











Materials and methods:



wer sieve .3 - 7.9mm

in the

Bottom pan

Materials and methods:

Animals:

0

- 3 nonlactating.





- adapted to Loietto grass hay for 7 days before sampling
- feed with held for 12 hours before sampling







Materials and methods:	Res	ults:	mical c	ompos	ition of	foods:
Analysis of particle distribution:		Treatm.		Ash	CP	NDF
-Mean size calculation.		1	90.7ª	9.5 ^b	10.3 ^d	65.1 ^{a.b}
primarily artifacts from image reflectance		2	90.7ª	10.0 ^b	11.0 ^{c.d}	68.3ª
less than pendr by delinition		3	90.1 ^{ab}	10.2 ^b	11.3 ^{c.d}	66.6ª
2. Kaplan-Meir method to analyze mean length		4	89.8 ^{ab}	9.8 ^b	11.4°	65.9 ^{a.b}
-Chemical analyses of treatment feeds:		5	89.6 ^b	9.5 ^b	13.7 ^b	62.5 ^b
DM, Asn, CP, NDF	12.	6	89.6 ^b	13.1ª	16.4ª	48.4 ^c
	<u>.</u>	p<0.05				



Results	Its: HAY – Particle mean size			
Tr	reatment	Mean size (mm)		
1	long	600*		
2	50mm	46.2 ^b		
3	> 19.1mm	51.0ª		
4	7.9 - 19.1mm	25.8°		
5	1.3 - 7.9mm	9.8 ^d		
*e:	stimated maximum length	I.		
P.	<0.05			

65.1^{a.b}

Resi	ilts: P	resievin	g - BOL	1600µ US :	4004
		В	olus dry resi	dues (%)	
	Treatm.	1600µ	400µ	smaller	
	1	62.7ª	15.5 ^c	21.8°	
	2	51.5 [⊳]	20.3 ^b	28.2 ^b	
	3	60.5ª	14.6 ^c	24.9 ^{b.c}	
	4	65.2ª	12.9 ^c	21.9°	
_	5	57.8 ^{a.b}	15.4°	26.8 ^{b.c}	
	<u>6</u> p<0.05	10.8°	39.8ª	49.4ª	



Results	s <i>:</i>	BOLUS – Pa	article mean size
-	Tre	eatment	Mean size (mm)
	1	long	9.1 ^{a.b}
:	2	50mm	9.1 ^{a.b}
:	3	> 19.1mm	9.5ª
	4	7.9 - 19.1mm	9.0 ^b
-	5	1.3 - 7.9mm	7.8°
P	o<0.	05	



Res	sults	Co	ow dif	ference	;	
	Cow g fe	Chews/	Mean	Mean particle size (mm)		
		g feed	Bolus	Rumen digesta	Feces	
	А	1.07 [⊾]	9.9ª	8.3ª	7.3ª	
	В	1.22 ^b	8.8 ^b	7.9 ^b	7.0 ^a	
	С	2.28ª	8.3°	7.9 ^b	7.0ª	
	p<0.05					



