

MEASURE WHEEL METHOD

1. Walk out into the field, set the measuring wheel to zero, and push it down a row while counting plants. It's much faster to count plants in groups of three.
2. When you've counted up to 150 plants, stop and note how many feet of travel the measuring wheel has recorded.
3. Divide the number of feet traveled into the following factor to determine plant population:

Row spacing (in.)	Factor
20	3,920,400
22	3,564,000
24	3,267,000
26	3,015,700
28	2,800,300
30	2,613,600
32	2,450,250
34	2,306,100
36	2,178,000
38	2,063,350

For example, if you walked 124 feet while counting 150 plants in 30-inch rows, the population is $2,613,600/124=21,077$. Write down the factor for your row spacing, and enter it into calculator memory to use while you're taking counts.

- *University of Illinois Agronomy Handbook* -

HOW TO CHECK CORN POPULATION

Row Width	Row Length equal to 1/1000th of an acre
40"	13' 1"
38"	13' 9"
36"	14' 6"
30"	17' 5"
22"	23' 8"
20"	26' 2"
15"	34' 10"