

DIN EN ISO 16122-5:2021-03 (E)

Agricultural and forestry machines - Inspection of sprayers in use - Part 5: Aerial spray systems (ISO 16122-5:2020)

Contents	Page
European foreword.....	3
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2009/128/EC aimed to be covered.....	4
Foreword.....	6
Introduction.....	7
1 Scope	8
2 Normative references.....	8
3 Terms and definitions.....	8
4 Requirements	9
4.1 General requirements	9
4.1.1 Static leak test	9
4.1.2 Dynamic leak test.....	9
4.2 Sprayer tanks.....	9
4.2.1 General.....	9
4.2.2 Tank opening(s).....	9
4.2.3 Strainers.....	9
4.2.4 Emptying.....	9
4.2.5 Tank emptying device.....	10
4.2.6 Tank contents indicator(s).....	10
4.2.7 Tank agitation.....	10
4.3 Hoses and lines.....	10
4.3.1 General.....	10
4.3.2 Bending/abrasion.....	10
4.4 Spray boom	10
4.4.1 Spraying section	10
4.4.2 Nozzle orientation.....	11
4.5 Pressure drop.....	11
4.6 Filters	11
4.7 Nozzles.....	12
4.7.1 Mounting.....	12
4.7.2 Flow rate and spray quality.....	12
4.8 Measuring systems.....	12
4.8.1 General.....	12
4.8.2 Control	12
4.8.3 Pressure indicator (s)	13
4.8.4 Flow rate and other instruments.....	13
4.8.5 Pressure adjusting devices.....	13
4.9 Volume rate per area.....	14
4.10 Safety/Exposure	14
4.10.1 General.....	14
4.10.2 Inspector safety	14
4.11 Flow control.....	14
5 Test facility and methods.....	14
5.1 General.....	14
5.2 Validation pressure indicator(s).....	15
5.3 Verification method of the sprayer pressure indicator	15
6 Inspection report.....	15
Annex A (informative) Nozzle drop size category websites and aerial deposition models.....	16