

Straxan™ fungicide seed treatment Lumivia™ CPL insecticide seed treatment Tank-Mix

Calibration - Wheat / Barley / Oats - A4 Applicator

Reference date: March 28, 2024

APPLICATION RATES	REQUIRED SETUP
Straxan: 325 mL / 100 kg Lumivia CPL: 40 mL / 100 kg Total slurry: 365 mL / 100 kg	D6 Disc / #25 Core / 16 Mesh Strainer Use the listed components for the calibration values in this chart.

Volume requirements and bushels treated

Straxan (L)	Lumivia CPL (L)	Slurry (L)	Wheat (bu)	Barley (bu)	Oats (bu)
9.5	1.17	10.7	108	134	189
19.0	2.34	21.3	216	268	379
28.5	3.51	32.0	323	403	568
38.0	4.67	42.7	431	537	758
47.5	5.84	53.3	539	671	947
57.0	7.01	64.0	647	806	1137
66.5	8.18	74.7	754	939	1326
76.0	9.35	85.3	862	1074	1516

Crop-specific flow conversions

Wheat: 99 mL / bu

Wheat flow bu / min	Chemical flow mL / min
8	792
10	990
12	1188
14	1386
16	1584
18	1782
20	1980

Barley: 79.5 mL / bu

Barley flow bu / min	Chemical flow mL / min
12	954
14	1113
16	1272
18	1431
20	1590
22	1749
24	1908

Oats: 56 mL / bu

Oats flow bu / min	Chemical flow mL / min
18	1008
20	1120
22	1232
24	1344
26	1456
28	1568
30	1680
32	1792

A4 Applicator Calibration

Straxan + Lumivia CPL slurry by crop

D6 Disc / #25 Core / 16 Mesh Strainer

Wheat calibration | 99 mL / bu

Wheat flow (bu / min)	Pressure (p.s.i.)	Slurry flow (mL / min)
10.8	10	1070
12.7	15	1254
14.1	20	1395
15.4	25	1527
16.6	30	1640
17.7	35	1748
18.9	40	1871

Barley calibration | 79.5 mL / bu

Barley flow (bu / min)	Pressure (p.s.i.)	Slurry flow (mL / min)
13.5	10	1070
15.8	15	1254
17.5	20	1395
19.2	25	1527
20.6	30	1640
22.0	35	1748
23.5	40	1871

Oats calibration | 56 mL / bu

Oats flow (bu / min)	Pressure (p.s.i.)	Slurry flow (mL / min)
19.1	10	1070
22.4	15	1254
24.9	20	1395
27.3	25	1527
29.3	30	1640
31.2	35	1748
33.4	40	1871

Operating notes

- Thoroughly agitate Straxan + Lumivia CPL using a slurry mixer or by circulating before applying.
- Settling can occur between uses.
- Make sure the proper nozzles and strainers are installed.
- The required units are D6 Disc / #25 Core / 16 Mesh Strainer.
- 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 exposes more grain to the spray and maximizes application uniformity.
- Determine grain flow rate by weighing a short run or timing the filling of a known-volume container.