.02	21	0.25	27-Apr	21		11-May	85	11-Aug
Squash, win, grp4 Delicata	5	TP	0.03	21	0.25	27-Apr	21		11-May	100	26-Aug
Beans, bush 2	25	DS	0.13						22-May	50	11-Jul
Celeriac	21	TP	0.10	128	0.50	6-Mar	80		25-May	95	28-Aug
Celery	20	TP	0.10	128	0.50	6-Mar	80		25-May	80	13-Aug
Squash, win, grp2 B-cup, Kobocho, Spag	8	TP	0.04	21	0.25	10-May	21		31-May	80	19-Aug
Squash, win, grp3 B-Nut, Acron	32	TP	0.16	21	0.75	10-May	21		31-May	90	29-Aug
Corn, flint	50	TP	0.25	38	0.75	18-May	14		1-Jun	86	26-Aug
Corn, popcorn	150	TP	0.75	38	2.00	18-May	14		1-Jun	86	26-Aug
Corn, sweet 3 (3 var)	75	TP	0.38	38	1.00	18-May	14		1-Jun	66	6-Aug
Cucumber, mid	90	TP	0.45	21	2.25	18-May	14		1-Jun	60	31-Jul
Sweet potatoes	45	TP	0.23			2-May	30		1-Jun	90	30-Aug
Edamame	50	DS	0.25						1-Jun	90	30-Aug
Melons, late	100	TP	0.50	21	1.75	3-May	30		26-May	85	26-Aug
Beans, bush 3	25	DS	0.13						5-Jun	50	25-Jul
Squash, sum, mid	28	TP	0.14	21	0.75	17-May	21		7-Jun	35	12-Jul
Watermelons, late	43	TP	0.21	21	0.75	17-May	21		7-Jun	80	26-Aug
Cucumber, late	90	TP	0.45	21	2.25	31-May	14		7-Jun	60	13-Aug
Pumpkin	17	TP	0.08	21	0.50	31-May	21		14-Jun	90	19-Sep
Beans, pole	27	DS	0.13						25-Jun	60	24-Aug
Br. sprouts	50	TP	0.25	128	0.75	1-Jun	30		1-Jul	105	14-Oct
Broccoli, late	50	TP	0.25	128	0.75	1-Jun	30		1-Jul	63	2-Sep
Cabb, late	58	TP	0.29	128	0.75	1-Jun	30		1-Jul	85	24-Sep
Cauliflower, late	30	TP	0.15	128	0.50	1-Jun	30		1-Jul	63	2-Sep
Collards	27	TP	0.13	128	0.25	1-Jun	30		1-Jul	46	16-Aug
Kohlrabi, late	17	TP	0.08	128	0.75	25-Jun	30		24-Jun	66	5-Sep
Rutabaga/Turnip	13	DS	0.07						1-Jul	90	29-Sep
Beets, late/storage	95	TP	0.48	48	12.00	8-Jun	28		29-Jun	34	9-Aug
Beets, late/storage	24	DS	0.12						6-Jul	50	25-Aug
Carrots, late	222	DS	1.11						6-Jul	60	4-Sep
Carrots, storage	121	DS	0.61						6-Jul	60	4-Sep
Chard, late	7	TP	0.03	128	0.50	1-Jun	35		29-Jun	6-Jul	60
Chin Cabb, late	17	TP	0.08	128	0.25	6-Jun	30		29-Jun	6-Jul	50
Squash, sum, late	21	TP	0.11	21	0.75	15-Jun	21		29-Jun	6-Jul	35
Kale, late	58	TP	0.29	128	0.75	25-Jun	30		18-Jul	25-Jul	46
Asian Greens, late	17	TP	0.08	128	0.50	26-Jun	30		19-Jul	26-Jul	45
Radish, Daikon	10	DS	0.05						1-Aug	55	
Scallion, late	25	TP	0.13	128	1.25	17-Jun	45		25-Jul	1-Aug	60
Spinach, late	27	DS	0.13						8-Aug	40	
BSG's, late	83	DS	0.42						15-Aug	30	
Lettuce, late	51	TP	0.26	128	1.25	16-Jul	30		15-Aug	45	
Turnip, early and late	43	DS	0.21						15-Aug	60	
Radish, late	30	DS	0.15						1-Sep	21	



