

## Decisions For Replanting

1. Calendar Date: Yields drop rapidly for corn planted after May 20. Also, replanting may delay planting of other crops.
2. Percentage of Field Affected: Replant sections of the field if low populations are in a defined area.
3. Uniformity of Stand: Large gaps reduce yields more than scattered missing plants.
4. Direct and Hidden Costs: Tillage, labor and seed costs will offset approximately 10 bushels of yield per acre.
5. Herbicides and Insecticides: May need to be reapplied or eliminate opportunity entirely.
6. Stand of Replanted Corn: You may have no guarantee the stand of replanted corn will be perfect.

Planting Date	Plants Per Acre At Harvest													
	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000			
April 10	62	70	76	82	86	90	92	94	94	94	93			
April 15	65	73	79	84	89	92	95	97	97	97	95			
April 20	67	74	81	86	91	94	97	98	99	99	97			
April 25	68	75	82	87	92	95	98	99	100	100	98			
April 30	68	75	82	87	92	95	98	99	100	100	98			
May 4	67	75	81	86	91	94	97	99	99	99	97			
May 9	65	73	79	85	89	93	95	97	97	97	96			
May 14	63	70	76	82	86	90	92	94	95	94	93			
May 19	59	66	73	78	83	86	89	90	91	91	89			
May 24	54	62	68	74	78	82	84	86	86	86	85			
May 29	49	56	63	68	73	76	79	80	81	80	79			

Grain yields when expressed as a percentage of the optimum planting date and plant population combination.

The above chart is based on data compiled by the University of Illinois and presented in the 2004-2005 Illinois Agronomy Handbook. The research was conducted on dark soils in Central and Northern Illinois and conclusions may not be applicable to all areas and soil types.