

2018 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	Burton Anderson	W-1	Core	50.61	23.59	4.53	19.2	94	116.9	69	-4.77	-4.77	3.50	3.50
HREC	Burton Anderson	W-2	Core											
HREC	Burton Anderson	W-3	Core	48.47	24.71	4.97	20.1	89.3	110.9	65	-8.13	-6.00	2.38	2.38
HREC	Burton Anderson	W-4	Core	55.42	24.12	5.00	20.7	90	108.2	65	-6.36	-6.00	1.63	1.63
HREC	Burton Anderson	W-5	Core	57.16	23.28	4.31	18.5	95.1	108.5	63	-3.84	-3.84	4.38	4.38
HREC	Estelle Cook	W-6	Core	52.58	20.71	4.20	20.3	98.2	124.4	68	3.87	3.87	2.13	2.13
HREC	Estelle Cook	W-7	Core	52.39	20.38	4.25	20.9	98.6	125.0	74	4.86	4.86	1.38	1.38
HREC	Estelle Cook	W-8	Core											
HREC	Estelle Cook	W-9	Core	54.66	22.96	4.33	18.9	95.8	102.8	63	-2.88	-2.88	3.88	3.88
HREC	Estelle Cook	W-10	Core	49.94	21.92	4.49	20.5	96.4	114.8	68	0.24	0.24	1.88	1.88
HREC	Estelle Cook	W-11	Core	58.15	23.87	4.39	18.4	93.1	106.7	62	-5.61	-5.61	4.50	4.50
HREC	Paul Erk	W-12	Core	57.85	23.15	4.18	18.1	96.1	98.7	58	-3.45	-3.45	4.88	4.88
HREC	Paul Erk	W-13	Core	57.49	22.67	4.58	20.2	95.4	104.4	60	-2.01	-2.01	2.25	2.25
HREC	Paul Erk	W-14	Core	54.45	22.88	4.41	19.3	95.1	102.0	58	-2.64	-2.64	3.38	3.38
HREC	Rocky Hill	W-15	Core	48.67	20.90	3.96	18.9	98.3	108.7	62	3.3	3.30	3.88	3.88
HREC	Paul Erk	W-16	Core	59.62	20.60	3.85	18.7	98.8	138.8	72	4.2	4.20	4.13	4.13
HREC	Paul Erk	W-17	Core	56.26	22.08	3.85	17.4	98	114.6	69	-0.24	-0.24	5.75	5.00
HREC	Paul Erk	W-18	Core	55.56	22.49	4.23	18.8	96.7	103.9	61	-1.47	-1.47	4.00	4.00
HREC	Paul Erk	W-19	Core											
HREC	Paul Erk	W-20	Core	61.61	21.79	4.12	18.9	97.8	107.0	63	0.63	0.63	3.88	3.88
HREC	Rocky Hill	W-21	Core	51.83	25.66	4.78	18.6	85.2	112.8	63	-10.98	-6.00	4.25	4.25
HREC	TW Schalesky	W-22	Core	57.41	22.58	4.24	18.8	96.8	114.3	60	-1.74	-1.74	4.00	4.00
HREC	TW Schalesky	W-23	Core	62.09	23.37	4.15	17.8	95	106.1	57	-4.11	-4.11	5.25	5.00
HREC	TW Schalesky	W-24	Core											
HREC	Clyde Peterson	W-25	Core	62.94	23.11	4.34	18.8	94.6	104.0	59	-3.33	-3.33	4.00	4.00
HREC	Clyde Peterson	W-26	Core	58.13	22.11	4.19	19.0	97.6	88.4	55	-0.33	-0.33	3.75	3.75
HREC	Clyde Peterson	W-27	Core	48.97	20.58	4.36	21.2	98.4	125.3	66	4.26	4.26	1.00	1.00
HREC	Clyde Peterson	W-28	Core	60.69	22.27	4.48	20.1	96.6	91.3	54	-0.81	-0.81	2.38	2.38
HREC	Clyde Peterson	W-29	Core	64.55	22.46	4.05	18.0	96.8	103.9	59	-1.38	-1.38	5.00	5.00
HREC	Clyde Peterson	W-30	Core	55.48	21.80	4.29	19.7	97.3	94.1	53	0.6	0.60	2.88	2.88
HREC	Clyde Peterson	W-31	Core	60.53	21.30	3.90	18.3	98.8	94.0	54	2.1	2.10	4.63	4.63
HREC	Clyde Peterson	W-32	Core											
