

Indicate "other" for stage of growth or plant part if your sample does not match a selection below. Sufficiency range interpretations and recommendations are not available for "other" stages of growth or plant parts.

Field Crops		Stage of Growth		Plant Part Sampled	No. of Plants
Alfalfa	1	Bud to first flower	A	Top 6 inches	30-40
Alfalfa hay	2	Harvest	B	Whole plant	15-20
Barley	12	Prior to heading	L	Newest fully developed leaf	30-40
Beans, dry lima	8	Prior to initial flowering	H	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	20-25
Beans, snap	8	Prior to initial flowering	H	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	20-25
Beans, soy	8	Prior to initial flowering	H	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	20-25
Birdsfoot trefoil	1	Bud to first flower	A	Top 6 inches	30-40
Brome grass	12	Prior to heading	L	Newest fully developed leaf	30-40
Canary grass	12	Prior to heading	L	Newest fully developed leaf	30-40
Clover, red	1	Bud to first flower	A	Top 6 inches	30-40
Clover, red hay	2	Harvest	B	Whole plant	15-20
Crown vetch	1	Bud to first flower	A	Top 6 inches	30-40
Corn, field	3	12 inches	C	Whole plant	10-15
	4	Pre-tassel	D	Leaf below whorl	15-20
	5	Tassel to silk	E	Ear leaf	15-20
	6	Ensiled/chopped	F	Whole plant	10-15
Corn, sweet	7	Tassel to silk	G	Ear leaf	15-20
Oats	12	Prior to heading	L	Newest fully developed leaf	30-40
Orchard grass	12	Prior to heading	L	Newest fully developed leaf	30-40
Peas, canning	8	Prior to or at initial flowering	H	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	20-25
Peas, chick	8	Prior to or at initial flowering	H	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	20-25
Potato	8	Prior to or at initial flowering	I	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	40-50
	10	Tuber bulking	J	4 <sup>th</sup> petiole and leaflet or 4 <sup>th</sup> petiole only	40-50
Rye	12	Prior to heading	L	Newest fully developed leaf	30-40
Sorghum, grain	13	Prior to heading	M	2 <sup>nd</sup> fully developed leaf	15-20
Sorghum, sudan	12	Prior to heading	N	Newest fully developed leaf	15-20
Triticale	12	Prior to heading	L	Newest fully developed leaf	30-40
Wheat	11	Tillering	K	Newest fully developed leaf	30-40
Wheat	12	Prior to heading	L	Newest fully developed leaf	30-40

Fruits		Stage of Growth		Plant Part Sampled	No. of Plants
Apple	15	Current season's shoots	O	Fully developed leaf at midpoint of new shoots	10-20
Cherry	15	Current season's shoots	O	Fully developed leaf at midpoint of new shoots	10-20
Cranberry	18	Aug 15 to Sept 15	R	Current season's growth above berries	35-50
Raspberry	17	Aug 10 to Sept 4	Q	6 <sup>th</sup> & 12 <sup>th</sup> leaf blade and petiole from trifoliolate	10-20
Strawberry	16	At renovation before mowing	P	Fully developed leaflets and petioles	10-20

Vegetables		Stage of Growth		Plant Part Sampled	No. of Plants
Cabbage	22	Midseason	V	Wrapper leaf	10-20
Cauliflower	20	Midseason	T	Youngest mature leaves	10-20
Carrots	20	Midseason	T	Youngest mature leaves	10-20
Celery	20	Midseason	T	Youngest mature leaves	10-20
Ginseng	20	Midseason	T	Youngest mature leaves	10-20
Lettuce	22	Midseason	V	Wrapper leaf	10-20
Onion	19	Midseason	S	Tops, no white	10-20
Pepper	23	Prior to or at early fruit development	W	Petiole and leaflet	10-20
Tomato	21	Midseason	U	Newest fully developed leaf	10-20

Please send samples to: 2611 Yellowstone Dr.  
Marshfield, WI 54449  
715-387-2523

This form is also available on our website at: <http://uwlab.soils.wisc.edu>