

Table B-9. Sufficiency Ranges for Fresh Petiole Sap Concentrations in Vegetable Crops

Crop	Stage of Growth	Concentration (ppm)		Crop	Stage of Growth	Concentration (ppm)	
		K	NO ₃ -N			K	NO ₃ -N
Cucumber	First blossom	N/A	800-1000	Potato	Plants 8 in. tall	4500-5000	1200-1400
	Fruit (3 in.)	N/A	600-800		First open flowers	4500-5000	1000-1400
	First harvest	N/A	400-600		50% flowers open	4000-4500	1000-1200
Broccoli	Six-leaf stage	N/A	800-1000		100% flowers open	3500-4000	900-1200
	Just prior to harvest	N/A	500-800		Tops falling over	2500-3000	600-900
	At first harvest	N/A	300-500	Squash	First blossom	N/A	900-1000
Eggplant	First fruit (2 in)	4500-5000	1200-1600		First harvest	N/A	800-900
	First harvest	4000-5000	1000-1200	Tomato (Field)	First buds	3500-4000	1000-1200
	Mid harvest	3500-4000	600-800		First open flowers	3500-4000	600-800
Muskmelon (Cantaloupe)	First blossom	4000-5000	1000-1200		Fruit (1 in. diameter)	3000-3500	400-600
	Fruit (2 in.)	3500-4000	800-1000		Fruit (2 in. diameter)	3000-3500	400-600
	First harvest	3000-3500	700-800		First harvest	2500-3000	300-400
Pepper	First flower buds	3200-3500	1400-1600		Second harvest	2000-2500	200-400
	First open flowers	3000-3200	1400-1600	Watermelon	Vines (6 in. long)	4000-5000	1200-1500
	Fruit half-grown	3000-3200	1200-1400		Fruit (2 in. long)	4000-5000	1000-1200
	First harvest	2400-3000	800-1000		Fruit (half mature)	3500-4000	800-1000
	Second harvest	2000-2400	500-800		At first harvest	3000-3500	600-800