

**TISSUE & FRUIT WORKSHEET**

**Date Submitted:** \_\_\_\_\_ **File #:** \_\_\_\_\_

**Client Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Consultant:** \_\_\_\_\_ **Sampled By:** \_\_\_\_\_

<b>OFFICE USE</b>	
<b>Form #:</b>	_____
<b>No. Samples Rec'd:</b>	_____
<b>Date Rec'd:</b>	_____
<b>Rec'd By:</b>	_____
<b>Due Date:</b>	_____

<b>Check box if data is to be:</b>		<input type="checkbox"/> Transmit	<input type="checkbox"/> Fax # _____	<input type="checkbox"/> e-mail: (address) _____						
Sample Location	Description Line 1	Description Line 2	Test T001	Test T002	Individual Tests List Code(s) (See Codes Below)	Variety	Plant Part 1-5 *	Plant Position 6-9 #	Plant Appearance	
									Normal	Abnormal

**T001, Standard Tissue Analysis**, includes: Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Elemental Ratios  
**T002, Standard Tissue Plus Traces**, includes: Standard T001, plus Boron, Iron, Manganese, Copper, Zinc, Aluminum

**INDIVIDUAL ANALYSIS (Listed Below)**

- |                              |                         |                                 |                                  |                      |                            |
|------------------------------|-------------------------|---------------------------------|----------------------------------|----------------------|----------------------------|
| <b>T004</b> - Fruit Analysis | <b>T125</b> - Chloride  | <b>T155</b> - Molybdenum        | <b>T188</b> - Sugars, Total      | <b>* Plant Part</b>  | <b># Position of Plant</b> |
| <b>T105</b> - Aluminum       | <b>T126</b> - Cobalt    | <b>T160</b> - Nitrate           | <b>T190</b> - Sulfur             | <b>1</b> Whole Plant | <b>6</b> Upper             |
| <b>T110</b> - Ammonia        | <b>T130</b> - Copper    | <b>T165</b> - Nitrate & Ammonia | <b>T195</b> - Zinc               | <b>2</b> Leaves      | <b>7</b> Middle            |
| <b>T115</b> - Boron          | <b>T135</b> - Fluoride  | <b>T170</b> - Nitrogen - Total  | <b>T200</b> - Corn Stalk Nitrate | <b>3</b> Stems       | <b>8</b> Lower             |
| <b>T120</b> - Calcium        | <b>T140</b> - Iron      | <b>T175</b> - Potassium         |                                  | <b>4</b> Top 6"      | <b>9</b> Ear Leaf          |
| <b>T121</b> - C/N Ratio      | <b>T145</b> - Magnesium | <b>T180</b> - Phosphorus        |                                  | <b>5</b> Petioles    |                            |
| <b>T122</b> - Carbon         | <b>T150</b> - Manganese | <b>T185</b> - Sodium            |                                  |                      |                            |

**PLEASE SEE BACK SIDE FOR SAMPLING INSTRUCTIONS**

# SAMPLING INSTRUCTIONS

Stage of Growth - Plant Part to Sample - Number of Plants to Sample	
<p><b>CORN</b></p> <p>1) Seedling stage (less than 12") - all the above ground portion - 15 to 20, or</p> <p>2) Prior to tasseling and shooting to silking - entire leaf fully developed below the whorl - 10 to 15, or</p> <p>3) From tasseling and shooting to silking - entire leaf at the ear node or immediately above or below it - 10 to 15</p>	<p><b>POTATO</b></p> <p>Prior to or during early bloom - third to sixth leaf from growing tip - 20 to 30</p> <p><b>PEPPERS</b></p> <p>Prior to bloom - most recently mature leaf - 25</p>
<p><b>SOYBEANS OR OTHER BEANS</b></p> <p>1) Seedling stage (less than 12") - all the above ground portion - 20 to 30, or</p> <p>2) Prior to or during initial flowering - two or three fully developed leaves at the top of the plant - 25</p>	<p><b>ROOT CROPS (CARROTS, ONIONS, BEETS, ETC.)</b></p> <p>Prior to root or bulb enlargement - center mature leaves - 20 to 30</p> <p><b>MELONS (WATER, CUCUMBER, MUSKMELON)</b></p> <p>Early stages of growth to fruit set - mature leaves near the base portion of plant on main stem - 20 to 30</p> <p><b>LEAF CROPS (LETTUCE, SPINACH, ETC.)</b></p> <p>Mid growth - Youngest mature leaf - 35 to 55</p>
<p><b>SMALL GRAIN (WHEAT, BARLEY, OR RYE)</b></p> <p>1) Seedling stage (less than 12") - all the above ground portion - 60, or</p> <p>2) Prior to heading - the four uppermost leaves - 60</p>	<p><b>CELERY</b></p> <p>Mid growth (12 - 15" tall) - petiole of youngest mature leaf - 15 to 30</p> <p><b>APPLE, APRICOT, ALMOND, PRUNE, PEACH, PEAR, CHERRY</b></p> <p>Mid season - leaves near base of current year's growth or from spurs - 50 to 100</p>
<p><b>HAY, PASTURE, OR FORAGE GRASSES</b></p> <p>Prior to seed head emergence or at the optimum stage for best quality forage - four uppermost leaf blades - 50 to 75</p>	<p><b>STRAWBERRY</b></p> <p>Mid season - youngest fully expanded mature leaves - 50 to 75</p>
<p><b>ALFALFA</b></p> <p>Prior to or at 1/10 bloom stage - mature leaf blades taken about 1/3 of the way down the plant - 40-50</p>	<p><b>GRAPES</b></p> <p>From end of bloom period through August - petioles and leaves from leaves adjacent to fruit clusters - 60 to 100</p>
<p><b>TOBACCO</b></p> <p>Before bloom - Uppermost fully developed leaf, fourth leaf from top of plant - 8 to 12</p>	<p><b>ORNAMENTAL SHRUBS</b></p> <p>Current year's growth - fully developed leaves - 30 to 100</p>
<p><b>PEANUTS</b></p> <p>Prior to or at bloom stage - mature leaves from both the main stem and either cotyledon lateral branch - 40 to 50</p>	<p><b>AZALEA</b></p> <p>Prior to flowering - most recently matured leaves - 50 to 75</p>
<p><b>Cotton</b></p> <p>Prior to or at first bloom or when first squares appear - youngest fully mature leaves on main stem - 30 to 40</p>	<p><b>ROSES</b></p> <p>During flower production - 5 leaflet leaves below bud - 20 to 30</p>
<p><b>Tomato (field)</b></p> <p>Prior to or during early bloom stage - third or fourth leaf from growing up - 20 to 20</p>	<p><b>Turf</b></p> <p>During normal growing season - leaf blades, clip by hand to avoid contamination with soil/material - ½ pint</p>
<p><b>Tomato (greenhouse)</b></p> <p>Prior to or during fruit set - 1. Young plants: leaves adjacent to 2<sup>nd</sup> &amp; 3<sup>rd</sup> clusters - 20 - 25 2. Older Plants: leaves from 4<sup>th</sup> to 6<sup>th</sup> clusters - 20-25</p>	<p><b>** Comparing healthy to non-healthy plants is recommended.</b></p>

**See "PLANT SAMPLING INSTRUCTIONS"  
in Manual for more details and information**