

2017 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
Curvature = crimp per inch (bigger is better)

Adjustments - core

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	Fiber Dia equation	Fiber Dia	Variability	Variability
HREC	Annika Bobb	W-1	Core	48.03	22.23	3.75	16.9	98.1	96.5	57	-0.69	-0.69	6.38	5.00
HREC	Annika Bobb	W-2	Core	49.27	22.86	4.15	18.2	96.4	105.9	64	-2.58	-2.58	4.75	4.75
HREC	Estelle Cook	W-3	Core	59.97	22.83	4.84	21.2	94.4	106.2	63	-2.49	-2.49	1.00	1.00
HREC	Estelle Cook	W-4	Core	53.54	20.84	3.90	18.7	98.8	98.5	62	3.48	3.48	4.13	4.13
HREC	Estelle Cook	W-5	Core	54.84	23.36	4.92	21.1	92.2	93.5	59	-4.08	-4.08	1.13	1.13
HREC	Estelle Cook	W-6	Core	50.67	23.53	4.74	20.1	92.6	98.7	62	-4.59	-4.59	2.38	2.38
HREC	Estelle Cook	W-7	Core	50.85	21.96	4.57	20.8	96.8	100.0	64	0.12	0.12	1.50	1.50
HREC	Estelle Cook	W-8	Core	54.50	22.26	4.72	21.2	95.7	107.5	66	-0.78	-0.78	1.00	1.00
HREC	Burton Anderson	W-9	Core	48.90	22.83	4.31	18.9	95.7	114.4	66	-2.49	-2.49	3.88	3.88
HREC	Burton Anderson	W-10	Core	45.32	24.69	4.77	19.3	89.6	113.8	63	-8.07	-8.07	3.38	3.38
HREC	Burton Anderson	W-11	Core	56.63	22.96	4.59	20.0	94.5	104.3	64	-2.88	-2.88	2.50	2.50
HREC	Burton Anderson	W-12	Core	47.80	23.29	4.07	17.5	95.8	112.8	62	-3.87	-3.87	5.63	5.00
HREC	Beau Chapman	W-13	Core	50.74	23.94	4.49	18.8	92.5	91.6	58	-5.82	-5.82	4.00	4.00
HREC	Beau Chapman	W-14	Core	45.70	24.55	5.18	21.1	88.4	106.2	65	-7.65	-7.65	1.13	1.13
HREC	Braden Kopren	W-15	Core	51.79	23.17	4.37	18.9	95.1	94.3	59	-3.51	-3.51	3.88	3.88
HREC	Braden Kopren	W-16	Core	54.63	26.53	5.17	19.5	78.6	77.5	50	-13.59	-6.00	3.13	3.13
HREC	Tate Ollila	W-17	Core	43.71	23.63	4.28	18.1	94.4	88.6	55	-4.89	-4.89	4.88	4.88
HREC	Tate Ollila	W-18	Core	50.15	22.32	3.77	16.9	97.7	85.0	50	-0.96	-0.96	6.38	5.00
HREC	TW Schalesky	W-19	Core	52.18	23.36	4.41	18.9	94.4	96.7	62	-4.08	-4.08	3.88	3.88
HREC	TW Schalesky	W-20	Core	56.56	24.66	5.46	22.1	87.6	100.1	60	-7.98	-7.98	-0.13	-0.13
HREC	TW Schalesky	W-21	Core	48.39	24.97	5.33	21.3	86.4	104.3	64	-8.91	-6.00	0.87	0.87
HREC	Clyde Peterson	W-22	Core	51.19	21.76	4.04	18.6	97.6	91.6	54	0.72	0.72	4.25	4.25
HREC	Clyde Peterson	W-23	Core	52.82	22.41	4.73	21.1	95.1	88.6	55	-1.23	-1.23	1.13	1.13
HREC	Clyde Peterson	W-24	Core	52.59	21.95	4.00	18.2	97.5	96.9	61	0.15	0.15	4.75	4.75
