

Sampling objectives can be broadly categorized into a few main areas: safety assessment; regulatory enforcement and compliance, surveillance, and post market monitoring; and manufacturing process control. The principles outlined in these papers are the basis for relevant sampling for all of these objectives, and underscore that proper understanding of Sample Quality Criteria (SQC) and the Theory of Sampling is critical for those involved in making inferences from analytical data to food/feed safety decisions, such as product misbranding, adulteration and/or detecting safety issues. Implementation of this systematic process will ultimately enable defensible decisions ensuring scientific correctness, i.e., a representative basis for food and feed safety.

1. [Representative Sampling for Food and Feed Materials: A Critical Need for Food/Feed Safety](#)  
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2. [Food and Feed Safety Assessment: The Importance of Proper Sampling](#)  
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Authors: Kuiper, Harry A.; Paoletti, Claudia
3. [Towards a Unified Sampling Terminology: Clarifying Misperceptions](#)  
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Authors: Thiex, Nancy; Paoletti, Claudia; Esbensen, Kim H.
4. [A Systematic Approach to Representative Sampling—Sampling Quality Criteria, Material Properties, Theory of Sampling](#)  
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Authors: Wagner, Claas; Ramsey, Charles A.
5. [Sample Quality Criteria](#)  
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Authors: Ramsey, Charles A.; Wagner, Claas
6. [Materials Properties: Heterogeneity and Appropriate Sampling Modes](#)  
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7. [Theory of Sampling: Four Critical Success Factors Before Analysis](#)  
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8. [QC of Sampling Processes—A First Overview: From Field to Test Portion](#)  
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9. [Considerations for Inference to Decision Units](#)  
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10. [Distributional Assumptions in Food and Feed Commodities—Development of Fit-For-Purpose Sampling Protocols](#)  
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11. [Critical Practicalities in Sampling for Mycotoxins in Feed](#)  
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12. [Considerations for Sampling Contaminants in Agricultural Soils](#)  
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13. [Considerations in Sampling of Water](#)  
pp. 316-320(5)  
Author: Ramsey, Charles A.