



When to do GMO/LMO detection?

- All food crops known to be GM
- Mixed grain/seed with a known LMO
- IF no GM exists in a specific crop type - no need to test - unless sample is mixed







GMO Sampling

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 $\label{eq:Foodstuffs} \mbox{\rm Foodstuffs} \mbox{\rm --Methods of analysis for the detection of genetically}$

modified organisms and derived products — Sampling Produits alimentaires — Méthodes d'analyse pour la détection des organismes génétiquement modifiés et des produits dérivés — Échantillonnage

GMO Sampling

Contents

- Apparatus and equipment
- Sampling of processed and non-processed agricultural commodities
- Sampling of final food products
- Limitations
- · Packaging and labelling of samples
- · Dispatch of samples
- Preparation of the test portion
- Sampling report







- Lots of a maximum of 500 t recommended
- The bulk sample shall be at least 20 times the size of the laboratory sample (ISO 542:1990).
- In case of processed agricultural commodities at least
 the representative of the equivalent amount of material

GMO Sampling Increments • Taken from as much of the cross section of the flowing material as possible, that every part of the lot has an equal opportunity of entering the sampling device. • Using a continuous sampling approach a small proportion shall be taken constantly throughout the lot. at predetermined time intervals		
Size of increments	Increment ka	E
Medium-size and large grains	0,5	é
Small grains	0,2	Ő

Sampli •Relevant for bag	ng from bags gs of up to 50 kg	
Number of bags to be Number of bags in	sampled Number of bags to be	
Up to 10 10 to 100 More than 100	Each bag 10, taken at random Square root (approximately) of total number	





