



Replant Study on Corn – 2009

Planted: Various
Harvested: November 5, 2009
Soil Type: Ipava Silt Loam
Population: Various
Rows: Four 30" rows

Previous Crop: Corn
Tillage: Chisel / Field Cultivator
Herbicide: 1.75 pts. SureStart
 32 oz. Credit Extra
Insecticide: None
Product Tested: BECK 5716A3
 BECK 5135HXR™*

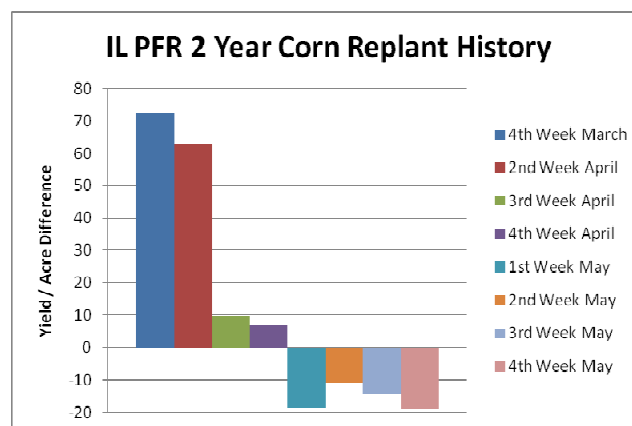
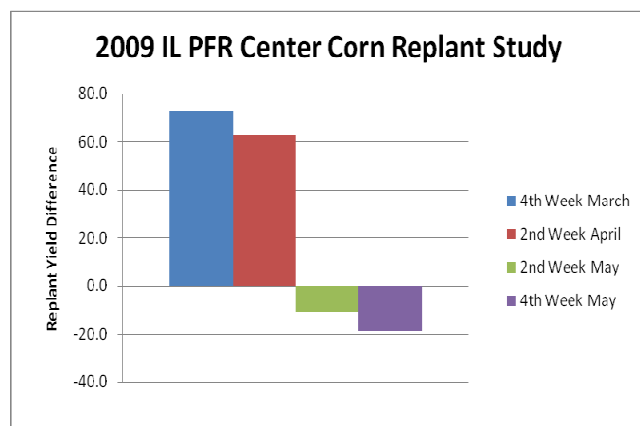
RAINFALL	
April	10.0 in.
May	4.9 in.
June	4.6 in.
July	4.0 in.
August	3.6 in.
Total	27.1 in.

Purpose: To replant or not to replant...that is the question. This study's purpose is to evaluate final corn populations, some of which may require replanting. Replanting is a very tough decision for growers and this study evaluates planted populations of corn at 20,000 versus 34,000 at various planting dates to show if replanting **would** have paid off given the low final population and replant date. These results show an average of two corn hybrids planted at various dates throughout the spring planting season.

Planting Date	Planted Population	Percent Moisture	Bushels [†] Per Acre	Bu./A. [†] Difference	Net Return
4 th Week of March	20,000	22.0	190.6		
2 nd Week of April (Replanted)	34,000	23.2	263.3	+72.7	\$236.72
2 nd Week of April	20,000	23.2	198.4		
2 nd Week of May (Replanted)	34,000	21.8	261.2	+62.8	\$200.90
2 nd Week of May	20,000	21.7	214.6		
4 th Week of May (Replanted)	34,000	24.9	203.8	-10.8	-\$64.06
4 th Week of May	20,000	27.3	186.3		
1 st Week of June (Replanted)	34,000	30.5	167.7	-18.6	-\$91.78

[†]Bushels per acre corrected to 15% moisture. *XL Brand is distributed by Beck's Superior Hybrids, Inc.

** Factor in drying costs and other replant costs of \$25.00/A.



Summary: For the second year in a row, early replant situations throughout the month of April provided higher yields of 62 to 73 Bu./A. IL PFR results have indicated that if a producer can replant low corn stands before May 1, yields can be improved and replanting can be beneficial. However after May 1, replantings did not offer any benefit in yield when we replanted the low 20,000 stands. A 20,000 final population after May 1 has provided more yield than tearing it up and replanting it with a normal 34,000 stand. As May 1 approaches, earlier planted corn has the advantage of more heat units and has provided more yield/acre even in somewhat low final corn stands.