GROWING VEGETABLES IN THE GREENHOUSE

- excerpted from the book "Greenhouse Gardener's Companion," by Shane Smith © 2000-2013

A vegetable production schedule is not as critical if your greenhouse has supplementary heat and a good ventilation system, and if you are able and willing to control the temperature to a consistent 70° F (21° C) during the day and 60° (15° C) at night. If this is the case for your greenhouse, greenhouse climate can accommodate the vegetable crop and you can grow most any vegetable any time of the year.

Many people must run their greenhouse or sunspace at cooler temperatures in winter, usually to save energy costs, while those with solar-heated greenhouses are at the mercy of the natural temperatures that their structure creates. In these situations you must fit the type of vegetable crop into the climate rather than fitting the climate to the plant. The following schedules can simplify the selection process for what will do best at what time of year, given these more challenging different night temperatures.

The following two schedules are designed for the timing of optimum growth and harvest of many different vegetable crops. I encourage you to fine-tune these schedules for your own particular circumstances. Of course you don't have to follow this schedule but chances are you may notice a drop in both the performance and yield if you vary too far, unless your greenhouse is supplementary heated. One schedule is for a warmer greenhouse and one is for a cooler greenhouse.

Planting Growing and Harvesting (P, G, H) Schedule

The following schedules are coded like this: P designates a possible month to plant the crop. G indicates good months to be growing the crop toward maturity. H means the crop, if grown to maturity, could be harvested during these months. There are many variables involved in growing vegetables in a greenhouse that make it difficult to be totally accurate. But this general guide should help you in much of your planning.

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Warm Greenhouse Vegetable Schedule

This chart applies to greenhouses that run winter night temperatures above 45° F (7° C) and to solar greenhouses that are in a climate that receives a winter monthly average of 45° percent or more of possible sunshine as listed by your closest National Weather Service office (see Average Percentage of Sunshine for Selected Locations - visit this \underline{link}).