HREC	Clyde Peterson	W-25	Core	56.44	21.10	4.16	19.7	98.3	87.7	56	2.7	2.70	2.88	2.88
HREC	Clyde Peterson	W-26	Core	54.64	20.98	4.90	23.4	96.5	95.1	59	3.06	3.06	-1.75	-1.75
HREC	Clyde Peterson	W-27	Core	59.84	21.93	4.66	21.2	95.9	87.7	58	0.21	0.21	1.00	1.00
HREC	Paul Erk	W-28	Core	48.71	21.42	4.42	20.6	98	85.6	53	1.74	1.74	1.75	1.75
HREC	Paul Erk	W-29	Core	51.26	20.65	4.36	21.1	98	106.6	63	4.05	4.05	1.13	1.13
HREC	Paul Erk	W-30	Core	56.99	21.41	4.52	21.1	97.2	95.7	57	1.77	1.77	1.13	1.13
HREC	Paul Erk	W-31	Core	47.83	23.61	4.58	19.4	93	95.5	60	-4.83	-4.83	3.25	3.25
HREC	Paul Erk	W-32	Core	49.56	20.87	4.07	19.5	98.1	94.1	61	3.39	3.39	3.13	3.13
HREC	Rocky Hill	W-33	Core	48.47	20.71	4.10	19.8	98.5	102.8	63	3.87	3.87	2.75	2.75
HREC	Paul Erk	W-34	Core	50.90	22.59	4.58	20.3	95.5	100.6	65	-1.77	-1.77	2.13	2.13
HREC	Paul Erk	W-35	Core	54.78	22.58	5.61	24.8	92.2	105.5	63	-1.74	-1.74	-3.50	-3.50
HREC	Paul Erk	W-36	Core	51.40	20.00	4.31	21.5	98.5	97.6	60	6	6.00	0.63	0.63
HREC	Paul Erk	W-37	Core	54.16	19.89	4.19	21.1	98.8	98.3	59	6.33	9.00	1.13	1.13
HREC	Rocky Hill	W-38	Core	48.32	21.33	4.32	20.3	97.7	102.9	63	2.01	2.01	2.13	2.13
HREC	Paul Erk	W-39	Core	49.04	18.02	3.78	21.0	99.6	107.3	65	11.94	9.00	1.25	1.25
HREC	Tate Nash	W-40	Core	50.66	22.47	4.66	20.7	95.2	99.1	55	-1.41	-1.41	1.63	1.63
HREC	Weston Borchter	W-41	Core	53.33	24.67	5.20	21.1	87.8	87.4	56	-8.01	-8.01	1.13	1.13
HREC	Caroline Frampton	W-42	Core	51.83	22.34	5.48	24.5	92.6	97.5	59	-1.02	-1.02	-3.13	-3.13
HREC	Caroline Frampton	W-43	Core	51.83	23.21	4.82	20.8	93.5	100.1	59	-3.63	-3.63	1.50	1.50
HREC	Caroline Frampton	W-44	Core	45.93	20.52	4.05	19.7	99.1	99.9	61	4.44	4.44	2.88	2.88
HREC	Caroline Frampton	W-45	Core	53.39	20.23	3.98	19.7	98.9	110.1	67	5.31	5.31	2.88	2.88
HREC	Ian McGivney	W-46	Core	50.13	22.03	4.31	19.6	97.1	98.5	62	-0.09	-0.09	3.00	3.00
HREC	Ian McGivney	W-47	Core											
HREC	Ian McGivney	W-48	Core	53.52	24.17	5.85	24.2	86.2	85.1	58	-6.51	-6.51	-2.75	-2.75
HREC	Ian McGivney	W-49	Core											
HREC	Ian McGivney	W-50	Core	51.14	20.30	4.32	21.3	98.9	95.9	62	5.1	5.10	0.87	0.87
HREC	Matt Rabel	W-51	Core	55.40	22.88	4.46	19.5	95.4	104.8	60	-2.64	-2.64	3.13	3.13
HREC	Matt Rabel	W-52	Core	50.85	22.42	4.38	19.5	96.4	112.6	66	-1.26	-1.26	3.13	3.13
