

Calibrating Grain Drills

Number of Wheat Seeds per ft of row based on Row Spacing and Seed Rate** (Based on 13,500 seeds/lb)					
	-----Seeding Rate-----				
Row Spacing	60 Lbs/ac	90 Lbs/acre	120 Lbs/acre	150 Lbs/acre	180 Lbs/acre
6 Inch	9.3	14.0	18.6	23.2	28.0
7.5 Inch	11.6	17.4	23.2	29.1	34.9
8 Inch	12.4	18.6	24.8	31.0	37.1
10 Inch)	15.5	23.2	31.0	38.7	46.5
Broadcast (seeds/ft ²)	18.6	27.9	37.2	46.5	55.8

How do you determine number of seeds/ft of row if you have a different seed size?

For Example.

Your producer's seed size is 16,000 Seeds/lb and he wants to plant 120 lbs/acre with a grain drill with 7.5 inch row spacing. He wants to know how many seeds per foot of row should be planted?

1. Determine the number of seeds per square foot.

120 lbs/acre of seed X 16,000 seeds/lb = 1,920,000 seeds/acre.

1,920,000 seeds/acre divide by 43,560 ft²/acre = 44 seeds/ft²

2. Determine how many seeds per foot of row

7.5 inch row spacing divide by 12 inches = 0.625 ft²

0.625 ft² x 44 seeds/ft² = 27.5 seeds/ft of row on 7.5 inch wide rows