Replant Corn - Making the Most of a Second Chance

Table 1.		Replant Yield Potential (APH x %)
Replant Date	% of Max Yield	
4/20	100.0%	
4/30	98.8%	
5/10	95.8%	
5/20	91.4%	
5/30	85.6%	
6/5	81.3%	

*http://bulletin.ipm.illinois.edu/?p=3848

Termination Cost		Original Plant Date	
Replant Cost		Replant Date	
Corn Price		Enter APH	
2020 Crop Insurance Replant Payment: 8 bu/acre @ $3.88			$31.04

Table 2.	APH	180-240	140-180
Stand Count		bu/1000 ears	
34K+		5-8 bu	4-6 bu
28-34K		5-9 bu	5-6 bu
22-28K		6-9 bu	5-7 bu
0-22K		7-10 bu	6-9 bu

Circle which blocks needed Replant		LE1= 1/2 Ear, LE2=no ear	Use Table 2, counts, APH, uniformity, hybrid to estimate	Calculate (B x C)	Enter Yield Potentional From Table 1.	(E-D) x Corn Price	(Termination + replanting)- Crop Insurance	F-G
	A. Stand Count	B. Ear Count	C. bu/1000 ears (4-10?)	D. Original Yield Potential (Ear count x bu/1000 ears)	E. Replant Yield Potential	F. Replant Gain	G. Cost to Replant	H. Net Gain to Replant
Block A								
Block B								
Block C								
Block D								
Block E								
Block F								

If Yield Potenial From Original Stand Is Higher Than Replant Yield Potential You Should Not Replant