HREC	Matt Rabel	W-53	Core	53.96	21.98	4.36	19.8	96.9	86.8	53	0.06	0.06	2.75	2.75
HREC	Matt Rabel	W-54	Core											
HREC	Matt Rabel	W-55	Core											
HREC	Jim Forbes	W-56	Core	51.49	20.50	3.96	19.3	98.6	93.9	56	4.5	4.50	3.38	3.38
HREC	Jim Forbes	W-57	Core	57.53	20.80	4.18	20.1	98.4	95.0	58	3.6	3.60	2.38	2.38
HREC	Jim Forbes	W-58	Core	61.13	20.49	4.11	20.1	98.7	103.6	63	4.53	4.53	2.38	2.38
HREC	Jim Forbes	W-59	Core	55.80	20.74	3.90	18.8	99.2	99.2	60	3.78	3.78	4.00	4.00
HREC	Jim Forbes	W-60	Core											
	Average										-0.75	-0.56	2.25	2.19
	Min.										-13.59	-8.07	-3.50	-3.50
	Max.										11.94	9.00	6.38	5.00
HREC	HREC	Y-1	Core	57.32	27.19	5.13	18.9	78.1	93.6	54				
HREC	HREC	Y-2	Core	51.53	28.09	5.69	20.3	69.4	91.0	53				
HREC	HREC	Y-3	Core	52.47	27.15	5.36	19.7	78.4	99.2	57				
HREC	Billy Estridge	Y-4	Core	51.00	28.61	6.00	21.00	65.60	103.50	61.70				
HREC	Billy Estridge	Y-5	Core	49.13	26.56	5.07	19.10	81.20	106.90	66.70				
HREC	David Brown	Y-7	Core	48.03	26.00	5.00	19.20	82.30	76.30	48.60				
HREC	David Brown	Y-8	Core	55.39	27.48	5.06	18.40	75.6	90.9	57				
HREC	NDSU - Fargo	Y-9	Core	46.62	27.41	5.20	19.0	74.9	99.7	58				
HREC	Weston Borchter	Y-10	Core	45.44	29.43	6.53	22.2	61.7	78.7	49				
HREC	Russell Bell	Y-11	Core	47.54	24.57	5.75	23.4	86.5	106.5	67				
HREC	Russell Bell	Y-12	Core	50.40	23.71	4.64	19.6	92.8	109.8	67				
HREC	Curt Stanley	Y-13	Core	61.86	28.82	6.21	21.5	63	93.2	58				
HREC	Lisa Surber	Y-14	Core	56.00	23.33	4.81	20.6	92.9	88.8	55				
HREC	Wade Kopren	Y-16	Core	49.87	26.54	5.54	20.9	79.8	95.3	60				
HREC	Wade Kopren	Y-17	Core	54.77	23.76	4.71	19.8	92.8	95.3	58				
HREC	Peterson Sheep Co	Y-18	Core	51.70	27.99	5.92	21.2	68.9	86.5	58				
HREC	Peterson Sheep Co	Y-19	Core	45.68	26.79	5.47	20.4	77.2	113.5	70				
HREC	Peterson Sheep Co	Y-20	Core	41.67	27.94	7.01	25.1	70.5	101.7	66				
HREC	Peterson Sheep Co	Y-21	Core	52.19	23.40	4.83	20.6	93	112.2	70				
HREC	Peterson Sheep Co	Y-22	Core	52.13	25.23	4.94	19.6	87	97.9	62				
HREC	Peterson Sheep Co	Y-23	Core	49.81	27.33	5.54	20.3	75.2	97.0	63				
HREC	Trent Turbillville	W-61	Core	52.76	26.24	5.83	22.2	79.4	92.8	62				
HREC	Trent Turbillville	W-62	Core	55.98	26.65	5.26	19.7	79.4	85.8	52				
	Average													
	Min.													
	Max.													