

2021 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

TID	Owner	Sample	Lab scoured yield, %	Mean fiber diameter, microns	SD, microns	CV, %	Comfort factor, %	Mean fiber curvature, deg/mm	Fiber Dia equation	Fiber Dia	Variability	Variability
Y1	Estelle Cook	Core	57.30	21.38	4.84	22.6	96.2	108.3	1.86	1.86	-0.75	-0.75
Y2	Estelle Cook	Core	52.24	22.52	5.16	22.9	95.2	110.9	-1.56	-1.56	-1.13	-1.13
Y3	Estelle Cook	Core	53.09	24.03	5.24	21.8	89.9	108.7	-6.09	-6.00	0.25	0.25
Y4	Estelle Cook	Core	56.84	21.81	4.60	21.1	95.5	112.0	0.57	0.57	1.13	1.13
Y5	Estelle Cook	Core	59.11	22.31	4.65	20.8	95.4	112.0	-0.93	-0.93	1.50	1.50
Y6	Estelle Cook	Core	53.50	23.42	5.95	25.4	93.0	96.2	-4.26	-4.26	-4.25	-4.25
Y7	Burton Anderson	Core	60.09	27.02	5.48	20.3	75.9	79.4	-15.06	-6.00	2.13	2.13
Y8	Burton Anderson	Core	53.94	25.32	5.36	21.2	85.3	96.3	-9.96	-6.00	1.00	1.00
Y9	Burton Anderson	Core	61.70	22.80	4.53	19.9	95.1	85.7	-2.4	-2.40	2.63	2.63
Y10	Ben Pearson	Core	49.32	21.46	5.67	26.4	94.4	111.7	1.62	1.62	-5.50	-5.00
Y11	TW Schalesky	Core	56.82	23.47	4.71	20.1	94.1	89.1	-4.41	-4.41	2.38	2.38
Y12	TW Schalesky	Core	61.10	24.48	5.19	21.2	88.8	93.4	-7.44	-6.00	1.00	1.00
Y13	TW Schalesky	Core	50.68	25.00	5.35	21.4	88.6	107.8	-9	-6.00	0.75	0.75
Y14	Don Lawson	Core	46.90	26.19	5.62	21.5	81.2	106.1	-12.57	-6.00	0.63	0.63
Y15	Don Lawson	Core	52.55	24.62	5.57	22.6	88.6	106.1	-7.86	-6.00	-0.75	-0.75
Y16	Don Lawson	Core	51.89	25.88	5.27	20.4	83.2	116.1	-11.64	-6.00	2.00	2.00
Y17	Tate Ollila	Core	54.76	21.10	4.40	20.9	97.7	113.1	2.7	2.70	1.38	1.38
Y18	Tate Ollila	Core	56.15	20.22	4.52	22.4	97.9	85.1	5.34	5.34	-0.50	-0.50
Y19	Tate Ollila	Core	58.13	20.69	4.08	19.7	99.1	103.3	3.93	3.93	2.88	2.88
Y20	Tate Ollila	Core	64.92	22.84	4.66	20.4	94.9	81.4	-2.52	-2.52	2.00	2.00
Y21	Tate Ollila	Core	57.94	20.68	4.00	19.3	99.0	96.7	3.96	3.96	3.38	3.38
Y22	Tate Ollila	Core	58.29	23.20	5.04	21.7	94.4	90.7	-3.6	-3.60	0.38	0.38
Y23	Tate Ollila	Core	54.23	24.45	4.95	20.2	89.5	96.3	-7.35	-6.00	2.25	2.25
Y24	Rocky Hill	Core	59.22	21.31	4.03	18.9	98.6	89.1	2.07	2.07	3.88	3.88
Y25	Erk Brothers	Core	60.83	21.17	4.45	21.00	98.00	94.80	2.49	2.49	1.25	1.25
Y26	Rocky Hill	Core	54.50	22.79	4.43	19.4	96.2	104.0	-2.37	-2.37	3.25	3.25
Y27	Erk Brothers	Core	48.56	20.52	4.24	20.7	98.8	119.5	4.44	4.44	1.63	1.63
Y28	Erk Brothers	Core	57.26	22.39	5.00	22.3	95.5	90.5	-1.17	-1.17	-0.38	-0.38
Y29	Erk Brothers	Core	56.57	26.07	5.05	19.4	82.3	96.5	-12.21	-6.00	3.25	3.25
Y30	Erk Brothers	Core	61.94	20.04	4.55	22.7	98.2	86.2	5.88	5.88	-0.87	-0.87
Y31	Erk Brothers	Core	60.06	21.84	4.57	20.9	97.0	92.8	0.48	0.48	1.38	1.38
Y32	Erk Brothers	Core	52.87	22.49	5.34	23.7	94.5	105.2	-1.47	-1.47	-2.13	-2.13
Y33	Erk Brothers	Core	50.04	24.32	5.17	21.3	89.6	116.6	-6.96	-6.00	0.87	0.87
Y34	Erk Brothers	Core	54.79	23.93	5.21	21.8	90.1	80.5	-5.79	-5.79	0.25	0.25
Y35	Erk Brothers	Core	61.27	24.33	5.15	21.2	88.9	85.7	-6.99	-6.00	1.00	1.00
Y36	Ian McGivney	Core	46.37	21.52	4.40	20.4	97.5	95.8	1.44	1.44	2.00	2.00
Y37	Ian McGivney	Core	52.76	23.27	4.82	20.7	93.3	104.8	-3.81	-3.81	1.63	1.63
Y38	Matt Rabel	Core	57.24	24.69	5.26	21.3	88.1	89.3	-8.07	-6.00	0.87	0.87
Y39	Matt Rabel	Core	54.90	20.07	4.05	20.2	98.9	98.6	5.79	5.79	2.25	2.25
