

PROFESSIONAL TRAINING PROGRAM

« REDOX POTENTIAL AND PH UNDERSTAND THEIR INFLUENCE ON THE SOIL-PLANT RELATIONSHIP TO BETTER DEVELOP AGROECOLOGICAL PRACTICES »

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

<https://www.terreom.fr/en/formation-potentiel-redox-ph>



CONTEXT

The **relationship between the plant and the soil is permanent during the plant's development cycle**. For 10 years, the work of Olivier HUSSON, CIRAD researcher, has provided a **new vision of the influence of pH and redox potential on this relationship**. In posteriori, it appears that this parameter **intervenes at all levels of the functioning of the ecosystem**, confirming the vision of Albert SZENT-GYORGYI according to which «life is a small current maintained by the sun».

The training aims, firstly, to **provide a basic knowledge for a good understanding of pH and redox potential**. Then, it will be shown successively how it intervenes in the **growth of the plant**, in the **good balance of the soil** and in the **mechanism of bioaggression**. Then, the **impact of agricultural practices** on the pH-redox balance will be discussed. In conclusion, all this information will enable the implementation of an **action plan that includes all the good practices** that are favourable to a good balance between the soil and the plant.

Afterwards, this training should enable the learner to evolve towards the implementation of agro-ecological practices and to reduce the use of inputs (fertilizers, phytosanitary products in particular), while developing the performance of the cropping system.



OBJECTIVES



UNDERSTAND

basic knowledge of pH and redox potential



KNOW

how pH and redox potential affect plant development and soil balance



KNOW

the relationship between pH, redox potential, plant health and bioaggression for better protection



CONTROL

the effect of agricultural practices on the right balance between soil and plant



KNOW HOW TO MEASURE

soil and plant pH and redox potential



SET UP

agro-ecological practices that favour the balance between plant and soil



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



Co-construction with the trainees of a positive agroecological action plan



TECHNICAL RESOURCES



Room equipped with a video-projector and a projection screen



Use a video slideshow and a flipchart



Use of educational sheets (soil observation sheets, glossary of understanding soil analysis)



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. Master the basic knowledge about redox potential and pH

II. Redox potential and pH in the soil-plant relationship

III. Measures and positive agro-ecological practices

- Soil, pH and redox potential
- Plant, pH and redox potential
- Plant health, pH, redox et bioaggression

- Redox potential, pH and measuring devices
- Positive agroecological practices and action plan



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-potentiel-redox-ph>