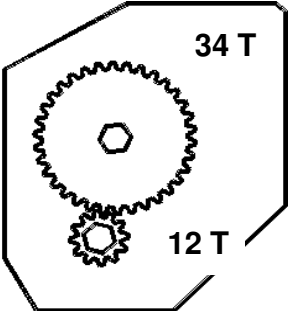
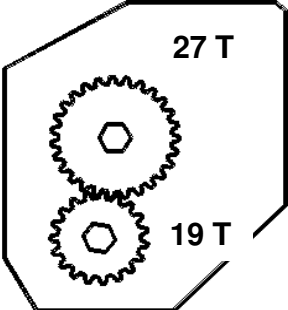


Flow Rates in lbs/acre for RED ROLLER

Apr-09

Valmar 1655, 2055, 3255 IM, 245 PT, 245TM, 242TM, 1255 PT, 1255TR, 6600/7600 PT, 5500PT

Red roller - 1/4 in. gap

| SMALL GRAINS | DENSITY LB/CFT | GEARBOX SETTING | | | | | | | | | | | | | | | | GEARBOX INPUT RATIO |
|---|-------------------|-----------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|---|--|
| | | NO. 1 | | NO. 2 | | NO. 3 | | NO. 4 | | NO. 5 | | NO. 6 | | NO. 7 | | NO. 8 | | |
| | | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | |
| Oats | 36 | 2.5 | 2.7 | 2.8 | 2.9 | 3.1 | 3.2 | 3.4 | 3.6 | 3.7 | 3.9 | 4.1 | 4.3 | 4.6 | 4.8 | 5.0 | ULTRA LOW RATIO  | |
| Flax | 40 | 2.7 | 2.9 | 3.0 | 3.2 | 3.3 | 3.5 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 | 4.6 | 4.9 | 5.1 | 5.4 | | |
| Large Coriander, Small Coriander | 19 | 2.8 | 3.0 | 3.1 | 3.3 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 | 4.6 | 4.8 | 5.1 | 5.3 | 5.6 | | |
| Biannual Caraway | 30 | 3.0 | 3.1 | 3.3 | 3.5 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 | 4.6 | 4.9 | 5.1 | 5.4 | 5.6 | 5.9 | | |
| Annual Caraway | 31 | 3.3 | 3.5 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 | 4.6 | 4.9 | 5.1 | 5.3 | 5.6 | 5.9 | 6.2 | 6.5 | | |
| Barley-Bonanza | 39 | 3.8 | 4.0 | 4.2 | 4.4 | 4.6 | 4.9 | 5.1 | 5.3 | 5.6 | 5.9 | 6.2 | 6.5 | 6.8 | 7.1 | 7.5 | | |
| Argentine Canola, Westar Canola | 41 | 4.0 | 4.2 | 4.4 | 4.6 | 4.8 | 5.1 | 5.3 | 5.6 | 5.9 | 6.2 | 6.5 | 6.8 | 7.2 | 7.5 | 7.9 | | |
| Laird Lentils, Yellow Mustard | 46 | 5.0 | 5.3 | 5.5 | 5.8 | 6.1 | 6.4 | 6.7 | 7.0 | 7.4 | 7.7 | 8.1 | 8.5 | 9.0 | 9.4 | 9.9 | | |
| Canary Seed, Polish Canola, Eston Lentils | 49 | 5.6 | 5.9 | 6.2 | 6.5 | 6.8 | 7.2 | 7.5 | 7.9 | 8.3 | 8.7 | 9.1 | 9.6 | 10.1 | 10.5 | 11.2 | | |
| Crown Millet | 46 | 6.5 | 6.9 | 7.2 | 7.6 | 7.9 | 8.3 | 8.7 | 9.2 | 9.6 | 10.1 | 10.6 | 11.1 | 11.7 | 12.2 | 12.9 | | |
| Rye, Wheat | 49 | 6.8 | 7.2 | 7.5 | 7.9 | 8.3 | 8.7 | 9.1 | 9.6 | 10.1 | 10.6 | 11.1 | 11.6 | 12.3 | 12.8 | 13.6 | | |
| Oats | 36 | 5.0 | 5.3 | 5.6 | 5.9 | 6.1 | 6.5 | 6.8 | 7.1 | 7.5 | 7.8 | 8.2 | 8.6 | 9.1 | 9.5 | 10.0 | | LOW RATIO  |
| Flax | 40 | 5.4 | 5.7 | 6.0 | 6.3 | 6.6 | 6.9 | 7.2 | 7.6 | 8.0 | 8.4 | 8.8 | 9.2 | 9.7 | 10.1 | 10.7 | | |
| Large Coriander, Small Coriander | 19 | 5.6 | 6.0 | 6.2 | 6.6 | 6.9 | 7.2 | 7.6 | 8.0 | 8.4 | 8.8 | 9.2 | 9.6 | 10.2 | 10.6 | 11.2 | | |
| Biannual Caraway | 30 | 5.9 | 6.3 | 6.5 | 6.9 | 7.2 | 7.6 | 8.0 | 8.4 | 8.8 | 9.2 | 9.7 | 10.1 | 10.7 | 11.1 | 11.8 | | |
| Annual Caraway | 31 | 6.5 | 6.9 | 7.2 | 7.6 | 8.0 | 8.4 | 8.8 | 9.2 | 9.7 | 10.1 | 10.7 | 11.1 | 11.8 | 12.3 | 13.0 | | |
| Barley-Bonanza | 39 | 7.6 | 8.0 | 8.3 | 8.8 | 9.2 | 9.7 | 10.2 | 10.7 | 11.2 | 11.7 | 12.3 | 12.9 | 13.6 | 14.2 | 15.1 | | |
| Argentine Canola, Westar Canola | 41 | 7.9 | 8.4 | 8.8 | 9.2 | 9.7 | 10.2 | 10.7 | 11.2 | 11.8 | 12.3 | 13.0 | 13.6 | 14.3 | 14.9 | 15.8 | | |
| Laird Lentils, Yellow Mustard | 46 | 9.9 | 10.5 | 10.9 | 11.6 | 12.1 | 12.7 | 13.3 | 14.0 | 14.7 | 15.4 | 16.2 | 16.9 | 17.9 | 18.7 | 19.8 | | |
| Canary Seed, Polish Canola, Eston Lentils | 49 | 11.2 | 11.8 | 12.3 | 13.0 | 13.6 | 14.3 | 15.0 | 15.8 | 16.5 | 17.3 | 18.2 | 19.1 | 20.1 | 21.0 | 22.2 | | |
| Crown Millet | 46 | 12.9 | 13.7 | 14.3 | 15.1 | 15.8 | 16.6 | 17.4 | 18.2 | 19.2 | 20.1 | 21.1 | 22.1 | 23.3 | 24.3 | 25.8 | | |
| Rye, Wheat | 49 | 13.6 | 14.4 | 15.0 | 15.8 | 16.5 | 17.4 | 18.2 | 19.1 | 20.1 | 21.1 | 22.2 | 23.2 | 24.5 | 25.5 | 27.0 | | |

