

BUREAU OF INDIAN STANDARDS
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मसौदा संशोधन सं. 1

आई एस 3652 : 2024 फसल संरक्षण उपस्कर – पैर चलित फुहारा – विशिष्ट और परीक्षण
संहिता (पांचवां पुनरीक्षण)

Draft AMMENDMENT NO. 1 to

IS 3652 : 2024 CROP PROTECTION EQUIPMENT — FOOT SPRAYER —
SPECIFICATION AND TEST CODE
(Fifth Revision)

Agricultural Machinery and Equipment Sectional Committee, FAD 11	Last date for Comments: 1 November 2025
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[Page 9, clause 10] — Add the following Note under the clause:

‘For routine and acceptance check, the sprayer or pump shall be run for a minimum period of 5 minutes.’

[Page 7, Table 2, col 2, S.No. iii)] — Substitute the existing with the following:

iii)	Hose connection		
	a) for delivery spout	Internal	G1/4
	b) for cut off device	Internal	G1/4
	c) for suction spout	Internal	G1/4

[Page 7, Table 2, col 2, S.No. v) c)] — Substitute ‘Bent portion for connection with straight portion (in case of type B2)’ for ‘Bent portion for connection with straight and portion (in case of type B2)’

[Page 7, clause 6.8.2.2] — Substitute ‘The hose connection, for cut of device side having threaded or nipple connection, shall be nut-nipple and clamp type respectively. The clamp shall be in the form of ferrule or clip.’ for ‘The hose connection, for cut of device aide having threaded or nipple connection, shall be nut-nipple and clamp type respectively. The clamp shall be in the form of rule or clip.’

[Page 17, Annex D, clause D-7.2.2, Para 2] — Substitute ‘The test liquid shall be changed after every 6 hours of use.’ For ‘The test liquid shall be changed after every 6 months of use.’

[Page 21, Annex F, clause F-2.4] — Substitute ‘The total length or the spray gun when measured from the top or the nozzle to the tip of the trigger or screw shall be not less than 500 mm.’ for ‘The total length or the spray gun when measured from the top or the nozzle to the tip of the trigger or screw shall be less than 500 mm.’

[Page 21, Annex G, clause G-7.2, sentence 1] — Substitute the following for existing:

‘Turn on the supply and adjust the pressure and direct the spray, for a period timed by stopwatch, into receiving vessel so designed as to collect the whole of the spray from the nozzle.’

[Page 21, Annex G, clause G-8.1.1] — Substitute the following for existing:

‘The patternator (see Fig. 20) normally consist of 16 channels each 25 ± 0.25 mm wide and of any convenient length provided that it encompasses the area of the spray. The number of channels may be increased or decreased so that the whole of the spray falls within the patternator. The channels lead the liquid directly to the measuring tube having a bore not more than 24 mm and be long enough to hold minimum of 200 ml test liquid. The depth of channels shall be at least 100 mm to avoid rebound of the spray droplets. The top edge of the trough dividers shall be sharp (tapered to not more than 0.25 mm width on the top edge) and straight in the horizontal plane, so that no point along with the edge lies more than 1 mm from the straight line joining the corresponding point at each end. The top edges of the dividers shall be positioned so that when a straight edge is laid across the full width of the front and back of the troughs no edge lies more than 1 mm below this. Each divider shall be straight in the vertical plane to within ± 0.25 mm.

NOTE — The surface of patternator should be such that the droplets should not stick on it.’

[Page 21, Annex G, clause **G-8.2.2**, line 2] — Insert word ‘at’ *after* ‘spray sheet is’.

[Page 21, Annex G, clause **G-10.1.1**, Table, S.No. iii), col 3] — Substitute ‘0.022 μm ’ for ‘0.0022 μm ’.

(FAD 11)