

2012 Dakota Fall Ram Test

Hettinger Research Extension Center

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701-567-4323

Comfort Factor = % of fibers in the sample less than 30 microns (smaller is better)

Curvature = crimp per inch (bigger is better)

Source	Producer	TID	Sample	Lab scoured yield, %	Mean fiber diameter, microns	SD, microns	CV, %	Comfort factor, %	Mean fiber curvature, deg/mm	Standard deviation of curvature, deg/mm	Adjustments - core			
											Fiber Dia equation	Fiber Dia	Variability	Variability
HREC	Cook Sisters	1	Core	54.5	21.37	5.30	24.80	96.52	97.2	65	1.89	1.89	-3.50	-3.50
HREC	Cook Sisters	2	Core	49.0	21.34	4.59	21.51	97.35	117.9	72	1.98	1.98	0.61	0.61
HREC	Cook Sisters	3	Core	54.8	21.91	4.55	20.77	96.96	112.4	69	0.27	0.27	1.54	1.54
HREC	Cook Sisters	4	Core	48.7	22.99	5.33	23.18	92.60	119.7	73	-2.97	-2.97	-1.48	-1.48
HREC	Cook Sisters	5	Core	54.4	21.43	5.31	24.78	96.15	103.9	67	1.71	1.71	-3.48	-3.48
HREC	Cook Sisters	6	Core	58.9	22.13	4.87	22.01	95.70	90.6	59	-0.39	-0.39	-0.01	-0.01
HREC	Lenard Chapman	7	Core	50.6	21.76	5.39	24.77	95.19	96.6	63	0.72	0.72	-3.46	-3.46
HREC	Lenard Chapman	8	Core	57.4	24.34	5.80	23.83	86.75	100.4	63	-7.02	-6.00	-2.29	-2.29
HREC	Lenard Chapman	9	Core	57.6	22.17	4.99	22.51	95.04	110.6	67	-0.51	-0.51	-0.64	-0.64
HREC	Lenard Chapman	10	Core	58.8	23.74	6.02	25.36	87.71	95.9	62	-5.22	-5.22	-4.20	-4.20
HREC	Lenard Chapman	11	Core											
HREC	Lenard Chapman	12	Core	40.7	21.16	4.78	22.59	97.15	118.1	72	2.52	2.52	-0.74	-0.74
HREC	Lenard Chapman	13	Core											
HREC	Lenard Chapman	14	Core	56.6	23.31	5.42	23.25	91.52	95.0	59	-3.93	-3.93	-1.56	-1.56
HREC	Burton Anderson	15	Core	46.8	24.61	4.79	19.46	91.7	105.5	63	-7.83	-6.00	3.18	3.18
HREC	Burton Anderson	16	Core	56.0	24.29	5.23	21.53	89.87	98.6	62	-6.87	-6.00	0.59	0.59
HREC	Rod Wille	17	Core	47.7	24.64	5.89	23.90	87.75	96.7	63	-7.92	-6.00	-2.38	-2.38
HREC	Rod Wille	18	Core	51.0	24.47	6.35	25.95	85.78	95.4	60	-7.41	-6.00	-4.94	-4.94
HREC	Rod Wille	19	Core	64.0	23.56	4.68	19.86	93.87	98.3	59	-4.68	-4.68	2.68	2.68
HREC	Rod Wille	20	Core	49.9	23.86	5.71	23.93	90.98	105.0	69	-5.58	-5.58	-2.41	-2.41
HREC	Rod Wille	21	Core	52.0	21.95	4.89	22.28	96.16	87.6	57	0.15	0.15	-0.35	-0.35
HREC	Wille Ranch	22	Core	50.4	22.80	4.82	21.14	95.35	92.0	59	-2.4	-2.40	1.08	1.08
