Worksheet for Estimating Corn Yields

Notes:

1. Read "[Decision Points While Estimating Grain Yield before Harvest](#)" found online on the IPM website.

2. Column 1 assumes sample area is 1/1000 acre. Examples of row lengths required for 1/1000 acre are: 30-inch rows = 17 feet 5 inches and 15-inch rows = 34 feet 10 inches. If some other area size is used, adjust default in column 5.

3. Include small ears in column 1 only if represent sample area. Do not count ears likely to be missed by combine.

4. Count kernel rows on at least five ears in each sample area and record actual average in column 2.

5. Count kernels in several rows on each of the ears used in column 2 and record average in column 3. Do not count kernels that are less than half the size of other kernels on ear.

6. The default kernel number per bushel is 85,000. Adjust number in column 5 if warranted.

7. Field average is the average of estimates made in 8 to 10 sample areas.

Example

1. Number of ears in 1/1000 acre		2. Average number of kernel rows		3. Average number of kernels per row		4. Kernels per 1/1000 acre		5. Number of kernels per bushel / 1000 (default is 85)		6. Estimated yield (bushels/acre)
23	X	16	X	33	=	12,144	÷	85	=	143

1. Number of ears in 1/1000 acre		2. Average number of kernels rows		3. Average number of kernels per row		4. Kernels per 1/1000 acre		5. Number of kernels per bushel / 1000 (default is 85)		6. Estimated yield (bushels/acre)
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	=	_____
								Field average	=	