Quick-guide
Koster Moisture Tester

MOSEGÅRDEN A/S

Weighing of feed sample

1. Place the specimen container on the scale and reset the scale. The digital scale must be connected to a power outlet to keep the resetting. The digital scale can be used with batteries but will then loose the resetting *).

2. Weigh 100 gram of the sample material in the specimen container on the digital scale

3. Place the specimen container on the device and let it dry according to the guided drying time as listed in the timetable below.

Guided drying time

Crops	Expected dry matter content	Guided drying hours
Grass ensilage	20 - 25%	45 minutes
Grass ensilage	30 - 35%	30 minutes
Grass ensilage	40 - 50%	25 minutes
Hat / hay ensilage	60 – 80%	20 minutes
Maize ensilage	25 – 40%	30 minutes

Weigh the sample material again and note how many grams (units) are left, and continue the drying for another 5 minutes to see if the weight continues to decrease.

If there is no change in the weight, the dry matter content has been found. If the weight still decreases, continue with another 5 minutes drying until the weight does not decrease anymore.

On the digital Koster scale, the dry matter percentage is equivalent to the weight of the dried material when 100 grams are weighed from the beginning.

100 gram minus the weight of the dried material = water percentage.

***) In battery mode**, the scale automatically goes off after a few minutes to conserve the battery. Therefore, when the scale is in battery mode, the scale must be reset **before** the specimen container is placed on the scale. Note the weight of the container and then fill it with 100 grams of material. By weighing after drying, the weight of the container is deducted.

When the feed sample is dried strongly, some of the fermentation products like ethanol, ammoniac and acetate content will probably evaporate, hence the result obtained may be adjusted so that the corrected dry matter percentage actually is 0.5 - 1.5% units higher than the result shown by the Koster Moister Tester.

For further information, please contact **Mosegården A/S**

MOSEGÅRDEN A/S · Fabersvej 9 · 7500 Holstebro · Tlf. +45 97 86 19 66 · Fax +45 97 86 14 46 · www.mosegarden.dk