# FORM B CORN YIELD COUNTS - 2023

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**United States Department of Agriculture**

**NATIONAL AGRICULTURAL STATISTICS SERVICE**

Date: _____

**UNIT LOCATION**

| | UNIT 1 | | UNIT 2 |
|---|---|---|---|
| 1. Number of rows along edge of field..... | | + 30 | |
| 2. Number of paces into field..... | | + 30 | |

3. Has operator applied pesticides with organophosphorus content to the sample field?

☐ Yes ☐ No

If YES, enter latest application date _____ and name of pesticide _____

4. UNIT LOCATION CODE.....

1 First visit to lay out unit
2 Unit relocated this month
3 Sample unit laid out previously

| | UNIT 1 | UNIT 2 |
|---|---|---|
| Enter Code | 302 | 307 |

If code = 3, skip to Item 6

5. ROW SPACE MEASUREMENTS

| | UNIT 1 | UNIT 2 |
|---|---|---|
| a. Measure distance from stalks in Row 1 to stalks in Row 2..... Feet & Tenths | 303 .___ | 304 .___ |
| b. Measure distance from stalks in Row 1 to stalks in Row 5..... Feet & Tenths | 305 .___ | 306 .___ |

**Designated Measurement Areas:**

| MATURITY CODES FOR ITEM 6 | | | |
|---|---|---|---|
| **For Month** | **Use Area Beyond** | **Maturity Code** | |
| Sept. 1 | Unit 1, Row 1 | 2 = Pre-Blister | 5 = Dough |
| Oct. 1 | Unit 1, Row 2 | 3 = Blister | 6 = Dent |
| Nov. 1 | Unit 2, Row 1 | 4 = Milk | 7 = Mature |

Husk the first 5 ears or silked ear shoots beyond the unit in the designated measurement area and examine for maturity. Enter the maturity code in the box for the corresponding ear, sum the five maturity codes and enter the total in cell 301.
If ears or silked ear shoots are not yet present, Check ☐ and complete Item 11 only.

| EAR NUMBER | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | TOTAL OF 5 EARS |
| | | | | | 301 |

6. MATURITY CODE of first 5 ears or silked ear shoots

a. Will harvest occur within 3 days?

☐ No - Go to Item 6b
☐ Yes - Complete Items 11, 14, 15, 16 & 17

b. Are three or more ears in maturity code 7?

☐ No - Go to Item 6c
☐ Yes - Complete Items 11, 14, 15, 16 & 17

c. Does Item 301 equal 23 or more?

☐ No - Go to Item 6d
☐ Yes - Complete Items 7, 8, 9, 10, 11 & 14

d. Does Item 301 equal 13 to 22?

☐ No - Complete Items 11, 12, 13 & 14
☐ Yes - Complete Items 7, 8, 9, 10, 11, 12, 13 & 14

| | | EAR NUMBER | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 7. Maturity code of each of the first 5 ears Code 3 or higher (*copy maturity from Item 6. Replace Code 2 ears with next code 3 or higher.*)..... | Code | 320 | 321 | 322 | 323 | 324 |
| 8. Average length of kernel rows (*Item 7 ears*)..... | Inches & Tenths | 326 .___ | 327 .___ | 328 .___ | 329 .___ | 330 .___ |
| 9. Diameter of the ear one inch from the butt of the cob (*Item 7 ears*)..... | Millimeters & Tenths | 336 .___ | 337 .___ | 338 .___ | 339 .___ | 340 .___ |

10. Are 3 or more ears (*Item 7*) in maturity code 6 or 7?

☐ No - Continue to Item 11

☐ Yes -
1. Harvest the first 5 ears beyond the unit which are coded 6 or 7.
2. Place the third and fourth ears in a cloth bag and attach a completed ID tag to the outside.
3. Place the other three (*first, second and fifth*) ears in a Tyvek envelope.
4. Place the cloth bag containing the third and fourth ears in the envelope with the other three ears.
5. Ship the sealed Tyvek envelope with all 5 ears to the National Lab.
6. Check Here ☐ when complete.

| **COUNTS WITHIN 15 FOOT UNITS** | UNIT 1 | | UNIT 2 | |
|---|---|---|---|---|
| | ROW 1 | ROW 2 | ROW 1 | ROW 2 |
| 11. Number of stalks ..... | 331 | 332 | 333 | 334 |
| 12. Number of stalks with ears or silked ear shoots (Item 12 cannot exceed Item 11 for any row.)..... | 341 | 342 | 343 | 344 |
| 13. Number of ears and silked ear shoots (Item 13 MUST equal or exceed Item 12 for any row.)..... | 351 | 352 | 353 | 354 |
| 14. Number of ears with evidence of kernel formation (Item 14 cannot exceed Item 13 for any row.)..... | 361 | 362 | 363 | 364 |

**HARVESTING SAMPLE UNITS**

| | | UNIT 1, ROW 1 | UNIT 2, ROW 1 |
|---|---|---|---|
| 15. HUSK and TAG the 3rd and the 4th ears in Row 1 of both units. Husk remaining ears and weigh ALL ears with grain in Row 1 of each unit regardless of maturity stage. **Number of ears husked** with grain (*include 3rd and 4th ears*)..... **Verify:** Cell 312 equals Item 14 cell 361 and cell 313 equals Item 14 cell 363 | Number | 312 | 313 |
| 16. Weight of ears with grain and any accidentally shelled kernels from Row 1 of each unit (*include 3rd and 4th ears, exclude weight of containers*)..... | Pound & Hundredths | 314 . ___ ___ | 315 . ___ ___ |

17. Place 3rd and 4th ears of Row 1 in separate plastic bags for each unit. After completing Items 15 and 16, send 3rd and 4th ears to the National Lab.

18. Did you leave the ears of corn where the operator requested?

☐ Yes ☐ No

ENUMERATOR COMMENTS: _____

ENUMERATOR: _____

| | |
|---|---|
| Enumerator Number | 390 |
| Supervisor Number | 391 |
| Evaluation | 393 |

19. Did a supervisor assist you in working a sample? 1☐ Yes 3☐ No

**UPS Tracking Number:** _____

(For samples sent to National Laboratory)

STATUS CODE 380