

# DIN EN 14017:2009-12 (E)

## Agricultural and forestry machinery - Solid fertilizer distributors - Safety (includes Amendment A2:2009)

---

### Contents

|  | Page |
|--|------|
| Foreword.....  | 3    |
| Introduction .....   | 4    |
| 1 Scope .....  | 5    |
| 2 Normative references .....   | 6    |
| 3 Terms and definitions .....  | 6    |
| 4 List of significant hazards .....  | 7    |
| 5 Safety requirements and/or protective measures .....   | 8    |
| 5.1 General.....   | 8    |
| 5.2 Stability when parked and for manual handling.....   | 8    |
| 5.2.1 General.....   | 8    |
| 5.2.2 Mounted machines fitted with rollers for manual handling when dismantled.....  | 9    |
| 5.2.3 Machines with adjustable supporting devices .....  | 9    |
| 5.3 Distributing components .....  | 9    |
| 5.3.1 Swivelling and movable components.....   | 9    |
| 5.3.2 Spreading plates and oscillating tubes.....  | 9    |
| 5.4 Feeding components guarding .....  | 13   |
| 5.5 Loading .....  | 13   |
| 5.5.1 Safe access for loading.....   | 13   |
| 5.5.2 Boarding means to loading location.....  | 14   |
| 5.6 Checking of the hopper contents.....   | 15   |
| 5.7 Protection against ejection of fertilizer .....  | 16   |
| 5.8 Removal of the spreading device.....   | 16   |
| 5.9 Flow rate calibration system .....   | 16   |
| 5.10 Hitching and clearance zone .....   | 16   |
| 5.11 Noise .....   | 18   |
| 5.11.1 Noise reduction as a safety requirement .....   | 18   |
| 5.11.2 Verification of requirements on noise based on noise emission values.....   | 18   |
| 6 Verification of the safety requirements and/or protective measures.....  | 18   |
| 6.1 Stability when parked and for manual handling.....   | 18   |
| 6.1.1 General.....   | 18   |
| 6.1.2 Mounted machines fitted with rollers for manual handling when dismantled.....  | 18   |
| 6.2 Swivelling and movable components.....   | 18   |
| 7 Information for use .....  | 19   |
| 7.1 Instruction handbook.....  | 19   |
| 7.2 Marking .....  | 20   |
| Annex A (informative) Stability of the tractor distributor combination .....   | 21   |
| Annex B (informative) Examples of pictograms.....  | 22   |
| Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC .....   | 24   |
| Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC ..... | 25   |
| Bibliography .....   | 26   |