HREC	Wille Ranch	23	Core	56.6	25.68	5.75	22.39	83.71	102.3	64	-11.04	-6.00	-0.49	-0.49
HREC	Wille Ranch	24	Core	55.3	24.49	5.45	22.25	90.47	105.1	63	-7.47	-6.00	-0.31	-0.31
HREC	Kayla Wille	25	Core	55.3	23.40	5.33	22.78	92.00	102.9	64	-4.2	-4.20	-0.98	-0.98
HREC	Kayla Wille	26	Core	53.3	22.07	5.14	23.29	96.47	115.7	68	-0.21	-0.21	-1.61	-1.61
HREC	Andrew Schafer	27	Core	57.7	22.13	4.67	21.10	96.76	111.5	71	-0.39	-0.39	1.13	1.13
HREC	Andrew Schafer	28	Core	59.0	25.71	7.02	27.30	79.18	88.8	58	-11.13	-6.00	-6.63	-5.00
HREC	HREC	29	Core	52.2	25.67	5.00	19.48	86.90	89.0	59	-11.01	-6.00	3.15	3.15
HREC	Ian McGivney	30	Core	47.8	22.20	5.92	26.67	97.16	116.4	68	-0.6	-0.60	-5.84	-5.00
HREC	Ian McGivney	31	Core	52.0	22.66	4.97	21.93	95.24	95.8	57	-1.98	-1.98	0.09	0.09
HREC	Matt Rabel	32	Core	54.5	23.06	5.34	23.16	92.71	105.2	65	-3.18	-3.18	-1.45	-1.45
HREC	Matt Rabel	33	Core	51.9	23.71	5.02	21.17	92.42	98.1	61	-5.13	-5.13	1.04	1.04
HREC	Matt Rabel	34	Core	59.1	21.71	4.94	22.75	95.70	95.8	61	0.87	0.87	-0.94	-0.94
HREC	Matt Rabel	35	Core	56.8	23.80	5.99	25.17	90.90	101.7	65	-5.4	-5.40	-3.96	-3.96
HREC	Jim Forbes	36	Core	56.4	23.29	5.35	22.97	92.59	94.7	62	-3.87	-3.87	-1.21	-1.21
HREC	Jim Forbes	37	Core	51.7	23.06	5.12	22.20	94.36	100.2	66	-3.18	-3.18	-0.25	-0.25
HREC	Jim Forbes	38	Core	57.1	22.75	5.13	22.55	94.81	93.9	61	-2.25	-2.25	-0.69	-0.69
HREC	Jim Forbes	39	Core	59.7	23.20	5.64	24.31	91.44	93.2	60	-3.6	-3.60	-2.89	-2.89
HREC	Paul Erk	40	Core	53.6	23.41	5.29	22.60	91.88	94.1	61	-4.23	-4.23	-0.75	-0.75
HREC	Paul Erk	41	Core	49.2	22.83	5.20	22.78	94.18	100.5	65	-2.49	-2.49	-0.98	-0.98
HREC	Paul Erk	42	Core	57.6	23.00	5.30	23.00	92.9	95	61	-3	-3.00	-1.25	-1.25
HREC	Paul Erk	43	Core											
HREC	Paul Erk	44	Core	53.3	22.69	4.96	21.86	95.6	101.7	62	-2.07	-2.07	0.18	0.18
HREC	Paul Erk	45	Core	60.5	22.02	4.97	22.57	96.2	92.9	60	-0.06	-0.06	-0.71	-0.71
HREC	Paul Erk	46	Core	51.6	21.92	5.26	24	96	99.8	65	0.24	0.24	-2.50	-2.50
HREC	Paul Erk	47	Core	53.3	21.59	4.61	21.35	96.68	113.6	71	1.23	1.23	0.81	0.81
HREC	Rocky Hill	48	Core	50.0	25.42	5.6	22.03	85.22	93.6	57	-10.26	-6.00	-0.04	-0.04
			MEAN	54.06	23.10	5.29	22.90	92.71	100.76	63.45	-3.31	-2.75	-1.12	-1.06
			MIN	40.72	21.16	4.55	19.46	79.18	87.60	57.00	-11.13	-6.00	-6.63	-5.00
			MAX	64.00	25.71	7.02	27.30	97.35	119.70	73.00	2.52	2.52	3.18	3.18