

## WP2. SOIL DIVERSITY AND FERTILITY SERVICES FROM SOWN DIVERSITY IN GRAZED SYSTEMS

### CONTROL SOIL SAMPLING

### ONLY FOR JORDAN AND LEBANON

- Do this control soil sampling **only** if there is bare soil around the experimental field and the conditions are similar to t0.
  - In combination with the soil sampling of t1 (see WP2\_soils\_autumn\_2022 protocol) take some extra subsamples as control.
  - Take 5 soil cores at the marginal space surrounding the experimental plots.
  - Each with 1 meter distance in-between.
  - Bulk and mix by hand using globes.
  - Take subsamples for nematodes, PLFA and fertility and activity (Table 1), following the same methods as with all the samples of t1 (WP2\_soils\_autumn\_2022 protocol).
- **Table 1.** Soil analysis, pre-treatment, temperature of storage and shipment, fresh weight of each sample and shipping address.

SOIL ANALYSIS	PRE-TREATMENT	TEMP.	FESH SOIL WEIGHT PER SAMPLE	SHIPPING ADDRESS
<b>Nematodes</b>	None	8 °C	80 -100 g	<b>Prof. Dr. Liliane Rueß</b> Humboldt Universität zu Berlin Institut für Biologie AG Ökologie Philippstraße 13, Haus 22 10115 Berlin, Germany Tel.: 030-2093-49722
<b>PLFAs</b>	Sieve (2 mm)	-20 °C	10 g	<b>Dr. Angela Ribas</b> Centre for Research on Ecology and Forestry Applications (CREAF) Building C, Campus de Bellaterra (UAB) 08193 Cerdanyola del Vallès, Barcelona, Spain. Tel: +34 935811312
<b>Fertility and activity</b>	Sieve (2 mm)	4 °C	150 g	

- Label the samples as follows: experimental site code (LB, JO) – date (yyyymmdd) – **CONTROL**. Example JO-20221022-CONTROL.
- Send the samples together with t1 samples.