

## Worksheet for Estimating Soybean 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, 15-inch rows = 34 feet 10 inches, and 7.5-inch rows = 69 feet 8 inches. If some other area size is used, adjust default in column 5.
3. Include plants with few pods in column 1 only if they represent sample area.
4. Count number of pods on 10 plants (more if warranted) in each sample area and record average in column 2.
5. Default number of seeds per pod is 2.5. Adjust if warranted and record in column 3.
6. Default number of seeds per pound is 2800. Adjust as warranted and record number divided by 1000 in column 5.
7. Bushel weight for soybean is 60 pounds. Do not adjust.
8. Field average is the average of estimates made in 8 to 10 sample areas.

*Example*

1. Number of plants in 1/1000 acre		2. Average number of pods per plant		3. Number of seeds per pod (default is 2.5)		4. Number of seeds per 1/1000 acre		5. Number of seeds per pound / 1000 (default is 2.8)		6. Pounds per bushel (60)		7. Estimated yield (bushels/acre)
135	X	22	X	2.5	=	7,425	÷	2.8	÷	60	=	44.2

1. Number of plants in 1/1000 acre		2. Average number of pods per plant		3. Number of seeds per pod (default is 2.5)		4. Number of seeds per 1/1000 acre		5. Number of seeds per pound / 1000 (default is 2.8)		6. Pounds per bushel (60)		7. Estimated yield (bushels/acre)
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
_____	X	_____	X	_____	=	_____	÷	_____	÷	60	=	_____
Field average											=	_____