

# Fruit and Vegetable Crop Guidelines

	N	Phosphorus (Olsen)					Potassium					Sulfur			Zinc			Boron		Copper							
		0-7	8-15	16-25	26-33	34-41	41-49	<40	41-80	81-120	121-160	161-200	>200	<6	7-14	15-30	>30	<0.3	0.3-0.6	0.6-1.0	1.0-2.0	<0.4	0.4-0.9	<0.3	0.3-0.5	0.5-0.8	
Apple (established)	50	100	75	50	25	0	0	200	150	100	50	0	0	30	25	15	0	10	8	5	2	2	2	1	3	2	1
Bean, garden	80	100	50	20	0	0	0	100	75	50	25	0	0	30	25	15	0	10	8	5	2	1	0	1	0	0	0
Beet, red garden	120	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	4	2	2	2	1	0
Cantaloupe, muskmelon	120	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	6	4	2	0	2	1	2	1	0	0
Cucumber	120	150	100	75	50	25	0	200	125	50	25	25	0	30	25	15	0	10	8	5	2	1	0	2	1	0	0
Flower	110	130	90	50	40	25	0	180	150	120	90	50	0	30	25	15	0	10	8	5	2	1	0	2	1	0	0
Garlic	140	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	10	6	4	2	0	2	1	2	1	0	0
Grape (new)	80	150	125	100	75	50	25	250	200	150	100	50	0	30	25	15	0	10	8	5	2	2	1	1	0	0	0
Herb	140	120	100	70	40	20	0	120	100	70	40	20	0	30	25	15	0	6	4	2	0	2	1	2	1	0	0
Horseradish	160	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	2	1	2	1	0	0
Horseradish OM>20	100	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	2	1	2	1	0	0
Kale (Florida)	140	150	100	75	50	25	0	200	150	100	75	50	0	35	30	25	15	6	4	2	0	2	1	2	1	0	0
Leek	150	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	2	1	0	0
Lettuce	140	150	100	75	50	25	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	3	2	1	1
Onion, green	100	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	3	2	1	0
Parsnip	140	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	6	4	2	0	2	1	2	1	0	0
Pepper, bell	160	150	100	75	50	25	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	2	1	0	0
Potato, sweet	80	120	100	80	40	0	0	120	100	80	40	0	0	30	25	15	0	6	4	2	0	1	0	2	1	0	0
Pumpkin	90	150	100	75	50	25	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	1	0	0	0
Radish	70	100	75	50	25	0	0	100	75	50	25	0	0	30	25	15	0	10	8	5	2	2	1	2	1	0	0
Radish, cover crop	40	40	30	10	0	0	0	50	35	25	0	0	0	15	10	0	0	4	2	0	0	1	0	1	0	0	0
Raspberry (established)	80	75	50	25	0	0	0	100	75	50	25	0	0	30	25	15	0	10	8	5	2	2	1	2	1	0	0
Raspberry (new)	80	100	75	50	25	0	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	2	1	2	1	0	0
Saskatoon, juneberry (established)	60	100	75	50	25	0	0	150	100	75	50	0	0	30	25	15	0	4	2	0	0	1	0	1	0	0	0
Saskatoon, juneberry	100	150	125	100	75	50	25	200	150	100	50	0	0	30	25	15	0	4	2	0	0	1	0	1	0	0	0
Spinach	120	250	200	150	100	50	0	250	200	150	100	50	0	30	25	15	0	10	8	5	2	2	1	3	2	0	0
Squash	90	150	100	75	50	25	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	1	0	0	0
Strawberry	100	150	125	100	75	50	25	200	150	100	50	25	0	35	30	25	15	10	8	5	2	2	1	3	2	0	0
Tomato	150	250	200	150	100	50	0	250	200	150	100	50	0	30	25	15	0	10	8	5	2	4	2	3	2	0	0
Tree	120	100	75	40	0	0	0	200	125	50	25	25	0	30	25	15	0	6	4	2	0	1	0	1	0	0	0
Turnip	80	100	75	50	25	0	0	100	75	50	25	0	0	30	25	15	0	6	4	2	0	1	0	2	1	0	0
Turnip, cover crop	45	40	30	10	0	0	0	50	35	25	0	0	0	15	10	0	0	4	2	0	0	1	0	1	0	0	1
Watermelon	120	200	150	100	75	50	25	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	1	0	0	0
Zucchini	90	150	100	75	50	25	0	200	150	100	75	50	0	30	25	15	0	10	8	5	2	1	0	1	0	0	1

Fertilizer guideline rates in lb/acre.  
Nitrogen guideline based on 2-ft soil depth. See nitrogen adjustments if nitrogen was not analyzed or only 0-6 inch depth analyzed.