

CROP	PIANT PART	TIME OF SAMPLING	STATUS	----- N	----- P	% K	----- Ca	----- Mg	----- S	----- Fe	----- Mn	-ppm Zn	----- B	----- Cu	----- Mo
Strawberry	MRM leaf	Transplants	Deficient	<2.8	0.25	1.5	0.3	0.3	-	50	30	25	25	5	-
			Adequate range	2.8 3.5	0.25 0.40	1.5 3.0	0.3 1.5	0.3 0.6	- -	50 100	30 100	25 40	25 40	5 10	- -
			High	>3.5	0.40	3.0	1.5	0.6	-	100	100	40	40	10	-
	MRM leaf	Initial flower	Deficient	<3.0	0.2	1.5	0.4	0.25	-	50	30	20	20	5	-
			Adequate range	3.0 4.0	0.2 0.4	1.5 3.0	0.4 1.5	0.25 0.50	-	50 100	30 100	20 40	20 40	5 10	- -
			High	>4.0	0.4	3.0	1.5	0.50	-	100	100	40	20	10	-
	MRM leaf	Initial harvest	Deficient	<3.0	0.2	1.5	0.4	0.25	-	50	30	20	20	5	-
			Adequate range	3.0 3.5	0.2 0.4	1.5 2.5	0.4 1.5	0.25 0.50	-	50 100	30 100	20 40	20 40	5 10	- -
			High	>3.5	0.4	2.5	1.5	0.50	-	100	100	40	40	10	-
			Toxic(>)	-	-	-	-	-	-	-	800	-	-	-	-
	MRM leaf	Midseason	Deficient	<2.8	0.2	1.1	0.4	0.20	0.8	50	25	20	20	5	0.5
			Adequate range	2.8 3.0	0.2 0.4	1.1 2.5	0.4 1.5	0.20 0.40	0.8 1.0	50 100	25 100	20 40	20 40	5 10	0.5 0.8
			High	>3.0	0.4	2.5	1.5	0.40	1.0	100	100	40	40	10	0.8
			Toxic (>)	-	-	-	-	-	-	-	800	-	-	-	-
Strawberry	MRM leaf	End of season	Deficient	<2.5	0.2	1.1	0.4	0.2	-	50	25	20	20	5	-
			Adequate range	2.5 3.0	0.2 0.3	1.1 2.0	0.4 1.5	0.2 0.4	-	50 100	25 100	20 40	20 40	5 10	- -
			High	>3.0	0.3	2.0	1.5	0.4	-	100	100	40	40	10	-

SS-VEC-42
JANUARY, 1991

PLANT TISSUE ANALYSIS AND INTERPRETATION FOR VEGETABLE CROPS IN FLORIDA

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Soil Testing Rating

Rating	<u>Coastal Plain</u>		<u>Piedmont, Mountain and Limestone Valley</u>	
	Phosphorus lbs. P/A	Potassium lb. K/A	Phosphorus lbs. P/A	Potassium lbs. K/A
Low	0-30	0-70	0-20	0-120
Medium	31-60	71-170	21-40	121-250
High	61-100	171-275	41-75	251-400
Very High	100+	275+	75+	400+

Recommendations:

Nitrogen Rate: See Comments*

Desired pH: 6.0-6.5. If the soil pH is less than 6.0, see Lime Table B, page 29.

Magnesium: If soil test Mg is low and lime is recommended, use dolomitic limestone.

Other: Boron - 0.5lb. B/A in the preplant fertilizer.
Sulfur - 12lb. S/A

Potassium

<u>Rating</u>	Low	Medium	High	Very High
Phosphorus				
	(Pounds N-P ₂ O ₅ -K ₂ O per Acre)			
Low	*-120 - 130	*-120 - 70	*-120 - 0	*-120-0
Medium	*-90 - 130	*-90 - 70	*-90 - 0	*-90 - 0
High	*-60 - 130	*-60 - 70	*-60 - 0	*-60 - 0
Very High	*-0 - 130	*-0 - 70	*-0 -0	*-0 - 0

000. *Nitrogen Fertilization

* On coarse textured soils(sands, loamy sands, sandy loams) apply a total of 110-120 lbs. N/A.

Higher rate of N can affect fruit quality. Broadcast 60 lbs. N/A in the fall prior to bedding. Apply 50-60 lbs. N/A in the spring through the drip system. Begin applications when vigorous spring growth begins. Apply at a rate equivalent to 60 lbs. N/A/day for the length of the growing season.

The N can be injected daily, weekly, or bi-weekly. N can be supplied through the drip system using either N solutions or calcium nitrate (CaNO_3).

* On heavy textured soils(sandy clay loams and heavier) apply a total of 80-90 lbs. N/A. Broadcast 40

lbs. N/A in the spring through the drip system. Begin applications when vigorous spring growth begins. Apply at a rate equivalent to 0.50 lbs. N/A/day for the length of the growing season. The N can be injected daily, weekly, or bi-weekly. N can be supplied through the drip system using either N solutions or (CaNO_3).

The majority of phosphorus(P_2O_5) and all the potassium (K_2O) should be applied in the fall prior to bedding. If a spring application of phosphorus is made apply in one application and limit the application rate to 10 to 15 lbs. P_2O_5 /A. Recent research shows that all the potassium (K_2O) can be applied preplant.

Do not exceed 0.5 lb. B/A in the preplant fertilizer application. Base any spring applied B through the system on plant analyst.

If S is not applied in the preplant fertilizer, on coarse textured soils apply the equivalent of 1 lb. S/A/week for 12 weeks through the drip system. Nitrogen-S solutions or magnesium sulfate can be used to supply the sulfur(S).

Plants should be monitored using plant analysis.