

REPLANT DECISION CONSIDERATIONS

Table 1. Relative yield potential of corn by planting date and population

| | Planting Date | | | | |
|-------------------------------------|------------------------------|--------------|--------------|----------------------|--------------|
| | April 20– May 5 | May 5– 15 | May 15–25 | May 25– June 5 | June 5–15 |
| Population (Plants/Acre) | Percent Maximum Yield | | | | |
| 45,000 | 97 | 93 | 85 | 68 | 52 |
| 40,000 | 99 | 95 | 86 | 69 | 53 |
| 35,000 | 100 | 96 | 87 | 70 | 54 |
| 30,000 | 99 | 95 | 86 | 69 | 53 |
| 25,000 | 95 | 91 | 83 | 67 | 51 |
| 20,000 | 89 | 85 | 77 | 63 | 48 |
| 15,000 | 81 | 78 | 71 | 57 | 44 |
| 10,000 | 71 | 68 | 62 | 50 | 38 |

Note: Values based on preliminary Iowa research and modeling; 100% yield potential is estimated to occur with 35,000 plant population and early planting. From: Iowa State University Extension, Corn Field Guide, CSI 001. 2009. In Press.

Remember to consider these factors before making a corn replant decision:

1. Original target plant population
2. Plant stand after damage (plants per acre) *
3. Uniformity of plant stand after damage
4. Original planting date
5. Possible replanting date
6. Likely replanting costs per acre (pesticide, fertilizer, seed, fuel, labor, equipment)

* SEE WYFFELS "TAKING PLANT POPULATION COUNTS" INFO SHEET AT www.wyffels.com