Hoophouse Cultivar and Scheduling Examples

From the Michigan State University Student Organic Farm

Crop	Cultivar*	Direct Seed (DS) or Transplant (TP)	Seed Date**	Calender Week	Scheduled Transplant Date**	Week of the Year
SPRING						
Asian Greens***	Various	TP	14-Jan	3	11-Feb	7
Baby Salad****	Various-Fast and Slow	DS	1-Feb	5	-	-
Beets	Golden, Ace	DS	1-Feb	5	-	-
Carrots	Sugarsnax, Napoli	DS	1-Feb	5	-	-
Chard	Bright Lights	TP	14-Jan	2	11-Feb	6
Cilantro	Santo	DS	1-Feb	5	-	-
Collards	Flash	TP	14-Jan	2	11-Feb	6
Cucumber	Diva	TP	27-Mar	12	1-May	17
Eggplant	Orient Express, Nadia	TP	1-Mar	9	1-May	17
Kale	Red Russian, Toscano, Winterbor	TP	14-Jan	2	11-Feb	6
Lettuces	Aruba, Ermosa, Various	TP	14-Jan	2	11-Feb	6
Pepper	Ace, Carmen	TP	21-Feb	7	15-Apr	15
Raddichio	Indigo	TP	14-Jan	2	11-Feb	6
Radish	Easter Egg, D'avignon, Cheriette	DS	1-Feb	5	-	-
Scallions	Evergreen Hardy White	DS	1-Feb	5	-	-
Spinach	Space, Tyee, Renegade	DS/TP	14-Jan	2	11-Feb	6
Summer Squash	Zephyr	TP	13-Mar	10	15-Apr	15
Tomato	Big Beef, Celebrity, Various	TP	21-Feb	7	15-Apr	15
Turnips	Hakurei, Scarlet Queen	DS	1-Feb	5	-	-
Zucchini	Sultan	TP	13-Mar	10	15-Apr	15
FALL/WINTER						
Baby Salad***	Various	DS	27-Aug to 1-Oct	34-39	-	-
Beet	Ace, Golden	DS	8-Aug to 15-Sept	31-37	-	-
Carrots	Sugar Snax, Napoli	DS	6-Aug	31	-	-
Choi	Various	TP	24-Jul to 7-Aug	29-31	20-Aug to 7-Sept	33-36
Cilantro	Santo	DS	4-Sept to 20-Sept	35-38	-	-
Collards	Flash	TP	24-Jul to 7-Aug	29-31	20-Aug to 7-Sept	33-36
Kale	Red Russian, Toscano, Winterbor	TP	24-Jul to 7-Aug	29-31	20-Aug to 7-Sept	33-36
Lettuce	Aruba, Ermosa, Winter Density	TP	13-Aug	33	18-Sep	38
Radish	Easter Egg, D'avignon, Cheriette	DS	1-Sept to 30-Sept	35-39	-	-
Scallion	Evergreen Hardy White	DS/TP	6-Aug	31	-	-
Spinach	Space, Tyee, Renegade	DS/TP	20-Aug to 15-Oct	33-41	18-Sept to 15-Oct	37-41
Swiss Chard	Bright Lights	TP	24-Jul to 7-Aug	29-31	20-Aug to 7-Sept	33-36
Turnip	Hakurei, Scarlett Queen	DS	13-Aug to 15 Sept	32-37	-	-



Summary

- Succession plantings allow for a continuous supply of produce throughout the season
- Start Simple with major crop plantings
- Then fill in gaps and potential shortages
- Keep records of greenhouse seeding, planting dates, and harvest dates to fine tune future successions



Resources

- ATTRA Scheduling Vegetable Plantings for a Continuous Harvest
 - <https://attra.ncat.org/attra-pub/summaries/summary.php?pub=20>
- Knotts Handbook for Vegetable Growers
- <http://www.growingformarket.com/articles/Try-Succession-Planting>
 - Suggested succession intervals
- <http://www.hightmowingseeds.com/SB-Succession-Planting-Planning.html>
 - Suggested succession intervals



Resources

- http://www.johnnyseeds.com/t-succession_planting_overview.aspx?source=W_GrowersLibVegIndex_122013
 - Johnny's growers library has lots of info on succession planting and lettuce planting programs.
- <http://hoophouse.msu.edu/index.php?q=blog>
 - Resource section has high tunnel crop schedules with planting intervals
- <http://www.slideshare.net/SustainableMarketFarming/succession-planting-for-continuous-vegetable-harvests-2013-pam-dawling-26037044>
 - Slide set that illustrates some complex succession techniques
- <http://www.agsquared.com/>
 - Cloud based farm planning software that integrates succession plantings.



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