

2014 Soybean Management Field Days

Irrigation

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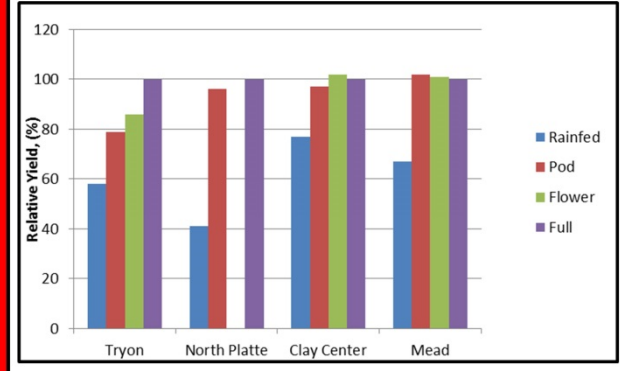
Crop coefficient (Kc)

Table 1. Alfalfa-based crop coefficients (Kc) at the beginning of each growth stage for corn, soybean, and wheat (High Plains Regional Climate Center, 2005).

Corn		Soybean		Wheat	
Growth Stage	Kc	Growth Stage	Kc	Growth Stage	Kc
2 leaves	0.10	Cotyledon	0.10	Emergence	0.10
4 leaves	0.18	First Node	0.20	Visible Corn	0.50
6 leaves	0.35	Second Node	0.40	Leaf Elongation	0.90
8 leaves	0.51	Third Node	0.60	Jointing	1.03
10 leaves	0.69	Beginning Bloom	0.90	Head	1.10
12 leaves	0.88	Full Bloom	1.00	Heading	1.10
14 leaves	1.01	Beginning Pod	1.10	Flowering	1.10
16 leaves	1.10	Full Pod	1.10	Cross Fall	1.10
Silking	1.10	Beginning Seed	1.10	Stiff Dowel	1.00
Ripener	1.10	Full Seed	1.10	Ripening	0.50
Dough	1.10	Beginning Maturity	0.90	Mature	0.10
Beginning dent	1.10	Full Maturity	0.20		
Black layer	0.98	Mature	0.10		
Full maturity	0.10				

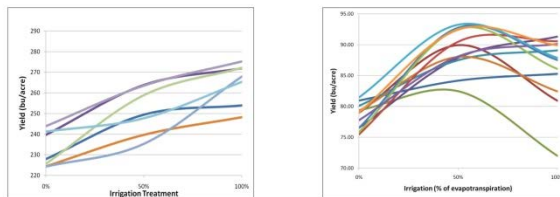
2008CMDCKranz004

Yields by Irrigation Strategy



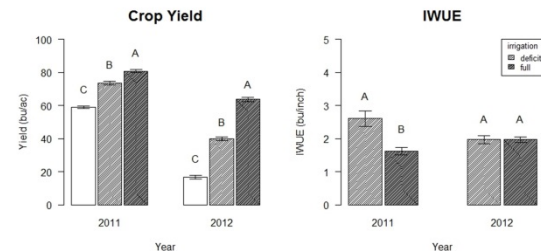
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Monsanto Water Utilization Learning Center 2010 – Corn Soybeans



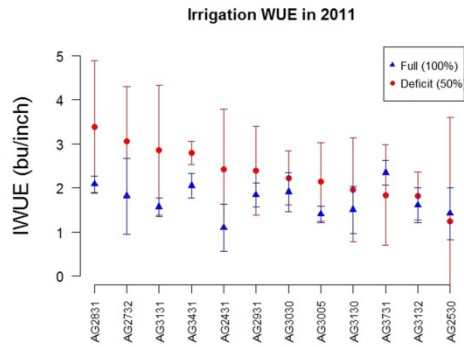
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Irrigation Treatments: Yield, WUE



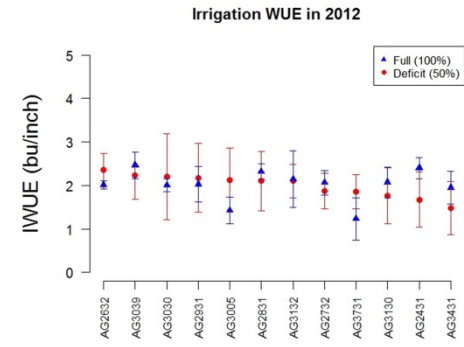
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Soybean Varieties: IWUE



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Soybean Varieties: IWUE



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UNL Irrigation Apps



Crop Water



Water Meter Calculator



Irrigation Pumping Plant



Agriculture Irrigation Costs

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