

2011 Dakota Ram Test
 Hettinger Research Extension Center
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Comfort Factor = % of fibers in the sample less than 30 microns (smaller is better)
 Curvature = crimp per inch (bigger is better)

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	Adjustments - core				
											Fiber Dia equation	Fiber Dia	Variability	Variability	
HREC	Burton Anderson	1	Core	52.99	21.16	5.36	25.33	95.88	110.1	71		2.52	2.52	-4.16	-4.16
HREC	Burton Anderson	2	Core	57.36	18.92	4.36	23.04	98.90	113.3	69		9.24	9.00	-1.30	-1.30
HREC	Wille Ranch	3	Core	61.05	22.58	4.66	20.64	95.70	101.1	60		-1.74	-1.74	1.70	1.70
HREC	Rod Wille	4	Core	67.25	22.85	4.47	19.56	95.29	106.8	64		-2.55	-2.55	3.05	3.05
HREC	TW Achalesky	5	Core	59.01	24.08	4.86	20.18	91.84	98.4	59		-6.24	-6.00	2.28	2.28
HREC	TW Achalesky	6	Core	54.12	23.68	4.41	18.62	93.90	103.2	58		-5.04	-5.04	4.23	4.23
HREC	TW Achalesky	7	Core	46.82	24.07	6.11	25.38	88.05	106.4	63		-6.21	-6.00	-4.23	-4.23
HREC	HREC	8	Core	57.40	28.74	5.88	20.46	64.28	82.4	51		-20.22	-6.00	1.93	1.93
HREC	Ian McGivney	9	Core	62.16	22.13	5.17	23.36	95.42	87.2	52		-0.39	-0.39	-1.70	-1.70
HREC	Ian McGivney	10	Core	45.58	23.17	4.81	20.76	94.46	119.4	70		-3.51	-3.51	1.55	1.55
HREC	Jim Forbes	11	Core	61.52	24.89	5.70	22.90	86.81	94.6	63		-8.67	-6.00	-1.13	-1.13
HREC	Jim Forbes	12	Core	63.80	23.24	4.58	19.71	94.31	95.6	57		-3.72	-3.72	2.86	2.86
HREC	Jim Forbes	13	Core	52.12	22.95	4.82	21.00	94.22	101.7	62		-2.85	-2.85	1.25	1.25
HREC	Jim Forbes	14	Core	55.34	23.12	4.51	19.51	95.03	82.5	54		-3.36	-3.36	3.11	3.11
HREC	Jim Forbes	15	Core												
HREC	Matt Rabel	16	Core	60.12	23.93	5.01	20.94	90.67	96.1	58		-5.79	-5.79	1.33	1.33
HREC	Matt Rabel	17	Core	66.96	28.14	6.20	22.03	68.04	80.6	51		-18.42	-6.00	-0.04	-0.04
HREC	Matt Rabel	18	Core	53.74	22.81	4.95	21.70	94.32	104.7	61		-2.43	-2.43	0.38	0.38
HREC	Matt Rabel	19	Core	57.05	22.80	5.00	21.93	93.77	88.5	54		-2.4	-2.40	0.09	0.09
HREC	Matt Rabel	20	Core	67.66	21.21	4.44	20.93	97.51	87.3	55		2.37	2.37	1.34	1.34
HREC	Cook Sisters	21	Core	56.51	23.62	5.48	23.20	91.70	90.9	56		-4.86	-4.86	-1.50	-1.50
HREC	Cook Sisters	22	Core	52.13	23.18	4.61	19.89	93.84	105.6	66		-3.54	-3.54	2.64	2.64
HREC	Cook Sisters	23	Core	60.53	22.67	5.63	24.83	91.51	101.7	65		-2.01	-2.01	-3.54	-3.54
HREC	Cook Sisters	24	Core	49.72	22.34	4.90	21.93	95.56	102.3	59		-1.02	-1.02	0.09	0.09
HREC	Cook Sisters	25	Core	58.43	23.52	5.75	24.45	90.14	105.7	65		-4.56	-4.56	-3.06	-3.06
HREC	Cook Sisters	26	Core	54.74	21.93	4.77	21.75	96.02	103.7	66		0.21	0.21	0.31	0.31
HREC	T J Swan	27	Core	58.02	21.40	4.82	22.52	96.43	98.3	63		1.8	1.80	-0.65	-0.65
HREC	T J Swan	28	Core	47.83	22.06	5.19	23.53	95.09	109.7	66		-0.18	-0.18	-1.91	-1.91
