



Nitrogen in the Plant

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Nitrogen in the plant is a very important subject. There is more nitrogen in plants than any other element, with the exception of carbon, hydrogen, and oxygen. Nitrogen plays an important part in many essential functions and compounds necessary for life.

Nitrogen may be found in various parts of the plant in different forms. There is nitrogen in the leaves, grain, plant tissue and roots of plants. It may function as part of the plant structure or involved in the life processes.

Leaves

Chlorophyll

Nitrogen makes up part of the chlorophyll in plants. Chlorophyll is the green part of leaves and stems. Light energy is taken by the chlorophyll and used to make sugars for the plant.

Plant Tissue

Plant Growth and Development

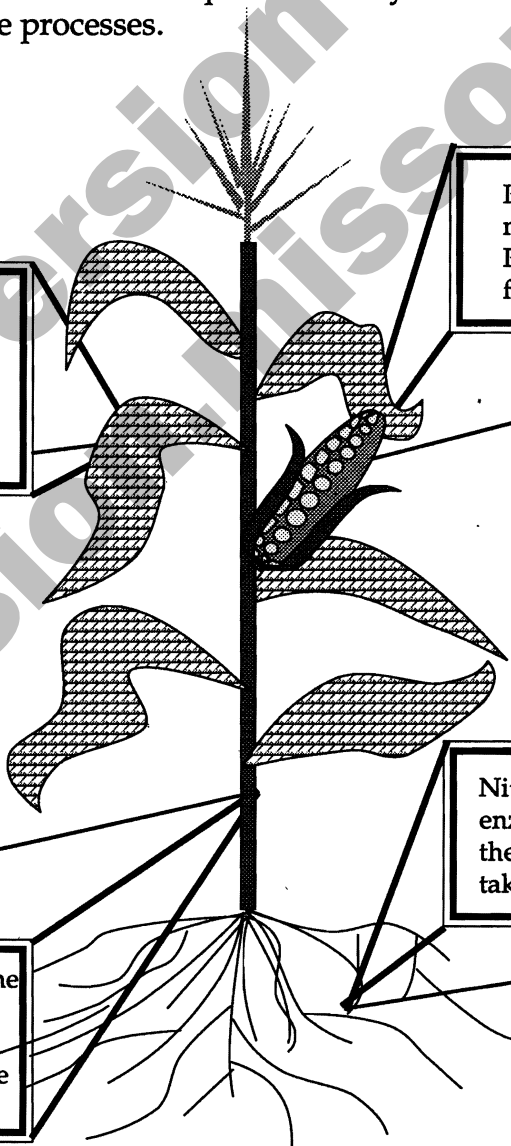
Nitrogen is an important part of the compounds which regulate plant growth and development. Nitrogen is also an important part of the plant structure.

Grain Protein

Protein is the substance which makes up all living matter. Protein is stored in the grain, fruit and seeds of plants.

Roots Nutrient and Water Uptake

Nitrogen is found in proteins and enzymes in the roots. They help the nutrients and water to be taken up into the plant.



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This publication was written by Karen DeFelice, former associate extension agronomist; Nyle Wollenhaupt, former state extension agronomist; and Daryl Buchholz, state extension agronomist. This material is based upon work supported by the United States Department of Agriculture, Extension Service, under special project number 89-EWQI-1-9203.



■ Issued in furtherance of Cooperative Extension Work Acts of May 8 and June 30, 1914 in cooperation with the United States Department of Agriculture. Gail L. Imig, Director, Cooperative Extension Service, University of Missouri and Lincoln University, Columbia, Missouri 65211. ■ An equal opportunity institution.