Crop	June	July

Beans, fava H Beans, lima PG PGH Beans, pole PGH PGH Beets H Broccoli Brussels sprouts Cabbage PGH PGH Cautaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PG PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH PAGH PAGH PAGH PAGH PAGH PAGH PAGH P	Boane buch	PGH	PGH
Beans, lima Beans, pole Beans, pole Beets H Broccoli Brussels sprouts Cabbage Cantaloupe PG Carrots PGH PGH Cauliflower Collards Cucumber PGH PGH PGH PGH Carlic PGH PGH PGH Carlic PGH	Beans, bush		1 G11
Beans, pole Beets H Broccoli Brussels sprouts Cabbage Cantaloupe PG Carrots PGH PGH Cauliflower Collards Cucumber PG FGH PGH PGH Eggplant PG FGH PGH FGH Carlic FGH PGH FGH FGH FGH FGH FGH FGH FGH FGH FGH F			DOLL
Beets H Broccoli Brussels sprouts Cabbage Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PG PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Pass Peppers PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter Squash, winter Squash, winter Squash, winter Squash, winter Squash, winter Squash, PGH			
Broccoli Brussels sprouts Cabbage Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra Onions, bulbs Onions, greens PGH			PGH
Brussels sprouts Cabbage Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi Lettuce Okra PGH PGH Onions, bulbs Onions, greens PGH		Н	
sprouts Cabbage Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG PGH Garlic Rohlrabi Lettuce Okra Onions, bulbs Onions, greens PGH			
Cabbage Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG Onions, bulbs GH Cunions, greens PGH	Brussels		
Cantaloupe PG GH Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce FGH PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Pas Peppers PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH			
Carrots PGH PGH Cauliflower Collards GH Cucumber PGH PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce UH Onions, bulbs GH GH Parsley PGH PGH PGH PAGH PAGH PAGH PAGH PAGH PAGH PA	Cabbage		
Cauliflower Collards GH Cucumber PGH PGH Eggplant PG Garlic PGH Kale Kohlrabi Lettuce Okra PGH PGH Onions, bulbs Onions, greens PGH	Cantaloupe	PG	GH
Collards Cucumber PGH PGH Eggplant PG Garlic PGH PGH Kale Kohlrabi Lettuce Okra PGH PGH Onions, bulbs Onions, greens PGH	Carrots	PGH	PGH
Cucumber PGH PGH Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Peas PGH PGH Radish Spinach Spinach PGH PGH Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH PGH PGH PGH FGH FGH FGH FGH FGH FGH FGH FGH FGH F	Cauliflower		
Eggplant PG PGH Garlic PGH PGH Kale Kohlrabi GH Lettuce	Collards	GH	
Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Peas Peppers PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH FGH SMISS PGH PGH FGH Tomatoes	Cucumber	PGH	PGH
Garlic PGH PGH Kale Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Peas Peppers PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH FGH CH Selection CH Selectio	Eggplant	PG	PGH
Kohlrabi GH Lettuce Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Peas PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH Color Co		PGH	PGH
Lettuce Okra Okra PG PGH Onions, bulbs GH Onions, greens PGH PGH Parsley PGH Peas Peppers PGH Radish Spinach Spinach Squash, Squash, summer Squash, winter Squash, winter Squash, winter Squash PGH Swiss chard PGH	Kale		
Okra PG PGH Onions, bulbs GH GH Onions, greens PGH PGH Parsley PGH PGH Peas Peppers PGH PGH Radish Spinach Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH TGH Onions, bulbs PGH PGH PGH SH Onions, bulbs PGH PGH PGH FGH FGH FGH FGH FGH FGH FGH FGH FGH	Kohlrabi	GH	
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Onions, greensPGHPGHParsleyPGHPGHPeasPGHPGHPeppersPGHPGHRadishSpinachPGHSpinach, New ZealandPGHPGHSquash, summerPGHGHSquash, winterGHGHSwiss chardPGHPGHTomatoesPGHPGH	Onions, bulbs	GH	
Parsley PGH PGH Peas Peppers PGH PGH Radish Spinach Spinach, New PGH PGH Zealand Squash, PGH GH summer Squash, winter GH GH Swiss chard PGH PGH Tomatoes PGH PGH			
Peas PGH PGH Radish Spinach Spinach, New PGH PGH Zealand Squash, Summer Squash, winter GH GH Swiss chard PGH PGH Tomatoes PGH PGH		PGH	PGH
Peppers PGH PGH Radish Spinach Spinach, New PGH PGH Zealand Squash, PGH GH summer Squash, winter GH GH Swiss chard PGH PGH Tomatoes PGH PGH			
Radish Spinach Spinach, New Zealand Squash, summer Squash, winter Squash, winter Squash PGH Swiss chard FGH FGH Tomatoes FGH FGH		PGH	PGH
Spinach, New Zealand Squash, summer Squash, winter GH GH Swiss chard PGH PGH Tomatoes PGH PGH			
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		PGH	PGH
	Tomatoes	PGH	PGH
I			
Watermelon PG GH		PG	GH

Cool Greenhouse Vegetable Schedule

This chart applies to greenhouses that run winter night temperatures below 45° F (7° C) and to solar greenhouses that are in a climate that receives a winter monthly average of less than 45 percent of possible sunshine as listed by your closest National Weather Service office (see Average Percentage of Sunshine for Selected Locations appendix).

Months

Crop	June	July
Beans, bush	PGH	PGH
Beans, fava	Н	
Beans, lima	PG	GH
Beans, pole	PGH	PGH
Beets		
Broccoli		
Brussels sprouts		
Cabbage	Н	
Cantaloupe	PG	GH
Carrots	PGH	PGH
Cauliflower		
Celery		
Collards	Н	
Cucumber	PGH	PGH
Eggplant	PG	PGH
Garlic	PGH	PGH
Kale		
Kohlrabi	Н	
Lettuce		
Okra	PG	PGH
Onions, bulbs	GH	GH
Onions, green	PGH	PGH
Parsley	PGH	PGH
Peas		
Peppers	PGH	PGH
Radish		
Spinach		
Spinach, New Zealand	PGH	PGH
Squash, summer	PGH	GH
Squash, winter	PGH	GH
Swiss chard	PGH	PGH
Tomatoes	PGH	PGH
Turnips		
Watermelon	PG	GH