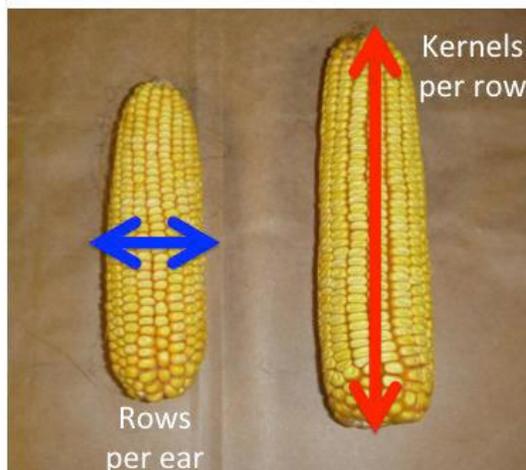


2020 Great Ontario Yield Tour Corn Scouting Guidelines

1. Record county name, GPS location, etc. on website or worksheet.
2. Measure and record the row width spacing.
3. Enter a representative part of the field, move past the headland rows, and then walk an additional 30 paces into the field.
4. At this sampling location measure out 30' of row using rope provided or a measuring tape.
5. Count the number of viable ears in 30' of row. Do not count plants that have no ears and do not count ears that are barren (very few kernels) unless they accurately represent the field.
6. Pull ears from the 5th, 8th and 11th plants from the row section.
 - a. *If there is more than 1 ear on the 5th, 8th, or 11th plant – pull dominant ear only.*

Move 30 paces to the left or right of this sampling location and repeat steps 4 through 6.

7. You will now have collected 6 representative ears.
8. On those ears, count the number of kernel rows around (it will be an even number) and count the number of kernels in a row. Be careful to not count too far out to the tip end of the ear especially when there are unpollinated kernels or if the ear tapers rapidly.
9. Record all data on the website or on the worksheet.
10. Note any interesting aspects of the crop (severe drought, leaf diseases covering the ear leaf, etc.) in the comment section.



2020 Great Ontario Yield Tour Corn Worksheet

Sampler: _____

Date : _____

County: _____

GPS Location: _____

Grower: _____

Field: _____

Row Width Spacing
(inches): _____

of Ears in Sample Row #1:
(in 30 feet) _____

	# of Kernel Rows	# of Kernels in Row
Ear 5		
Ear 8		
Ear 11		

of Ears in Sample Row #2:
(in 30 feet) _____

	# of Kernel Rows	# of Kernels in Row
Ear 5		
Ear 8		
Ear 11		

Site Averages <i>(please average the data recorded above)</i>		
Average # of Ears per 30' row	Average # of Kernel Rows	Average # of Kernels in a Row

Row width	Yield Factor
15	76
20	101
22	111
30	150
36	180
38	190

Yield Calculation	
# Ears x # Rows x # Kernels	Yield Factor (from table)
Yield Estimate (bu/acre) (Ears x Rows x Kernels / Yield Factor)	

Comments: _____