

Lumiscend™ LUXE seed treatment

Calibration - Wheat / Barley / Oats - A4 Applicator

Reference date: April 7, 2026

APPLICATION RATE	REQUIRED SETUP
325 mL / 100 kg seed	D5 Disc / #25 Core / 16 Mesh Strainer (A4 Standard Nozzle Kit)

Crop-specific flow conversions

Wheat: 88 mL / bu

Wheat flow	Chemical flow
bu / min	mL / min
10	880
12	1056
14	1232
16	1408
18	1584

Barley: 71 mL / bu

Barley flow	Chemical flow
bu / min	mL / min
12	852
14	994
16	1136
18	1278
20	1420
22	1562
24	1704

Oats: 50 mL / bu

Oats flow	Chemical flow
bu / min	mL / min
18	900
20	1000
22	1100
24	1200
26	1300
28	1400
30	1500
32	1600

A4 Applicator Calibration

Lumiscend LUXE seed treatment by crop

D5 Disc / #25 Core / 16 Mesh Strainer (A4 Standard Nozzle Kit)

Wheat calibration | 88 mL / bu

Wheat flow (bu / min)	Pressure (p.s.i.)	Chemical flow (mL / min)
11.1	10	979
13.8	15	1217
15.8	20	1390
16.9	25	1488
18.1	30	1590

Barley calibration | 71 mL / bu

Barley flow (bu / min)	Pressure (p.s.i.)	Chemical flow (mL / min)
13.8	10	979
17.1	15	1217
19.6	20	1390
21.0	25	1488
22.4	30	1590

Oats calibration | 50 mL / bu

Oats flow (bu / min)	Pressure (p.s.i.)	Chemical flow (mL / min)
19.6	10	979
24.3	15	1217
27.8	20	1390
29.8	25	1488
31.8	30	1590

Operating notes

- Store Lumiscend LUXE above 10 degrees Celsius before applying.
- Thoroughly agitate using a slurry mixer or by circulating before applying.
- Settling can occur between uses.
- Close shutoff valves and keep air out of the system between applications.
- Clean up with water after extended use.
- Blank off part of the auger inlet to limit grain flow to about 1/2 full flow.
- This will expose the most grain to the spray and maximize the uniformity of application.
- Determine grain flow rate by weighing a short run or timing the filling of a known-volume container.