



# Phantom Yield Loss Is it Real??



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# 2016 Phantom Yield Loss Study

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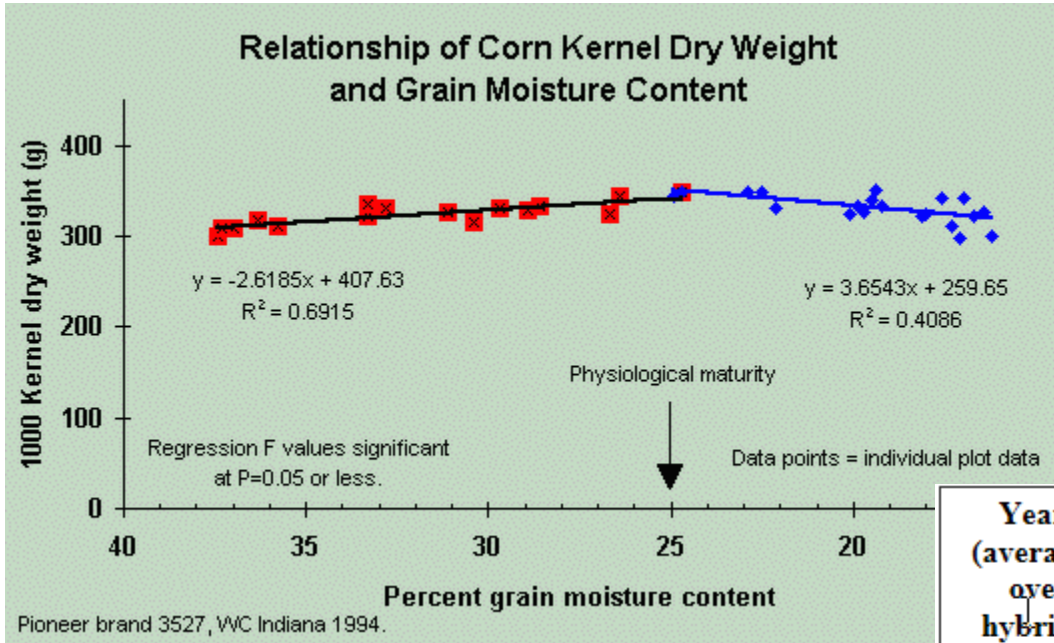
- Yearly reports of yields being lower as harvest progress.
- Pioneer/Purdue study in 1994 documenting yield loss as corn field dries.
- Field loss or something else going on???



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# Pioneer Sponsored Study with Purdue



0.9% yield loss per % moisture drop

200 bu/acre at 25% turns into 182 bu/acre at 15% if field dried. Equals 1.8 bu/acre per % moisture loss.

