

2023-2024 Dakota Fall Ram Test

Hettinger Research Extension Center

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Comfort Factor = % of fibers in the sample less than 30 microns

Curvature = crimp per inch (bigger is better)

Adjustments - core

TID	Owner	Sample	Lab scored yield, %	Mean fiber diameter, microns	SD, microns	CV, %	Comfort factor, %	Mean fiber curvature, deg/mm	Adjustments - core			
									Fiber Dia equation	Fiber Dia	Variability	Variability
W-1	Cook Sister	Core	54.96	23.98	0.21	21.3	90.4	106.2	-5.93	-5.93	0.94	0.94
W-2	Cook Sister	Core	63.51	22.40	0.16	21.5	95.6	98.5	-1.20	-1.20	0.59	0.59
W-3	Cook Sister	Core										
W-4	Cook Sister	Core										
W-5	Flying O Sheep Co	Core	52.55	22.73	0.22	19.1	95.4	102.3	-2.18	-2.18	3.66	3.66
W-6	Flying O Sheep Co	Core	51.20	24.60	0.54	16.9	92.3	94.8	-7.80	-6.00	6.38	5.00
W-7	Flying O Sheep Co	Core	52.05	21.50	0.08	17.8	98.3	98.8	1.50	1.50	5.25	5.00
W-8	Flying O Sheep Co	Core	48.98	21.98	0.10	17.9	98.0	106.8	0.07	0.07	5.19	5.00
W-9	Flying O Sheep Co	Core	55.93	23.70	0.47	17.7	94.8	98.1	-5.10	-5.10	5.41	5.00
W-10	Flying O Sheep Co	Core	46.63	24.45	0.26	17.1	92.9	119.7	-7.35	-6.00	6.09	5.00
W-11	Flying O Sheep Co	Core	49.27	21.40	0.08	18.5	98.0	115.0	1.80	1.80	4.44	4.44
W-12	Flying O Sheep Co	Core	51.27	23.03	0.38	17.3	97.2	108.0	-3.08	-3.08	5.84	5.00
W-13	Flying O Sheep Co	Core	51.54	21.28	0.15	15.4	99.2	98.6	2.18	2.18	8.28	5.00
W-14	Flying O Sheep Co	Core	61.19	22.33	0.24	20.2	95.7	103.3	-0.97	-0.97	2.22	2.22
W-15	Weston Borchers	Core	54.69	22.78	0.17	25.4	91.5	95.7	-2.33	-2.33	-4.25	-4.25
W-16	Weston Borchers	Core	47.87	25.95	0.35	24.4	79.0	102.9	-11.85	-6.00	-2.97	-2.97
W-17	Chapman Rambouillet	Core	54.56	24.60	0.08	18.0	92.2	113.2	-7.80	-6.00	5.00	5.00
W-18	Chapman Rambouillet	Core	46.66	23.80	0.14	23.3	89.8	110.4	-5.40	-5.40	-1.66	-1.66
W-19	Chapman Rambouillet	Core	61.15	21.85	0.24	20.3	96.3	94.9	0.45	0.45	2.19	2.19
W-20	Chapman Rambouillet	Core	61.71	23.63	0.50	23.2	90.6	92.3	-4.88	-4.88	-1.50	-1.50
W-21	Burton Anderson	Core	51.21	25.58	0.21	21.1	83.5	103.0	-10.73	-6.00	1.13	1.13
W-22	Burton Anderson	Core	51.12	22.23	0.22	20.0	96.0	107.7	-0.68	-0.68	2.53	2.53
W-23	Burton Anderson	Core	57.60	22.90	0.54	20.4	94.6	100.0	-2.70	-2.70	2.03	2.03
W-24	Burton Anderson	Core	43.69	23.25	0.19	21.0	93.4	126.8	-3.75	-3.75	1.22	1.22
W-25	Dry Creek Rambouillet	Core	41.50	26.00	0.14	16.8	87.5	118.8	-12.00	-6.00	6.50	5.00
W-26	Dry Creek Rambouillet	Core	55.56	24.60	0.65	17.9	91.7	102.0	-7.80	-6.00	5.09	5.00
W-27	Rocky Hill	Core	55.13	23.10	0.26	20.0	94.0	97.0	-3.30	-3.30	2.56	2.56
W-28	Rocky Hill	Core	45.77	21.45	0.19	19.7	97.5	116.6	1.65	1.65	2.91	2.91
W-29	Erk Brothers	Core	60.61	23.05	0.17	16.7	96.7	113.8	-3.15	-3.15	6.69	5.00
W-30	Erk Brothers	Core										
W-31	Erk Brothers	Core	49.63	20.50	0.18	17.5	98.8	116.8	4.50	4.50	5.66	5.00
W-32	Erk Brothers	Core	54.78	20.80	0.24	17.4	98.9	107.4	3.60	3.60	5.75	5.00
