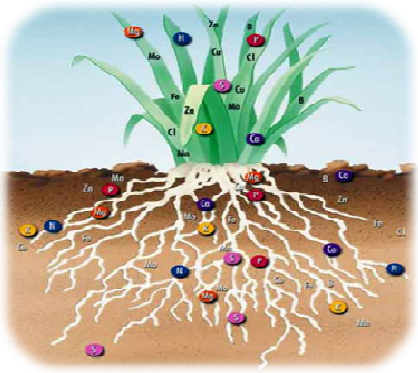
hum's
des hommes & des sols



TRAINING COURSE

Plant nutrition, plant physiology and soil fertility

Objectives

- Identify the minerals needed by plants
- Know how to identify appropriate forms of inputs for different crops and different places

COURSE CONTENT

- **The mineral elements needed for plant nutrition**
- **The mechanisms for acquiring minerals**
- **The role of organic matter in soil fertility**
- **Knowing the different forms of organic matter and how they are transformed**
- **The mineralization of organic matter**
- **Knowing how to choose from among different types of analysis**
- **How to differentiate among forms of applications (mineral and organic fertilization)**
- **Determining the most appropriate form of fertilizer for crop nutrition**
- **The role and forms of localized fertilization**
- **Management of livestock effluents**
- **Nitrogen management**
- **Residue management**
- **"Liming"**

Strengths of the program:
- Use of an innovative teaching approach based on adult learning methods that facilite the acquisition of knowledge
- Activities in the classroom and in the field to build confidence throughout the course
- The participant practices conservation agriculture: presentation of many cases studies

For anyone wishing to acquire or deepen their knowledge of agronomy
Duration: 2 days (14 hours in class) / Dates and places: contact us

h'

www.hums.fr

***Instructor**:*
Sarah Singla, agricultural graduate and farmer on a farm that has been practicing soil conservation agriculture since 1980. As a trainer, she draws on her personal experience, on farm visits she has made in France and abroad, as well as on scientific studies, to disseminate knowledge about regenerating agricultural soils.