



### Form 7 - Ear Count & Pre-Harvest Assessment

Timing: Conduct one ear count assessment between the late R4 (dough stage - kernels have started to dent) and the R6 (black-layer/maturity) stage.

Ear Count Instructions: At each of the 5 flagged locations, identify a single row to conduct your count (if possible, use the marked areas from the early stand assessments, but make sure to use a different row than was used for the earlier season leaf tissue sampling). Within that row, select one average ear from 5 different plants, for a total of 5 ears per row. Count and record the number of kernels around the cob (i.e. the width) and the number of kernels along the length of the cob.

| Date: _____ | Ear 1            |                | Ear 2            |                | Ear 3            |                | Ear 4            |                | Ear 5            |                |
|-------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|             | # kernels around | # kernels long | # kernels around | # kernels long | # kernels around | # kernels long | # kernels around | # kernels long | # kernels around | # kernels long |
| Location 1  |                  |                |                  |                |                  |                |                  |                |                  |                |
| Location 2  |                  |                |                  |                |                  |                |                  |                |                  |                |
| Location 3  |                  |                |                  |                |                  |                |                  |                |                  |                |
| Location 4  |                  |                |                  |                |                  |                |                  |                |                  |                |
| Location 5  |                  |                |                  |                |                  |                |                  |                |                  |                |

Pre-Harvest Instructions: At the same 5 flagged locations where you conducted the early season stand assessments, count both the total number of corn plants and the total number of ear-bearing plants within the 1/1000<sup>th</sup> of an acre section. Repeat

the same assessment in the adjacent row at each of the five locations within the test area for a total of 10 rows assessed, similar to when you conducted your early season stand assessment.

What length of row was used for the following counts? \_\_\_\_\_

|       |   | Total # corn plants | Total # ear-bearing plants |
|-------|---|---------------------|----------------------------|
| Row 1 | A |                     |                            |
|       | B |                     |                            |
| Row 2 | A |                     |                            |
|       | B |                     |                            |
| Row 3 | A |                     |                            |
|       | B |                     |                            |
| Row 4 | A |                     |                            |
|       | B |                     |                            |
| Row 5 | A |                     |                            |
|       | B |                     |                            |