

2020 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	TID	Owner	Lab Sample	scoured yield, %	Mean fiber diameter, microns	SD, microns	CV, %	Comfort factor, %	Mean fiber curvature, deg/mm	Adjustments - core			
										Fiber Dia equation	Fiber Dia	Variability	Variability
HREC	1	TW Schalesky	Core	61.24	22.92	4.41	19.2	95.4	95.1	-2.76	-2.76	3.50	3.50
HREC	2	TW Schalesky	Core	60.85	25.82	5.66	21.9	81.4	80.3	-11.46	-6.00	0.13	0.13
HREC	3	TW Schalesky	Core	59.01	23.47	5.23	22.3	92.5	107.1	-4.41	-4.41	-0.38	-0.38
HREC	4	Estelle Cook	Core	66.20	23.05	6.17	26.8	89.7	96.2	-3.15	-3.15	-6.00	-5.00
HREC	5	Estelle Cook	Core	62.86	22.56	6.17	27.3	91.0	92.5	-1.68	-1.68	-6.63	-5.00
HREC	6	Estelle Cook	Core	56.48	25.78	6.11	23.7	81.2	97.5	-11.34	-6.00	-2.13	-2.13
HREC	7	Estelle Cook	Core	62.91	22.70	6.04	26.6	93.6	106.8	-2.1	-2.10	-5.75	-5.00
HREC	8	Estelle Cook	Core	55.71	24.98	5.69	22.8	84.5	97.7	-8.94	-6.00	-1.00	-1.00
HREC	9	Estelle Cook	Core	63.32	22.74	4.54	20.0	95.6	91.4	-2.22	-2.22	2.50	2.50
HREC	10	Beau Chapman	Core										
HREC	11	Beau Chapman	Core										
HREC	12	Beau Chapman	Core	55.70	24.48	5.10	20.8	89.4	91.0	-7.44	-6.00	1.50	1.50
HREC	13	Beau Chapman	Core	55.29	22.81	4.41	19.3	96.0	101.1	-2.43	-2.43	3.38	3.38
HREC	14	Beau Chapman	Core	65.30	22.60	4.14	18.3	97.2	85.8	-1.8	-1.80	4.63	4.63
HREC	15	Beau Chapman	Core	65.84	24.16	5.57	23.1	87.4	80.8	-6.48	-6.00	-1.38	-1.38
HREC	16	Tate Ollila	Core	64.29	23.22	5.70	24.5	91.7	86.9	-3.66	-3.66	-3.13	-3.13
HREC	17	Tate Ollila	Core	54.65	21.67	4.20	19.4	97.5	97.7	0.99	0.99	3.25	3.25
HREC	18	Paul Erk	Core	55.38	22.81	5.08	22.3	93.0	100.9	-2.43	-2.43	-0.38	-0.38
HREC	19	Paul Erk	Core	57.95	21.96	3.80	17.3	98.1	96.3	0.12	0.12	5.88	5.00
HREC	20	Paul Erk	Core	58.54	21.88	4.81	22.0	97.2	102.0	0.36	0.36	0.00	0.00
HREC	21	Paul Erk	Core	52.42	23.08	4.86	21.1	93.9	113.4	-3.24	-3.24	1.13	1.13
HREC	22	Paul Erk	Core	53.42	25.00	5.51	22.0	86.0	84.5	-9	-6.00	0.00	0.00
HREC	23	Paul Erk	Core										
HREC	24	Paul Erk	Core	61.80	19.01	4.87	25.6	98.8	112.4	8.97	8.97	-4.50	-4.50
HREC	25	Paul Erk	Core	61.17	21.62	4.78	22.10	96.70	110.60	1.14	1.14	-0.13	-0.13
HREC	26	Paul Erk	Core	53.33	23.60	5.43	23.0	91.0	100.0	-4.8	-4.80	-1.25	-1.25
HREC	27	Paul Erk	Core	60.55	22.21	4.60	20.7	95.6	99.6	-0.63	-0.63	1.63	1.63
HREC	28	Rocky Hill	Core	55.30	22.38	5.10	22.8	93.7	93.9	-1.14	-1.14	-1.00	-1.00
HREC	29	Rocky Hill	Core										
HREC	30	Don Lawson	Core	49.68	24.46	4.96	20.3	92.1	117.9	-7.38	-6.00	2.13	2.13
HREC	31	Don Lawson	Core	54.22	27.11	5.85	21.6	77.2	101.1	-15.33	-6.00	0.50	0.50
HREC	32	Don Lawson	Core	50.21	25.71	4.97	19.3	85.3	101.3	-11.13	-6.00	3.38	3.38
HREC	33	Don Lawson	Core	60.68	25.01	5.10	20.4	88.8	104.7	-9.03	-6.00	2.00	2.00
HREC	34	Burton Anderson	Core										
HREC	35	Burton Anderson	Core	48.34	24.27	4.99	20.6	90.7	111.0	-6.81	-6.00	1.75	1.75
HREC	36	Burton Anderson	Core	63.45	23.14	5.08	22.0	92.6	85.4	-3.42	-3.42	0.00	0.00
HREC	37	Burton Anderson	Core	55.15	19.86	4.47	22.5	98.5	107.1	6.42	6.42	-0.63	-0.63
HREC	38	Burton Anderson	Core										
HREC	39	Clyde Peterson	Core										
HREC	40	Clyde Peterson	Core	64.32	23.23	5.97	25.7	90.2	87.2	-3.69	-3.69	-4.63	-4.63
HREC	41	Clyde Peterson	Core	59.06	23.55	5.02	21.3	91.3	99.5	-4.65	-4.65	0.87	0.87