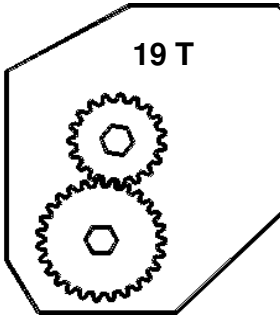
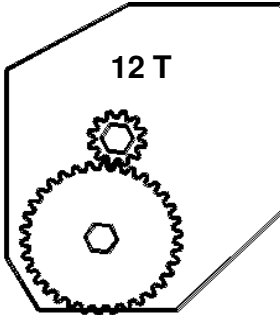
USE THIS CHART AS A GUIDE ONLY, CALIBRATE YOUR APPLICATOR.

Flow Rates in lbs/acre for RED ROLLER

Apr-09

Valmar 1655, 2055, 3255 IM, 245 PT, 245TM, 242TM, 1255 PT, 1255TR, 6600/7600 PT, 5500PT

Red roller - 1/4 in. gap

| SMALL GRAINS | DENSITY LB/CFT | GEARBOX SETTING | | | | | | | | | | | | | | | | GEARBOX INPUT RATIO | |
|---|-------------------|-----------------|---|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--|---|
| | | NO. 1 | | NO. 2 | | NO. 3 | | NO. 4 | | NO. 5 | | NO. 6 | | NO. 7 | | NO. 8 | | | |
| | | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | | |
| Oats | 36 | 10.2 | | 10.8 | 11.2 | 11.8 | 12.4 | 13.0 | 13.7 | 14.3 | 15.1 | 15.8 | 16.6 | 17.4 | 18.3 | 19.1 | 20.3 | MEDIUM RATIO  | |
| Flax | 40 | 10.9 | | 11.5 | 12.0 | 12.7 | 13.3 | 14.0 | 14.6 | 15.4 | 16.1 | 16.9 | 17.8 | 18.6 | 19.6 | 20.5 | 21.7 | | |
| Large Coriander, Small Coriander | 19 | 11.4 | | 12.1 | 12.6 | 13.3 | 13.9 | 14.6 | 15.3 | 16.1 | 16.9 | 17.7 | 18.6 | 19.4 | 20.5 | 21.4 | 22.7 | | |
| Biannual Caraway | 30 | 11.9 | | 12.7 | 13.2 | 13.9 | 14.6 | 15.3 | 16.1 | 16.9 | 17.7 | 18.6 | 19.5 | 20.4 | 21.6 | 22.5 | 23.8 | | |
| Annual Caraway | 31 | 13.2 | | 13.9 | 14.6 | 15.4 | 16.1 | 16.9 | 17.7 | 18.6 | 19.5 | 20.5 | 21.5 | 22.5 | 23.8 | 24.8 | 26.3 | | |
| Barley-Bonanza | 39 | 15.3 | | 16.1 | 16.9 | 17.8 | 18.6 | 19.6 | 20.5 | 21.5 | 22.6 | 23.7 | 24.9 | 26.1 | 27.5 | 28.7 | 30.4 | | |
| Argentine Canola, Westar Canola | 41 | 16.0 | | 17.0 | 17.7 | 18.7 | 19.5 | 20.6 | 21.5 | 22.6 | 23.7 | 24.9 | 26.2 | 27.4 | 28.9 | 30.1 | 31.9 | | |
| Laird Lentils, Yellow Mustard | 46 | 20.0 | | 21.2 | 22.1 | 23.3 | 24.4 | 25.7 | 26.9 | 28.3 | 29.7 | 31.1 | 32.7 | 34.2 | 36.1 | 37.7 | 39.9 | | |
| Canary Seed, Polish Canola, Eston Lentils | 49 | 22.5 | | 23.9 | 24.9 | 26.3 | 27.5 | 28.9 | 30.3 | 31.8 | 33.4 | 35.0 | 36.8 | 38.5 | 40.6 | 42.4 | 44.9 | | |
