

ISO 24253-2:2015-03 (E)

Crop protection equipment - Spray deposition test for field crop - Part 2: Measurement in a crop

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test method	1
4.1	Principle	1
4.2	Test area	2
4.3	Monitoring of meteorological conditions	2
4.4	Acceptable meteorological conditions for field measurement of spray deposition	2
4.5	Tracers	3
4.6	Collectors	3
4.7	Spray liquid	3
5	Test procedure	4
5.1	General	4
5.2	Sampling spray deposition on the canopy	7
5.2.1	Spray flux on top of crop canopy	7
5.2.2	Inside canopy	8
5.3	Sampling spray deposition to the ground underneath canopy	9
5.4	Drop distribution/spray coverage (optional)	9
6	Test report	9
6.1	Data related to the spraying system	9
6.1.1	Sprayer working condition	9
6.1.2	Sprayer boom	10
6.1.3	Nozzles and liquid distribution	10
6.1.4	Air flow distribution (for air-assisted sprayers)	10
6.2	Data related to the field	11
6.3	Data related to the crop	11
6.4	Data related to the spray liquid	11
7	Expression of results	11
Annex A (informative) Examples of collectors for canopy and ground measurements		13
Annex B (informative) Fluorimetry and deposition calculation		14
Annex C (informative) Reference collector system		16
Annex D (informative) Specifying air assistance on boom sprayers		18
Annex E (informative) Calculations and expression of the spray distribution results		19
Bibliography		21