



Sampling of leaves



Sampling should be distributed on the field at 20-30 different places. No samples taken, if treated with pesticides or nutrients in the previous 3-5 days. For plant analysis approximately 300-500 g fresh weight is required.

The following plant parts should be taken:

Plant	Stage of Development (EC)	Organ of Sampling
cereals	during tillering (EC 28-29)	complete plants cutted 5 cm above the ground
rape	during development in the spring up to a plant height of 30-40 cm	youngest fully developed leaves without petiole
maize	40-60 cm plant height (EC 33-39), during flowering (EC 61-69)	fully developed medium leaves or corncob leaves
potatoes	inflorescence emergence (EC 51-59), beginning of flowering (EC 60), end of flowering (EC 69), tuber initiation (EC 40)	youngest fully developed leaves
sugar beet	8-10-leaf stage (EC 18-19) until the end of August	youngest fully developed medium leaves without petiole
wine	at 10% open flowers (EC 61)	leaves opposite to the first flowerhood
strawberries	beginning of flowering until full flowering (EC 60-65)	youngest, fully developed leaves from the centre of the plant
Pomaceous / stone fruit	Late July - early August	Leaves from the centre of this year's long shoots.

In other cultures, also upon the occurrence of deficiency- or excess-symptoms on individual leaves or plant parts, always total plants should be collected. Here, the minimum of sampling rate is 1-2 kg.