HREC	Clyde Peterson	W-33	Core	60.43	20.80	4.36	21.0	97.7	109.7	60	3.6	3.60	1.25	1.25
HREC	Clyde Peterson	W-34	Core	59.68	21.41	3.97	18.5	98.3	101.7	60	1.77	1.77	4.38	4.38
HREC	Clyde Peterson	W-35	Core	56.96	23.17	4.62	19.9	94.1	82.4	51	-3.51	-3.51	2.63	2.63
HREC	Clyde Peterson	W-36	Core	57.28	22.38	4.35	19.4	96.5	102.9	61	-1.14	-1.14	3.25	3.25
HREC	Clyde Peterson	W-37	Core	62.18	21.73	4.62	21.3	96	89.9	55	0.81	0.81	0.87	0.87
HREC	Clyde Peterson	W-38	Core	61.28	22.96	4.96	21.6	92.8	81.2	52	-2.88	-2.88	0.50	0.50
HREC	Clyde Peterson	W-39	Core	54.57	24.45	4.82	19.7	89.9	87.1	56	-7.35	-6.00	2.88	2.88
HREC	Lance Rabel	W-40	Core	49.83	22.85	4.12	18.0	96.3	115.8	70	-2.55	-2.55	5.00	5.00
HREC	Matt Rabel	W-41	Core	50.28	20.94	4.31	20.6	97.8	122.2	72	3.18	3.18	1.75	1.75
HREC	Matt Rabel	W-42	Core	48.30	21.25	4.22	19.9	97.4	114.6	68	2.25	2.25	2.63	2.63
HREC	Matt Rabel	W-43	Core	56.65	22.67	5.04	22.2	94.3	89.5	58	-2.01	-2.01	-0.25	-0.25
HREC	Ian McGivney	W-44	Core	53.80	20.32	4.20	20.7	98.5	102.9	65	5.04	5.04	1.63	1.63

HREC	Ian McGivney	W-45	Core	59.22	22.40	4.54	20.3	95.9	109.4	66		-1.2	-1.20	2.13	2.13
HREC	Ian McGivney	W-46	Core												
HREC	Jim Forbes	W-47	Core	51.02	21.79	3.82	17.5	98.5	97.7	58		0.63	0.63	5.63	5.00
HREC	Jim Forbes	W-48	Core	49.47	21.55	4.09	19.0	97.7	89.2	56		1.35	1.35	3.75	3.75
HREC	Jim Forbes	W-49	Core	55.04	21.70	4.52	20.8	97.1	104.9	61		0.9	0.90	1.50	1.50
HREC	Jody & Abby Ketterling	W-50	Core	52.59	20.96	4.54	21.7	97.5	111.4	71		3.12	3.12	0.38	0.38
HREC	Jody & Abby Ketterling	W-51	Core	58.98	21.55	4.83	22.4	96	89.3	58		1.35	1.35	-0.50	-0.50
HREC	Jody & Abby Ketterling	W-52	Core	56.06	20.07	5.32	26.5	97	101.1	66		5.79	5.79	-5.63	-5.00
HREC	Jody & Abby Ketterling	W-53	Core	57.15	22.95	4.98	21.7	93.5	89.8	57		-2.85	-2.85	0.38	0.38
HREC	Tate Nash	W-54	Core	48.96	24.33	5.02	20.6	89.6	101.9	66		-6.99	-6.00	1.75	1.75
HREC	Beau Chapman	W-55	Core	45.50	22.89	4.58	20.0	94.4	111.5	67		-2.67	-2.67	2.50	2.50
HREC	Beau Chapman	W-56	Core	52.02	22.03	4.19	19.0	97	107.6	65		-0.09	-0.09	3.75	3.75
HREC	Beau Chapman	W-57	Core	56.88	22.64	4.26	18.8	96.8	101.2	62		-1.92	-1.92	4.00	4.00
HREC	Tate Ollila	W-58	Core	47.14	22.68	4.51	19.9	94.9	107.0	65		-2.04	-2.04	2.63	2.63
HREC	Tate Ollila	W-59	Core	50.51	21.78	4.67	21.4	95.5	105.8	66		0.66	0.66	0.75	0.75
	Average			55.19	22.29	4.41	19.82	95.75	104.87	62.04		-0.88	-0.70	2.72	2.71
	Min.			45.50	20.07	3.82	17.40	85.20	81.20	50.60		-10.98	-6.00	-5.63	-5.00
	Max.			64.55	25.66	5.32	26.50	98.80	138.80	74.10		5.79	5.79	5.75	5.00