

# ISO 14820-3:2020 (E)

## Fertilizers and liming materials — Sampling and sample preparation — Part 3: Sampling of static heaps

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Sampling plans and quantitative data
4.1	General
4.2	Characterization of the lot to be sampled
4.3	Sampling plan
4.3.1	General
4.3.2	Elements of the sampling plan
4.4	Determination of the volume/mass of the lot
4.5	Determination of sampling units and sampling points
4.5.1	Determination of the number and location of the sampling units
4.5.2	Minimum total number of sampling units
4.5.3	Determination of sampling units from which incremental samples shall be taken
4.5.4	Determination of the minimum number of sampling points from which sub-samples are to be taken
4.6	Quantitative data
4.6.1	Determination of the minimum mass of increments
4.6.2	Mass of increments
4.6.3	Aggregate/reduced and final samples
5	Incremental sampling methods
5.1	General
5.2	Sampling apparatus
5.3	Procedure
5.4	Aggregate and reduced samples
6	Final samples
6.1	Division into final samples
6.2	Practical arrangements for final (laboratory) samples
6.2.1	Final sample packaging materials
6.2.2	Dealing with final samples
7	Sampling report
Annex A	(informative) Determination of mass/volume of a static heap
A.1	Volume of a conical heap without edgewise limitation
A.2	Volume of a storage box, partly filled (rectangular base, three flanks closed)
A.3	Determination of the mass