



FORM B **CORN YIELD COUNTS** **2018**



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

Date: _____

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

☐ YES ☐ NO

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

2. **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

Go to Item 4 when coded 3; otherwise go to Item 3.

3. **ROW SPACE MEASUREMENTS**

a. Measure distance from stalks in Row 1 to stalks in Row 2 Feet & Tenths

	UNIT 1	UNIT 2
303	. ____	304
305	. ____	306

b. Measure distance from stalks in Row 1 to stalks in Row 5 Feet & Tenths

Designated Measurement Areas:

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

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 9 only**.

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

4. **MATURITY CODE** of first 5 ears or silked ear shoots

a. Will harvest occur within 3 days?

₃ ☐ **NO** Go to item 4b

₁ ☐ **YES** Complete Items **9, 12, 13, 14 & 15.**

c. Does Item 301 equal 23 or more?

₃ ☐ **No** Go to item 4d

₁ ☐ **YES** Complete Items **5, 6, 7, 8, 9 & 12.**

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

₃ ☐ **NO** Go to Item 4c

₁ ☐ **YES** Complete Items **9, 12, 13, 14 & 15**

d. Does Item 301 equal 13 to 22?

₃ ☐ **NO** Complete Items **9, 10, 11 & 12**

₁ ☐ **YES** Complete Items **5, 6, 7, 8, 9, 10, 11 & 12.**

5. **Maturity code** of each of the first 5 ears Code 3 or higher (*copy maturity from Item 4. Replace Code 2 ears with next code 3 or higher.*) **Code**
6. **Average length of kernel rows** (*Item 5 ears*) **Inches & Tenths**
7. **Diameter of the ear** one inch from the butt of the cob. (*Item 5 ears*) **Millimeters & Tenths**
8. Are 3 or more ears (*Item 5*) in maturity code 6 or 7?

EAR NUMBER

1	2	3	4	5
320	321	322	323	324
326	327	328	329	330
336	337	338	339	340

3 ☐ **NO** - Combined weight of the 5 ears. . . . **Pounds & Hundredths**

375 .

Continue to Item 9

- 1 ☐ **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.
 - ▶ 3 Place the other three (*first, second and fifth*) ears in a Tyvek envelope.
 - ▶ 4 Place the cloth bag with the third and fourth ears in the envelope with the other three ears.
 - ▶ 5 Complete a sample ID tag and ship to the **National Lab**.
 - ▶ 6 **Check Here** ☐ when complete.

COUNTS WITHIN 15 FOOT UNITS

9. Number of **stalks**
10. Number of **stalks with ears** or silked ear shoots (*Item 10 cannot exceed Item 9 for any row.*)
11. Number of **ears** and silked ear shoots (*Item 11 MUST equal or exceed Item 10 for any row.*)
12. Number of **ears** with evidence of **kernel formation** (*Item 12 cannot exceed Item 11 for any row.*)

UNIT 1

UNIT 2

ROW 1	ROW 2	ROW 1	ROW 2
331	332	333	334
341	342	343	344
351	352	353	354
361	362	363	364

HARVESTING SAMPLE UNITS

13. HUSK and TAG the 3rd and 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*) **Number**

Verify: Cell 312 equals Item 12 cell 361 and
Cell 313 equals Item 12 cell 363

14. **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*)

Pounds & Hundredths

UNIT 1, ROW 1

UNIT 2, ROW 1

312	313
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314	315
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15. Place 3rd and 4th ears of Row 1 in separate plastic bags for each unit. After completing Items 13 and 14, send Form B to the State Office and Send 3rd and 4th ears to the National Lab.

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

1 ☐ **YES**

3 ☐ **NO**

ENUMERATOR COMMENTS: _____

ENUMERATOR:

17. Did a supervisor assist you in working this sample? 1 ☐ **YES** 3 ☐ **NO**

UPS Tracking Number: _____

(For samples sent to National Laboratory)

Enumerator Number

390

Supervisor Number

391

Evaluation

393

UNIT 1

STATUS CODE

380