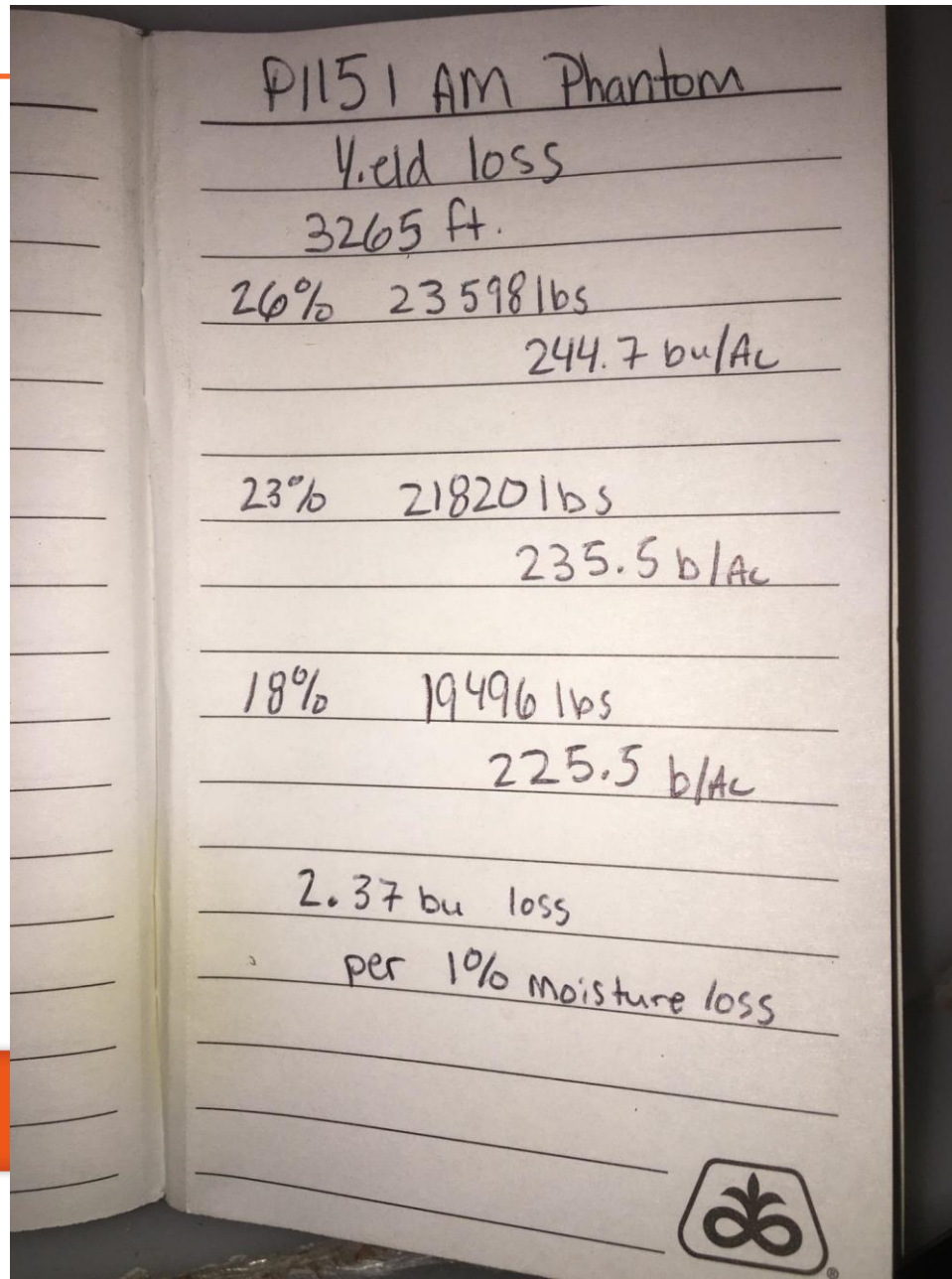
Years (averaged over hybrids)				
1991	297.0	29.8	3.2	1.1
1992	303.7	32.5	3.5	1.2
1993	305.4	25.8	ns	ns
1994	360.2	25.3	3.4	0.9
Average	316.6	28.4	3.4	0.9



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Phantom Yield Loss							
Location	Hybrid	Yield	Moisture	Yield	Moisture	Yield	Moisture
Edgewood	P0339AMXT	269.8	27.1	254.7	19.3		
Edgewood	DK 54-38	271.3	27.5	258.1	17.3		
New Vienna	P1197AM	288.8	27.3	255.8	21.1		
Charles City	P1151AM	244.7	26	235.5	23	225.5	18

	Total	Yield Loss	
Total Yield Loss	Moisture Loss	Per % Moisture	
15.1	7.8	1.9	
13.2	10.2	1.3	
33	6.2	5.3	
19.2	8	2.4	
	Avg	2.7 Bu/pt	



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- Excellent field drydown conditions in fall of 2016.
- All three locations showed loss that was not explained by combine loss.
- Loss is greater than what was found in earlier studies when comparing bu/acre loss per % pt moisture loss.
- However yield levels are higher and % yield loss per % pt of moisture is almost exactly what was found in 1994.



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