

## CORN STAND EVALUATION CHART (% of Yield Potential)

Planting Date	Plant Population (final) Stand per acre											[Population x Hybrid Specific]			
	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
10-April	62	68	73	78	82	85	88	91	92	93	94	94	93	91	
15-April	65	71	76	81	85	88	91	94	95	96	97	96	96	94	
20-April	67	73	78	83	87	90	93	96	97	98	99	98	98	96	
25-April	68	74	79	84	88	92	94	97	98	99	100	100	99	97	
30-April	68	74	79	84	88	92	95	97	99	100	100	100	99	97	
5-May	67	73	79	83	87	91	94	96	98	99	99	99	98	97	
10-May	65	71	77	82	86	89	92	94	96	97	97	97	96	95	
15-May	63	69	74	79	83	87	89	92	93	94	95	95	94	92	
20-May	59	65	71	75	80	83	86	88	90	91	91	91	90	89	
25-May	55	61	66	71	75	79	81	84	85	86	87	87	86	84	
30-May	49	55	61	65	70	73	76	78	80	81	81	81	80	79	
4-June	43	49	54	59	63	67	70	72	74	75	75	75	74	73	
9-June	36	42	47	52	56	60	62	65	66	67	68	68	67	65	

Adapted from Nafziger, 1994. J. Prod. Ag 7:59-62. Yield response to planting date extrapolated beyond May 25 with concurrence of author.

### Additional Yield Reduction Due to Gaps and Uneven Emergence

- Deduct another **5%** from yield potential if **gaps of 1-3 feet** within the row exist.
- Deduct another **10%** from yield potential if **gaps of 4-6 feet** within the row exist.

If one-half or more of the plants are two collars or more behind:

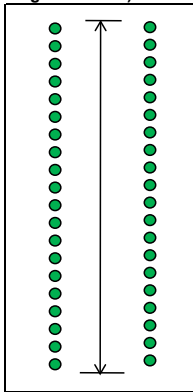
- **Deduct another 10%** from yield for **uneven emergence** within the row.

### Length of row equal to 1/1000th acre.

Row width	Length of row equal to 1/1000th acre	
<b>15 inches</b>	<b>34 feet</b>	<b>10 inches</b>
<b>20 inches</b>	<b>26 feet</b>	<b>2 inches</b>
<b>30 inches</b>	<b>17 feet</b>	<b>5 inches</b>
<b>36 inches</b>	<b>14 feet</b>	<b>6 inches</b>
<b>38 inches</b>	<b>13 feet</b>	<b>9 inches</b>
<b>40 inches</b>	<b>13 feet</b>	<b>1 inch</b>

### Helpful Hints for determining stands

**Row to Row "Uniformity" of stand**  
(average of 2 rows) 1/1000 acre



**"Non-Uniform" Row to Row stands**  
(average of 10 rows) 1/100th of an acre

