

Inspection of new sprayers

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How to deal with brand new PAE have been already discussed at the last SPISE workshops at Straelen 2007 and Brno 2009 with the following result:

“Brand new sprayers have to be inspected before selling or they have to be manufactured in such a way to fulfill the EN 13790 standard. Inspection of new sprayers may be of reduced extent compared to sprayers in use.”

The advantages of inspections for brand new equipment before it leaves the factory instead of waiting until it has been used for five years is seen by several manufacturers of PAE. Also in the CEMA's and furthermore the DG SANCO's opinion, this approach is practical and is therefore supported.

Manufacturers know for sure that not wear and tear in this case is the reason of any inspection. But defects of the production as leakages of screw connections can be detected easily. Over that all kind of residuals, for instance cuttings arising during the drilling procedures can lead to blockages of filters and nozzles. Such defects can be eliminated very early and any discontent of customers can be avoided.

To fulfill the German requirements for testing brand new equipment only the features pertaining to pump, pipe system and nozzles shall be applied.

All in one purchaser willingly make use of this service of the manufacturer/dealer of PAE.

Inspection of sprayers

Session 1: 4. Inspection of new sprayers before delivering

- Mandatory inspection since 1993
- Before voluntary control
- Control station must accepted by officials
- Employees are special trained and accepted
- Regular interval of controls by officials

Landwirtschaftskammer Hannover
- Pflanzenschutzamt -



Anerkennungsurkunde

Der Betrieb
Herbert Dammann GmbH
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21614 Buxtehude-Hedendorf

wird unter der Anerkennungs-Nr. 1138 als Kontrollstelle für die
Prüfung von im Gebrauch befindlichen Pflanzenschutzgeräten anerkannt.

Im Auftrag



Hannover, den 31. Jan. 07

March 2012 Dipl.-Ing. Frank von Bargaen
SPISE 4, 27 to 29 March 2012 Lana (Italy)


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Inspection of sprayers

Merkmale 1-3.2.1- Features for Testing
 FieldSprayers and Air-assited Sprayers already in use
 EN13790-1 FieldSprayers
 EN13790-2 Air-assisted sprayers for bush and tree crops

- 1. Drive
- 2. Pump
- 3. Agitor
- 4. Spray liquid tank
- 5. Valves
- 6. Pipe system
- 7. Filter
- 8. Sprayboom
- 9. Nozzles
- 10. Fan
- 11. Other equipment

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Kontrollstelle
 Herbert Dammann GmbH
 Dorfstraße 17
 21614 Buchehude-Hedendorf

Kontrollbericht Nr. DAMM/01-2012-13
 eines Prüfungsprotokollens
 nach BGA-Richtlinie 1-3.2.1

Regelmäßige Prüfung (2. Rev. 2. Teil) für Flächenkulturen
 Nachprüfung für Raumpflanzen
 Prüfung nach Ingebrauchnahme Heftenbau
 E- 1027 G-

Kontrollbericht Nr. DAMM/01-2012-13

Prüfung: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Nachbau zu Kontrollbericht Nr. DAMM/01-2012-13

Herbert Dammann GmbH
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Alberts Bauernhof

Prüfung: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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Win-Win - Situation

Manufacture

- At the end of a production is always a control procedure
- Compliance with the design rules is assured in the current manufacturing and during test operations
- Marketing advantage

Customer

- Sprayer Ready-to-use
- No other immediate expenses / time / cost
- No „surpriseses“ with regard to design requirements
- Higher confidence to manufactures

General

- Control before use
- Test intervals from the start
- only approved equipment in use

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