HREC	T J Swan	29	Core	61.94	23.36	5.56	23.80	90.69	99.8	63		-4.08	-4.08	-2.25	-2.25
HREC	T J Swan	30	Core	58.05	22.71	5.82	25.63	91.34	97.5	58		-2.13	-2.13	-4.54	-4.54
HREC	Rocky Hill	31	Core	57.21	22.99	4.99	21.71	94.05	96.3	61		-2.97	-2.97	0.36	0.36
HREC	Rocky Hill	32	Core	61.71	22.69	4.96	21.86	94.77	96.3	58		-2.07	-2.07	0.18	0.18
HREC	Paul Erk	33	Core	64.01	23.58	4.93	20.91	93.32	96.1	57		-4.74	-4.74	1.36	1.36
HREC	Paul Erk	34	Core	58.29	22.46	4.97	22.13	94.39	92.1	59		-1.38	-1.38	-0.16	-0.16
HREC	Paul Erk	35	Core	61.06	24.29	5.40	22.23	88.05	90.3	56		-6.87	-6.00	-0.29	-0.29
HREC	Paul Erk	36	Core	52.10	23.17	5.19	22.40	92.99	120.5	70		-3.51	-3.51	-0.50	-0.50
HREC	Paul Erk	37	Core	59.19	23.46	4.63	19.74	94.31	93.3	59		-4.38	-4.38	2.83	2.83
HREC	Lenard Chapman	38	Core	47.39	22.77	4.59	20.16	95.65	106.7	63		-2.31	-2.31	2.30	2.30
HREC	Lenard Chapman	39	Core	59.15	24.57	5.66	23.04	87.85	86.7	54		-7.71	-6.00	-1.30	-1.30
HREC	Lenard Chapman	40	Core	64.38	25.91	6.62	25.55	80.00	87.8	53		-11.73	-6.00	-4.44	-4.44
HREC	Lenard Chapman	41	Core	61.62	25.71	5.80	22.56	81.20	93.5	59		-11.13	-6.00	-0.70	-0.70
HREC	Lenard Chapman	42	Core	59.40	25.36	5.57	21.96	85.6	96.9	61		-10.08	-6.00	0.05	0.05
HREC	Lenard Chapman	43	Core	53.36	23.03	4.47	19.41	95.9	104.5	62		-3.09	-3.09	3.24	3.24
HREC	Lenard Chapman	44	Core	62.61	25.92	6.22	24.00	79.4	88	56		-11.76	-6.00	-2.50	-2.50
HREC	Lenard Chapman	45	Core	52.96	25.39	5.30	20.87	85.2	101.3	60		-10.17	-6.00	1.41	1.41
HREC	Lenard Chapman	46	Core	55.55	24.91	5.77	23.16	87.0	90	54		-8.73	-6.00	-1.45	-1.45
HREC	Lenard Chapman	47	Core	61.11	24.25	5.46	22.52	89.3	91.8	60		-6.75	-6.00	-0.65	-0.65
HREC	Lenard Chapman	48	Core	57.02	24.25	4.83	19.92	91.1	97.8	58		-6.75	-6.00	2.60	2.60
HREC	Lenard Chapman	49	Core	60.27	22.27	4.75	21.33	95.9	105.9	65		-0.81	-0.81	0.84	0.84
HREC	Lenard Chapman	50	Core	57.92	23.90	5.54	23.18	89.7	94.6	58		-5.7	-5.70	-1.48	-1.48
HREC	Lenard Chapman	51	Core	52.66	22.84	4.77	20.88	96.0	108.9	65		-2.52	-2.52	1.40	1.40
HREC	Lenard Chapman	52	Core	61.96	25.57	5.41	21.16	85.0	77.3	48		-10.71	-6.00	1.05	1.05
HREC	Lenard Chapman	53	Core	62.51	24.91	5.23	21.00	87.6	91.3	53		-8.73	-6.00	1.25	1.25
HREC	Lenard Chapman	54	Core	55.54	24.79	5.04	20.33	89.6	105.5	65		-8.37	-6.00	2.09	2.09
HREC	Lenard Chapman	55	Core	53.92	24.13	5.28	21.88	90.0	94.5	55		-6.39	-6.00	0.15	0.15
HREC	Lenard Chapman	56	Core	60.10	22.82	4.79	20.99	95.2	106.9	64		-2.46	-2.46	1.26	1.26
HREC	Lenard Chapman	57	Core	54.64	25.99	6.04	23.24	80.5	93.6	62		-11.97	-6.00	-1.55	-1.55
			MEAN	57.64	23.63	5.18	21.92	90.72	97.92	59.89		-4.89	-3.50	0.10	0.10
			MIN	45.58	18.92	4.36	18.62	64.28	77.30	48.00		-20.22	-6.00	-4.54	-4.54
			MAX	67.66	28.74	6.62	25.63	98.90	120.50	71.00		9.24	9.00	4.23	4.23