

PT 15a: Fresh soil

Details of the program:

- Proficiency testing scheme created in 2016
- 20 registered laboratories from 5 countries
- 2 rounds per annual series
- The time for analysis is 6 weeks
- Samples are shipped via express carrier at the end of the previous month.



Schedule:

DATE	CODE	MATRIX	WEIGHT
October	0215	Fresh soil	2 x 500 g
March	0215	Fresh soil	2 x 500 g

ANALYTES

Water content on a mass basis

Nitrogen mineralization potential:

Nitric Nitrogen - N-NO₃ and Ammoniacal Nitrogen - N-NH₄ at the first day, Nitric nitrogen - N-NO₃ and Ammoniacal Nitrogen - N-NH₄ at 28 days at 28°C

Carbon mineralization potential:

Carbon mineralized at 28 days at 28°C

Microbial biomass:

Extractible carbon fumigated sample, Extractible carbon unfumigated sample, Extractible organic carbon

Organic matter fractionation:

Weight of the fraction 50-200 µm, Carbon content of the fraction 50-200 µm, Nitrogen content of the fraction 50-200 µm, Weight of the fraction 200-2000 µm, Carbon content of the fraction 200-2000 µm, Nitrogen content of the fraction 200-2000 µm

Soil aggregate stability:

Average particle diameter obtained after disaggregation (Speedy humectation, Slowly humectation, Mechanical humectation).

Note: Matrices and analytes may be changed or removed for technical or scientific reasons. Please refer to current application form available in your member area (www.bipea.org).