

2008-9 Kentucky bluegrass Fertility Timing/Source									
Roseau and Lake of the Woods									
Variety- 'Park'									
Seed yield as % of test average									
Treatment	Explanation*	Fertilizer Application Rate*	All Location Average	Rice			Helmstetter		
				2009	2008	2008-9 ave	2009	2008	2008-9 ave
1)	All fertilized October 15	115+70+100	102	109	115	112	99	83	91
2)	All fertilized October 15 +20#sulfur	115+70+100+20s	104	101	132	117	94	88	91
3)	Urea only October 15	115+0+0	83	83	66	75	94	86	90
4)	All fertilized October 31	115+70+100	76**	93	59	76	86	na	86
5)	20# ammonium sulfate August 22+ Remainder October 15	115+70+100+22s	110	109	124	117	103	103	103
6)	Fertilized October 15+20#ammonium sulfate added 20#Urea April 22	115+70+100+20s	115**	111	na	111*	119	na	119*
7)	Fertilized Sept.28+20#ammonium sulfate	115+70+100	114**	na	na	na	108	119	114
* Averaged nitrogen rate applied for the 2 locations-actual applied=100# Rice location;130# Helmstetter location									
Also note- all nitrogen rates are equal and are not variables in the trial									
** Treatments not done every year									
Fertilizer trial Observations/Conclusions-									
Timing)	1-Fertilizer applications applied the end of October or later result in lower yields								
	2- Fertilizer applied early(October 1) did not result in lower yields								
Source)	1)Applying no P & K resulted in lower seed yield								
	2)Early applications of P & K did not increase seed yield								
	3)Applying AMS(ammonium sulfate) showed a significant yield advantage in 2008 but not 2009								
	4)Applications of AMS in late August showed a significant yield advantage								
Plot design= RCB with 4 reps(except 3 reps- Helmstetter 2009)									
Oct-07									
Soil Test Nitrate Nitrogen(N), P2O5,K2O,and S #/acre:									
	0 - 6 inches	6 - 24 inches	P	K	S	PH			
Rice	5	2	14	168	8	8.1			
Helmstetter	2	6	20	118	24	8.1			
Oct-08									
Soil Test Nitrate Nitrogen(N), P2O5,K2O,and S #/acre:									
	0 - 6 inches	6 - 24 inches	P	K	S	PH			
Rice	6	2	18	252	20	8.4			
Helmstetter	10	16	20	172	22	8.1			
All soil test are 0-6" except Nitrogen									