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Sand ruler

08.04.03



This sand ruler is a disc made of transparent material with selected samples (standard graduations). The sand ruler is an excellent indicative aid in estimating granular composition. It is possible to classify the sand fraction by using the sand median.

- Indicative aid in estimating granular composition
- Indicative aid in determining particle size distribution
- Made of transparent material

Description

An important quality of a soil (in a soil profile) is the grain size distribution or texture. Agricultural soil properties are greatly determined by the texture of a soil: for example, the ease of tillage, the capillary conductivity of a soil, the available moisture, the permeability of a soil, compaction, rooting possibility, etc.

A sand ruler is a disc made of transparent material with standard (specimen) samples. It is an excellent indicative help in determining the particle size distribution or to estimate the granular composition.

Method

By using the sand median, it is possible to classify the sand fraction. A representative proportion of the sample to be tested is rubbed dry with the fingers in the palm of the hand. The sample is then placed in the hollow area in the center of the ruler. The average grain size is now judged by comparing the average grain size of the sample with the specimen in the ruler.

Available variations

- **08.04.03** Sand ruler with 10 fractions. The sand ruler is divided into the following classes (in μm): 63, 90, 125, 180, 250, 355, 500, 710, 1000, 1400, 2000.
- **08.04.04** Sand ruler with 6 fractions. The sand ruler is divided into the following classes (in μm): 63, 105, 150, 210, 300, 420, 2000.

Specifications

Sand ruler	
Number of fractions	6 or 10
Splash resistant	Yes
Material	Transparent

Soil color book



The Color Identification Book is an ideal tool for determining the composition of the soil. Eijkkelkamp North America offers two different versions for this purpose.

- Twelve color charts
- English language
- Two variants of booklets

Description

The determination of a subgroup in the soil classification system is based, among other things, on color differences. The color of the soil is determined by comparing the sample with standard soil color charts (Munsell). Soil color charts are available in Japanese and American.

Varianten

- **Soil color identification book (Munsell) 08.11.03**, book with 12 color charts (5R/7.5R/10R/2.5YR/7.5YR/10YR/ 2.5Y/5Y/10Y-5GY/GLEY 1 and Gley 2) and 1 blank chart. Water-resistant washable cards, American edition.
- **Soil color identification book (Japanese) 08.11.01**, (7.5R/10R/2.5YR/5YR/ 7.5YR/10YR/2.5Y/5Y/7.5Y/5R and GLEY = two cards). Total 389 color chips, Japanese edition (English text)

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