

















UW Trial Methods					
Shredlage KP					
Hybrid	DKC 57-79	DKC 57-79			
Planting date	5/7/11	5/7/11			
Location	Arlington, WI	Arlington, WI			
Row spacing	30"	30"			
Seeds per acre	34,000	34,000			
Harvest date	9/8/11	9/9/11			
Acres harvested	9.1	8.9			
DM tons per acre	8.3	8.2			
SPFH	CLAAS Jaguar Kutz Farms, Jefferson WI	JD - UW ARS			
Harvester Settings	30 mm TLOC; 2.5 mm Roll Gap	19 mm TLOC; 2 mm Roll Gap			
Silo Bag	10' diameter	10' diameter			
Inoculant	None	None			

Penn State Shaker Box (as-fed basis)				
Samples	obtained during feed-out	from the silo bags		
Screen, mm	Shredlage	КР		
19	31.5%	5.6%		
8	41.5%	75.6%		
1.18	26.2%	18.4%		
Pan	0.8%	0.4%		



Nutrient composition of feed-out sample				
	Shredlage	КР		
DM, % as fed	33.9% ± 2.1	33.7% ± 3.2		
CP, % DM	7.3% ± 0.4	7.7% ± 0.3		
Starch, % DM	35.1% ± 2.2	35.6% ± 2.2		
NDF, % DM	36.4% ± 2.4	36.3% ± 1.4		

Fermentation profile of feed-out samples			
	Shredlage	КР	
рН	3.59 ± 0.05	3.61 ± 0.03	
Ammonia, % of CP	4.7 ± 0.8	4.8 ± 0.8	
Lactic Acid, % of DM	6.0 ± 0.9	5.1 ± 0.4	
Acetic Acid, % of DM	1.0 ± 0.1	1.0 ± 0.1	

Bag Packing Densities (Ib DM/cu. Ft)					
		Volume = 3.14 × Radi	us² × Length		
	L	Shredlage	КР		
Entire Bags At Filling	158'	17.7	17.2		
During Feed-out near back of bags	4'	17.5	17.2		





Experimental Diets (DM basis)				
	Shredlage	KP		
Shredlage	50%			
KP Silage		50%		
Alfalfa Silage	10%	10%		
Ground Dry Shelled Corn	10.3%	10.3%		
Corn Gluten Feed	7.4%	7.4%		
SBM 48%, solvent	6.9%	6.9%		
SBM, expeller	9.3%	9.3%		
Rumen-Inert Fat	1.9%	1.9%		
Min/Vits	4.2%	4.2%		

TMR Nutrient Composition (DM basis)					
Shredlage KP					
СР	17.2%	17.3%			
Total NDF	28.1%	28.3%			
NDF from Forage	22.3%	22.5%			
Starch	25.4%	25.5%			
Crude Fat	4.8%	4.5%			

Penn State	e Shaker B	OX (as-fed basis)			
TMR Samples					
Screen, mm	Shredlage	KP			
19	15.6%	3.5%			
8	38.2% 52.9%				
1.18	38.9% 35.8%				
Pan	7.3%	7.8%			
$\left \begin{array}{c} 7.3\% \\ 7.8\% \\ \hline \end{array} \right $					

Intake					
KP	Ρ <				
99.5	0.72				
99.8	0.66				
99.7	0.09				
l01.7	0.54				
	.01.7				

	Shredlage	KP	Ρ <
MI, lb/d	55.8	54.4	0.08
Nilk, lb/d	96.0	94.2	0.14
Milk/DMI	1.72	1.73	0.74

Milk composition					
Shredlage KP P <					
Fat %	3.74%	3.70%	0.66		
Protein %	3.18%	3.21%	0.29		
MUN, mg/dL	13.9	13.6	0.48		



























Item	COV	BMSH	BMKP	ВМКРН
Ingredient, % of DM				
Corn Silage	25.0		50.0	40.0
Corn Shredlage	25.0	50.0		
Alfalfa Silage	10.0	10.0	10.0	10.0
Chopped Dry Hay				10.0
Dry Ground Shelled Corn	10.3	10.3	10.3	12.9
Soybean Meal, expeller	9.0	9.0	9.0	9.0
Soybean Meal, solvent	6.9	6.9	6.9	4.3
Corn Gluten Feed, dried	7.4	7.4	7.4	7.4
Energy Booster 100® ³	1.85	1.85	1.85	1.85
DM, % of as fed	45	45	45	45
CP	17.5	17.5	17.5	17.5
EE	5.0	5.0	5.0	5.0
NDF	28	28	28	28
Forage NDF	24	24	24	24
Starch	25	25	25	25



Kernel Processing Score			
Field shredlage samples obtained during 2012 harvest			
	n	Average	Min
% Starch Passing 4.75 mm Sieve	21	74%	69%
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