Y40	Matt Rabel	Core	50.07	23.40	4.55	19.4	94.3	85.9	-4.2	-4.20	3.25	3.25
Y41	Matt Rabel	Core	49.44	23.91	4.57	19.1	92.4	110.6	-5.73	-5.73	3.63	3.63
Y42	Matt Rabel	Core	56.38	22.28	4.73	21.2	96.9	105.1	-0.84	-0.84	1.00	1.00
Y43	Matt Rabel	Core	53.92	22.35	4.83	21.6	94.5	94.1	-1.05	-1.05	0.50	0.50
Y44	Jim Forbes	Core	49.02	24.07	6.19	25.7	91.2	101.7	-6.21	-6.00	-4.63	-4.63
Y45	Jim Forbes	Core	56.72	22.55	4.02	17.8	97.3	100.1	-1.65	-1.65	5.25	5.00
Y46	Jim Forbes	Core	50.02	21.80	4.42	20.3	97.1	108.2	0.6	0.60	2.13	2.13
Y47	Jim Forbes	Core	55.45	22.60	4.24	18.8	96.3	81.3	-1.8	-1.80	4.00	4.00
Y48	Jim Forbes	Core	48.40	23.32	5.37	23.0	92.1	97.6	-3.96	-3.96	-1.25	-1.25
Y49	Jim Forbes	Core										
Y50	Jim Forbes	Core	53.60	21.03	4.13	19.60	98.10	103.50	2.91	2.91	3.00	3.00
Y51	Beau Chapman	Core	57.63	23.30	4.59	19.70	94.20	112.40	-3.9	-3.90	2.88	2.88
Y52	Beau Chapman	Core	55.99	23.59	4.82	20.40	92.70	105.70	-4.77	-4.77	2.00	2.00
Y53	Beau Chapman	Core	57.31	24.60	5.58	22.7	87.9	90.1	-7.8	-6.00	-0.87	-0.87
Y54	Beau Chapman	Core	55.97	21.83	4.51	20.7	96.7	111.1	0.51	0.51	1.63	1.63
Y55	Beau Chapman	Core	52.78	21.23	5.48	25.8	98.3	113.2	2.31	2.31	-4.75	-4.75
Y56	Beau Chapman	Core	58.50	23.92	5.26	22.0	89.7	78.5	-5.76	-5.76	0.00	0.00
	Average		55.13	22.93	4.87	21.23	93.24	99.19	-2.80	-1.98	0.96	0.96
	Minimum		46.37	20.04	4.00	17.80	75.90	78.50	-15.06	-6.00	-5.50	-5.00
	Maximum		64.92	27.02	6.19	26.40	99.10	119.50	5.88	5.88	5.25	5.00
W1	Don Lawson	Core	42.41	27.16	5.78	21.3	73.3	104.5				
W2	Don Lawson	Core	52.08	28.34	6.34	22.4	67.1	94.2				
W3	Don Lawson	Core	49.84	28.51	6.02	21.1	66.7	100.4				
W5	Doug Hitch	Core	48.04	26.93	7.02	26.1	72.5	100.1				
W4	Doug Hitch	Core	47.57	25.65	5.82	22.7	84.8	110.7				
W6	Doug Hitch	Core	54.90	28.21	5.87	20.80	68.40	92.90				
W7	Jean Blackman	Core	53.05	28.66	5.76	20.10	64.40	96.70				
W8	Loni Blackman	Core	49.00	25.15	5.21	20.70	86.20	116.00				
W9	Blackman Columbias	Core	49.79	24.24	4.65	19.2	91.6	113				
W10	Blackman Columbias	Core	57.83	26.81	6.34	23.6	77	91.3				
W20	HREC	Core	44.07	26	5.37	20.7	81	96.6				
W21	HREC	Core	52.83	25.18	4.66	18.5	89.2	106.4				
W22	Timber Coulee	Core	55.41	25.56	5.73	22.4	82.9	98.5				
W25	Faith Gasvoda	Core	62.63	26.51	6.72	25.3	75.3	84.6				
W36	Margaret Eller	Core	53.90	27.36	5.64	20.6	74.6	93.1				
	Average		51.56	26.68	5.80	21.70	77.00	99.93				
	Minimum		42.41	24.24	4.65	18.50	64.40	84.60				
	Maximum		62.63	28.66	7.02	26.10	91.60	116.00				
W23	Curt Stanley	Core	58.84	33.21	8.3	25	37.6	92.9				
W33	Burton Anderson	Core	46.46	31.28	7.19	23.00	46.20	86.20				
W17	Wade Kopren	Core	55.32	20.55	3.98	19.40	98.60	96.50				
W18	Wade Kopren	Core	53.52	23.99	5.44	22.70	90.70	102.10				
W19	Wade Kopren	Core	56.78	23.65	5.11	21.6	91.3	89.8				
W11	Peterson Sheep Co	Core	45.50	26.75	5.84	21.8	77.9	110.8				
W12	Peterson Sheep Co	Core	49.29	22.59	4.47	19.8	96.6	106.5				
W13	Peterson Sheep Co	Core	54.90	24.54	4.49	18.3	90.9	108				
W14	Peterson Sheep Co	Core	52.87	22.35	4.59	20.5	95.6	104.1				
W15	Peterson Sheep Co	Core	47.00	23.8	6.03	25.3	90.4	119.5				
W16	Peterson Sheep Co	Core	54.04	26.01	5.07	19.5	83.1	107.4				