

## PROFESSIONAL TRAINING PROGRAM

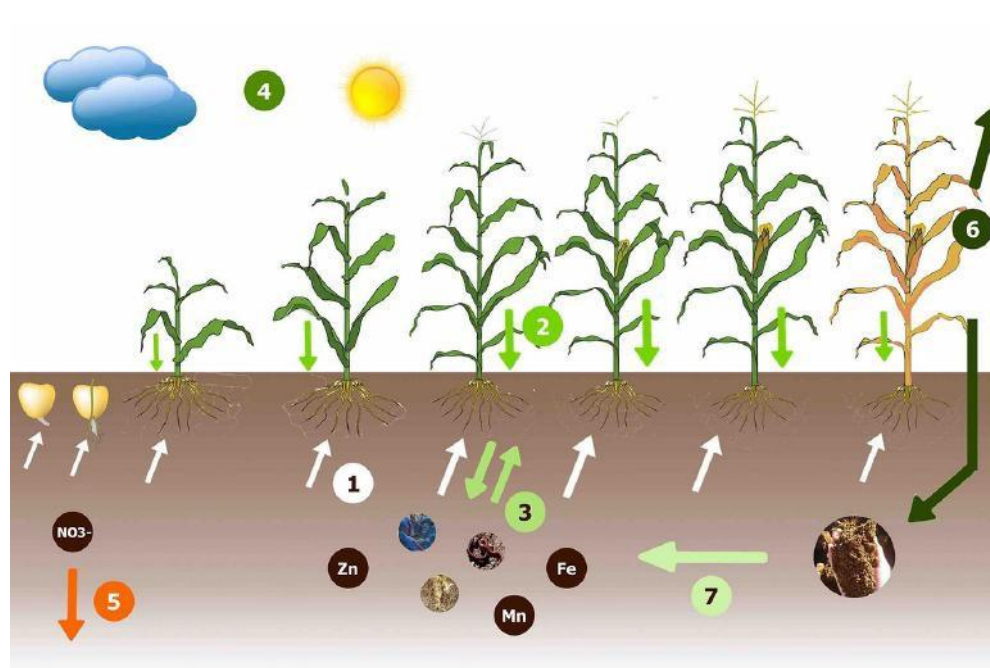
### « UNDERSTAND AND VALUE THE SOIL ANALYSIS TO INCREASE ITS FERTILITY »

*This programme can also be consulted directly on the TERREOM website at:*

<https://www.terreom.fr/en/formation-analyse-sol>



**Soil is a constantly changing environment:** exchanges and transformations are permanent. To illustrate, here are some aspects:



1. During its cycle, the plant collects various elements from the soil.
2. In return, it returns some of the products of photosynthesis to the roots..
3. This exchange stimulates soil life and results in a change of parameters in the periphery of the rhizosphere. In return, soil-plant exchanges are modified.
4. This whole process also fluctuates according to climatic conditions: for example, photosynthesis is greatly stimulated in sunny periods.

5. In addition, excessive rainfall can also lead to the leaching of molecules such as nitrates.
6. The balance between export (harvest) and restitution of course influences the soil and its structure.
7. These different transformations modify the parameters of the soil, and the loop starts all over again.



## OBJECTIVES



### UNDERSTAND

the importance of soil analysis



### KNOW HOW TO TAKE

a soil sample to obtain a representative soil analysis



### KNOW

the information categories of soil analysis



### KNOW

the meaning of each soil analysis indicator



### KNOW HOW TO INTERPRET

the value of each indicator



### MASTER

the decision support tools complementary to soil analysis



### KNOW

how the fertility of the soil is built up and its indicators



### KNOW

how soil analysis is positioned in the measurement of the fertility of the soil and know the complementary tests



### KNOW HOW TO ADAPT

practices to increase soil fertility

**PUBLIC CONCERNED**

All public

**PREREQUISITE**

None

**ACCESSIBILITY**

If you have a physical disability, please let us know. We will then make the necessary arrangements to enable you to take full advantage of the training.



*Suitable for people with a mobility impairment*



*Suitable for people with a hearing impairment*



*Suitable for people with a speech impairment*



*Suitable only for the visually impaired persons*



## ORGANIZATIONAL CONDITIONS



7 hours



9:00 a.m. to 12:30 p.m. and 2:00 p.m. to 5:30 p.m.



4 minimum – 15 maximum



## « NEAR YOU » TRAINING

In the case of a "near you" training, the minimum number of participants may be adjusted to take into account the distance from our headquarter.



## EDUCATIONAL RESOURCES



Classroom training



Use of a video-projector and a paperboard



A permanent internet access to the slideshow and training course folder will be provided to each participant at the start of the course



Interactive exchanges with the trainees



## TECHNICAL RESOURCES



Room equipped with a video-projector and a projection screen



Use a video slideshow and a flipchart



Use of educational sheets (COMIFER recommendation sheets, soil observation sheet (spade test, 3D mini-profile))



Demonstration of online decision support tools



## TRAINING MANAGER

**Raphaël MARTIAL**

*Agricultural engineer (ENITA BORDEAUX) and former adviser to the Landes Chamber of Agriculture  
More than 20 years of experience in the agricultural sector*





## TRAINING PLAN

### I. Properly prepare the soil sample for representative analysis

- Sampling techniques
- Sampling equipment
- Good practices and general recommendations

### II. Soil analysis, an information-rich tool

- Granulometry and texture
- Organic matter (rate, C/N ratio, mineralization coefficient, microbial activity index, humic balance)
- Cation exchange capacity (soil ion reserves, CEC size, filling rate, composition and distribution of elements)
- PH and acid-base status (pH H<sub>2</sub>O, pH KCl, carbonate, know how to control soil acidity)
- Macroelements (nitrogen, phosphorus, potassium, phosphopotassic management), trace elements and soil balance)

### III. Soil analysis in fertility management

- Soil fertility and its indicators
- Soil analysis in the measurement of the fertility
- Tests and analysis complementary to soil analysis

### IV. Let's take a look at your soil analysis

Interactive exchange time as an application to the analysis of documents provided by trainees



## MONITORING AND EVALUATION



Signing of an attendance sheet at the beginning of each half-day



At the end of the training, a certificate will be given to each participant



End of course questionnaire completed by each trainee to check understanding and good acquisition of the different topics



## TRAINING PRICE



**Inter-company training**

**210 € including taxes**

(individual price)



**Intra-company training**

**1800 € including taxes**  
(excluding travel expenses)

(group price)



**Delivery in a training centre**

**800 € including taxes**  
(excluding travel expenses)

## Funding is available!

*Click on the following link to learn more*

<https://www.terreom.fr/en/formations-financement>



**I AM INTERESTED IN THIS TRAINING**

**I REGISTER BY CLICKING ON THE LINK OPPOSITE**

<https://www.terreom.fr/en/inscription-analyse-sol>