W-33	Erk Brothers	Core	59.91	23.53	0.26	16.6	96.0	104.9	-4.58	-4.58	6.72	5.00
W-34	Erk Brothers	Core	54.96	24.15	0.26	17.8	92.8	99.0	-6.45	-6.00	5.31	5.00
W-35	Erk Brothers	Core	48.54	20.65	0.17	18.9	98.1	110.7	4.05	4.05	3.84	3.84
W-36	Erk Brothers	Core	57.84	23.08	0.26	18.9	94.7	109.3	-3.23	-3.23	3.94	3.94
W-37	Erk Brothers	Core	56.08	21.63	0.28	18.7	97.1	107.4	1.13	1.13	4.09	4.09
W-38	Erk Brothers	Core	51.52	21.05	0.37	18.7	98.6	105.6	2.85	2.85	4.13	4.13
W-39	Erk Brothers	Core	60.59	22.20	0.32	17.6	98.1	106.8	-0.60	-0.60	5.50	5.00
W-40	Forbes Rambouillet	Core	63.30	22.33	0.28	17.9	97.3	92.6	-0.97	-0.97	5.16	5.00
W-41	Forbes Rambouillet	Core	55.04	23.88	0.62	22.3	89.2	101.1	-5.63	-5.63	-0.41	-0.41
W-42	McGivney	Core	58.58	24.60	0.18	20.9	88.0	87.0	-7.80	-6.00	1.44	1.44
W-43	McGivney	Core	48.87	23.08	0.17	20.2	94.9	114.1	-3.23	-3.23	2.28	2.28
W-44	McGivney	Core	52.07	23.28	0.43	18.0	96.1	108.1	-3.83	-3.83	5.03	5.00
W-45	TW Schalesky	Core	54.86	22.73	0.17	19.3	95.1	110.2	-2.18	-2.18	3.44	3.44
W-46	Ben Pearson	Core										
	Average		53.68	22.99	0.27	19.26	94.17	105.37	-2.97	-2.36	3.42	3.07
	Minimum		41.50	20.50	0.08	15.38	79.00	86.98	-12.00	-6.00	-4.25	-4.25
	Maximum		63.51	26.00	0.65	25.40	99.15	126.78	4.50	4.50	8.28	5.00
Y-1	Luke Steinmetz	Core	47.04	25.63	0.40	20.4	86.2	117.7				
Y-2	Luke Steinmetz	Core	52.09	28.23	0.10	19.5	69.2	102.5				
Y-3	Loni Blackman	Core	43.52	24.73	0.34	20.3	88.4	121.6				
Y-4	Loni Blackman	Core	44.17	24.05	0.13	21.9	90.3	118.2				
Y-5	Timber Coulee Col	Core	57.04	24.35	0.06	20.2	90.8	102.5				
Y-6	Timber Coulee Col	Core	54.71	24.23	0.17	19.6	91.0	100.2				
Y-7	Timber Coulee Col	Core	46.25	27.13	0.22	18.5	78.8	109.6				
Y-8	NDSU - Fargo	Core	50.29	29.28	0.17	21.1	65.0	114.0				
Y-9	Faith Gasvoda	Core	56.38	25.13	0.13	18.7	88.3	101.7				
Y-10	Geneva Hills	Core	51.73	26.23	0.61	17.2	84.8	109.6				
Y-11	Charles Worm	Core	52.49	26.13	0.28	19.1	83.2	98.7				
Y-12	Charles Worm	Core	44.16	25.58	0.25	19.1	86.5	113.1				
Y-13	HREC	Core	49.80	26.78	0.44	20.0	79.8	109.2				
Y-14	HREC	Core	55.30	25.93	0.17	23.2	81.5	105.9				
	Average		50.36	25.95	0.25	19.91	83.12	108.87				
	Minimum		43.52	24.05	0.06	17.20	65.03	98.65				
	Maximum		57.04	29.28	0.61	23.23	91.03	121.58				
Y-15	Kopren Targhee	Core	49.76	21.23	0.26	19.2	98.1	117.9				
Y-16	Kopren Targhee	Core	54.89	27.78	0.24	17.2	74.6	89.0				
Y-17	Curt Stanley	Core	47.31	29.90	0.24	21.33	57.98	108.85				
Y-18	Curt Stanley	Core	46.10	31.60	0.34	22.95	46.83	106.90				
Y-19	Curt Stanley	Core	48.06	30.88	0.21	24.63	51.15	99.18				
Y-20	Burton Anderson	Core	40.09	24.95	0.21	21.4	87.2	125.6				
Y-21	Burton Anderson	Core	39.79	26.63	0.49	23.2	76.6	112.5				
Y-22	TW Schalesky	Core	58.42	20.13	0.44	20.1	98.5	80.7				
	Average		48.05	26.63	0.30	21.23	73.85	105.07				
	Minimum		39.79	20.13	0.21	17.23	46.83	80.70				
	Maximum		58.42	31.60	0.49	24.63	98.50	125.58				