HREC	42	Clyde Peterson	Core	59.24	21.72	4.71	21.7	96.4	92.2	0.84	0.84	0.38	0.38
HREC	43	Clyde Peterson	Core	56.90	23.40	5.61	24.0	91.3	90.9	-4.2	-4.20	-2.50	-2.50
HREC	44	Clyde Peterson	Core	62.16	25.64	5.45	21.3	83.3	86.2	-10.92	-6.00	0.87	0.87
HREC	45	Clyde Peterson	Core										
HREC	46	Clyde Peterson	Core										
HREC	47	Clyde Peterson	Core	60.48	23.93	5.41	22.6	89.1	76.6	-5.79	-5.79	-0.75	-0.75
HREC	48	Clyde Peterson	Core	62.27	22.97	4.87	21.2	94.9	91.5	-2.91	-2.91	1.00	1.00
HREC	50	Lane Rabel	Core										
HREC	51	Lance Rabel	Core	61.04	21.50	4.53	21.10	97.10	94.70	1.5	1.50	1.13	1.13
HREC	52	Matt Rabel	Core	48.70	21.72	5.37	24.70	95.50	110.50	0.84	0.84	-3.38	-3.38
HREC	53	Matt Rabel	Core	57.34	20.89	4.88	23.4	97.6	112.9	3.33	3.33	-1.75	-1.75
HREC	54	Matt Rabel	Core	53.86	22.57	4.48	19.8	95.8	107.2	-1.71	-1.71	2.75	2.75
HREC	55	Matt Rabel	Core	51.93	22.00	5.57	25.3	95.3	116.6	0	0.00	-4.13	-4.13
HREC	56	Ian McGivney	Core	51.58	23.29	5.34	22.9	92.6	106.4	-3.87	-3.87	-1.13	-1.13
HREC	57	Ian McGivney	Core	57.28	22.59	4.63	20.5	96.0	105.0	-1.77	-1.77	1.88	1.88
HREC	58	Jim Forbes	Core	59.49	21.32	4.76	22.3	97.1	99.9	2.04	2.04	-0.38	-0.38
HREC	59	Jim Forbes	Core	54.25	23.14	4.77	20.6	93.4	104.6	-3.42	-3.42	1.75	1.75
HREC	60	Jim Forbes	Core	59.09	23.98	4.68	19.5	92.4	100.0	-5.94	-5.94	3.13	3.13
HREC	61	Jim Forbes	Core	55.19	21.65	4.79	22.1	96.6	102.8	1.05	1.05	-0.13	-0.13
HREC	62	Jim Forbes	Core	48.83	23.34	4.75	20.4	93.4	96.9	-4.02	-4.02	2.00	2.00
HREC	64	Lynn Frey	Core	59.02	23.21	5.11	22.0	94.3	108.7	-3.63	-3.63	0.00	0.00
HREC	65	Jim Forbes	Core	58.14	20.69	4.10	19.8	98.9	99.4	3.93	3.93	2.75	2.75
HREC	66	Jim Forbes	Core	56.92	20.23	4.45	22.0	98.6	103.8	5.31	5.31	0.00	0.00
HREC	67	Clyde Peterson	Core	55.10	23.20	5.35	23.1	91.4	91.9	-3.6	-3.60	-1.38	-1.38
		Average		57.70	23.02	5.05	21.98	92.65	98.83	-3.05	-2.26	0.02	0.07
		Min.		48.34	19.01	3.80	17.30	77.20	76.60	-15.33	-6.00	-6.63	-5.00
		Max.		66.20	27.11	6.17	27.30	98.90	117.90	8.97	8.97	5.88	5.00
HREC	101	Don Lawson	Core	35.38	27.66	6.1	22.1	72.9	107				
HREC	102	Don Lawson	Core	44.26	26.52	4.87	18.4	80.6	116.8				
HREC	103	Loni Blackman	Core	42.21	27.46	5.98	21.8	72.2	101.1				
HREC	104	Jean Blackman	Core	39.76	27.47	6.26	22.8	71.7	101				
HREC	105	Doug Hitch	Core	52.78	25.83	5.52	21.4	85.5	89.3				
HREC	106	Doug Hitch	Core	50.22	27.1	5.51	20.3	79.4	95.4				
HREC	107	Margaret Ellter	Core	50.79	27.53	6.22	22.6	73.4	100.7				
HREC	108	Timber Coulee	Core	48.15	25.84	5.71	22.1	81.3	93.5				
HREC	110	HREC	Core	52.42	29.51	7.53	25.5	59.4	85.4				
HREC	111	HREC	Core	48.04	28.35	4.88	17.2	69.8	97.2				
HREC	112	HREC	Core	54.49	27.38	5.83	21.3	71.8	92				
		Average		47.14	27.33	5.86	21.41	74.36	98.13				
		Min.		35.38	25.83	4.87	17.20	59.40	85.40				
		Max.		54.49	29.51	7.53	25.50	85.50	116.80				
HREC	109	Curt Stanley	Core	53.98	30.16	6.03	20	56.1	84.5				
HREC	113	Curt Stanley	Core	41.25	32.1	7.17	22.3	44.1	87.6				
HREC	114	Curt Stanley	Core	57.52	35.47	9.69	27.3	30.9	83.5				
HREC	115	Burton Anderson	Core	51.74	30	6.47	21.6	57.9	71.7				
HREC	116	Burton Anderson	Core	57.65	35.33	9.68	27.4	30.6	75.8				
HREC	117	Burton Anderson	Core	53.15	32.93	8.5	25.8	40.1	78.6				
		Average		52.55	32.67	7.92	24.07	43.28	80.28				
		Min.		41.25	30.00	6.03	20.00	30.60	71.70				
		Max.		57.65	35.47	9.69	27.40	57.90	87.60				