

DIN EN ISO 19932-1:2013-12 (E)

Equipment for crop protection - Knapsack sprayers - Part 1: Safety and environmental requirements (ISO 19932-1:2013)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	General requirements	6
4.1	General	6
4.2	Harness	8
4.3	Spray tank	8
4.4	Controls	9
4.5	Hoses	10
4.6	Filters	10
4.7	Spray lance and nozzles	10
5	Specific requirements for lever-operated knapsack sprayers	11
5.1	General	11
5.2	Spray tank	11
6	Specific requirements for engine- or motor-driven knapsack sprayers	12
6.1	General	12
6.2	Spray tank	12
6.3	Controls	12
6.4	Power-driven components	13
6.5	Fuel tank	13
6.6	Hot parts	13
6.7	Exhaust system	14
6.8	Parts under high voltage	14
6.9	Electromagnetic immunity	14
6.10	Noise	14
6.11	Vibration	14
7	Specific requirements for compression sprayers	15
7.1	General	15
7.2	Harness	15
7.3	Spray tank	15
8	Information for use	16
8.1	Instruction handbook	16
8.2	Marking	18
8.3	Warnings	19
Annex A (informative)	List of significant hazards	20
Annex ZA (informative)	Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC on machinery and Directive 2009/127/EC amending Directive 2006/42/EC with regard to machinery for pesticide application	21
Bibliography		22