



PLANT TISSUE ANALYSIS

WHY TEST?

- 1) It is beneficial in determining fertility problems in areas where growth appears to be abnormal.
- 2) It can help identify a deficiency before it appears, and when it is still feasible to rectify the problem.

SAMPLING PROCEDURES

- 1) Sample at the appropriate plant stage (See Plant Tissue Chart for details)
- 2) Fields to be sampled:
 - A: Sample area should be approximately ten acres.
 - B: The portion of the plant to be sampled depends on the crop development (see chart)
 - C: If abnormalities are present in crop, sample normal plants and abnormal plants separately.
 - D: Diseased or insect damaged plants should not be tested as this is a test for nutrient intake only.
 - E: Take samples from ten to fifteen plants.
 - F: Nitrate testing should not be done early in the morning or late in the afternoon.

SAMPLE PREP FOR DELIVERY

- 1) Labels sample bags with your name, address, farmers name, farmers address, sample number, crop, crop stage.
- 2) Do not wash samples, dust off any soil or insects, then package them.
- 3) If the sample is to be shipped, air dry the sample one day to avoid mold development during shipment.
- 4) If the sample is to be delivered direct to LGI, place sample in bag and deliver to us.

*** The quicker we receive the samples the less chance for deterioration before they are processed ***

RESULTS

LGI will test for the following elements unless special tests are noted on the sample bag: N, P, K, S, B, Ca, Mg, Zn, Mn, Cu and Fe.

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