| Crown Millet | 46 | 26.1 | | 27.6 | 28.8 | 30.4 | 31.8 | 33.5 | 35.1 | 36.8 | 38.7 | 40.5 | 42.7 | 44.6 | 47.1 | 49.1 | 52.0 | | |
| Rye, Wheat | 49 | 27.4 | | 29.0 | 30.3 | 31.9 | 33.4 | 35.2 | 36.8 | 38.7 | 40.6 | 42.5 | 44.8 | 46.8 | 49.4 | 51.6 | 54.6 | | |
| Oats | 36 | 20.3 | | 21.4 | 22.4 | 23.6 | 24.7 | 26.0 | 27.2 | 28.6 | 30.0 | 31.5 | 33.1 | 34.6 | 36.5 | 38.1 | 40.4 | | HIGH RATIO  |
| Flax | 40 | 21.7 | | 23.0 | 24.0 | 25.3 | 26.4 | 27.8 | 29.2 | 30.6 | 32.2 | 33.7 | 35.5 | 37.1 | 39.1 | 40.8 | 43.2 | | |
| Large Coriander, Small Coriander | 19 | 22.7 | | 24.0 | 25.1 | 26.5 | 27.7 | 29.1 | 30.5 | 32.0 | 33.6 | 35.2 | 37.1 | 38.8 | 40.9 | 42.7 | 45.2 | | |
| Biannual Caraway | 30 | 23.8 | | 25.2 | 26.3 | 27.8 | 29.0 | 30.6 | 32.0 | 33.6 | 35.3 | 37.0 | 38.9 | 40.7 | 43.0 | 44.8 | 47.5 | | |
| Annual Caraway | 31 | 26.3 | | 27.8 | 29.0 | 30.6 | 32.0 | 33.7 | 35.3 | 37.1 | 38.9 | 40.8 | 42.9 | 44.9 | 47.4 | 49.4 | 52.4 | | |
| Barley-Bonanza | 39 | 30.4 | | 32.2 | 33.6 | 35.5 | 37.1 | 39.0 | 40.9 | 42.9 | 45.1 | 47.2 | 49.7 | 52.0 | 54.9 | 57.2 | 60.6 | | |
| Argentine Canola, Westar Canola | 41 | 31.9 | | 33.8 | 35.3 | 37.2 | 38.9 | 41.0 | 42.9 | 45.1 | 47.3 | 49.6 | 52.2 | 54.6 | 57.6 | 60.1 | 63.6 | | |
| Laird Lentils, Yellow Mustard | 46 | 39.9 | | 42.2 | 44.1 | 46.5 | 48.6 | 51.2 | 53.6 | 56.3 | 59.1 | 62.0 | 65.2 | 68.2 | 72.0 | 75.1 | 79.5 | | |
| Canary Seed, Polish Canola, Eston Lentils | 49 | 44.9 | | 47.6 | 49.6 | 52.4 | 54.8 | 57.7 | 60.4 | 63.4 | 66.6 | 69.8 | 73.4 | 76.8 | 81.0 | 84.6 | 89.5 | | |
| Crown Millet | 46 | 52.0 | | 55.1 | 57.5 | 60.7 | 63.4 | 66.8 | 70.0 | 73.5 | 77.1 | 80.8 | 85.1 | 88.9 | 93.9 | 98.0 | 103.7 | | |
| Rye, Wheat | 49 | 54.6 | | 57.8 | 60.3 | 63.7 | 66.6 | 70.1 | 73.4 | 77.1 | 80.9 | 84.8 | 89.3 | 93.3 | 98.5 | 102.8 | 108.8 | | |

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