

# 2022-2023 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 scoured yield, %	Mean fiber diameter, microns	SD, microns	CV, %	Comfort factor, %	Mean fiber curvature, deg/mm	Fiber Dia equation	Fiber Dia	Variability	Variability
1	Cook Sister	Core	56.31	23.30	2.45	19.6	93.5	112.2	-3.9	-3.90	2.97	2.97
2	Cook Sister	Core	48.28	23.60	2.16	22.5	91.2	119.3	-4.8	-4.80	-0.59	-0.59
3	Cook Sister	Core	60.59	25.73	0.50	19.8	84.9	80.8	-11.175	-6.00	2.72	2.72
4	Cook Sister	Core	59.87	22.93	5.32	29.7	88.2	100.2	-2.775	-2.78	-9.56	-5.00
5	Cook Sister	Core	54.32	22.60	2.45	20.0	96.1	105.5	-1.8	-1.80	2.56	2.56
6	Cook Sister	Core	62.38	21.53	1.26	19.2	97.7	100.1	1.425	1.43	3.53	3.53
7	Cook Sister	Core	58.59	22.48	3.10	22.1	94.9	97.0	-1.425	-1.43	-0.13	-0.13
8	TW Schalesky	Core	52.23	24.63	5.32	19.1	89.8	113.0	-7.875	-6.00	3.59	3.59
9	TW Schalesky	Core	56.02	23.25	1.00	18.9	95.2	106.4	-3.75	-3.75	3.88	3.88
10	TW Schalesky	Core	55.39	23.30	0.82	19.7	94.2	110.0	-3.9	-3.90	2.91	2.91
11	Scott Crawford	Core	48.37	25.70	2.58	21.1	84.1	98.8	-11.1	-6.00	1.19	1.19
12	Flying O Sheep Co	Core	53.03	19.95	1.29	17.5	99.4	96.1	6.15	6.15	5.63	5.00
13	Flying O Sheep Co	Core	63.54	22.85	4.93	20.6	95.2	95.0	-2.55	-2.55	1.75	1.75
14	Flying O Sheep Co	Core	61.06	22.35	2.38	19.5	96.3	98.2	-1.05	-1.05	3.13	3.13
15	Flying O Sheep Co	Core	59.89	22.75	2.89	18.4	97.2	82.3	-2.25	-2.25	4.56	4.56
16	Flying O Sheep Co	Core	56.41	21.53	0.50	20.1	97.7	93.0	1.425	1.43	2.44	2.44
17	Flying O Sheep Co	Core	53.89	20.20	1.15	18.7	99.2	100.0	5.4	5.40	4.19	4.19
18	Flying O Sheep Co	Core	59.46	21.60	1.63	18.8	98.2	98.2	1.2	1.20	4.03	4.03
19	Flying O Sheep Co	Core	60.89	20.73	1.26	17.7	99.1	89.9	3.825	3.83	5.41	5.00
20	Chapman Rambouillet	Core	59.86	23.08	2.06	21.2	93.8	100.4	-3.225	-3.23	0.97	0.97
21	Chapman Rambouillet	Core	64.92	21.73	2.22	22.1	96.4	91.5	0.825	0.82	-0.16	-0.16
22	Chapman Rambouillet	Core	57.50	23.78	2.57	20.2	91.2	107.4	-5.325	-5.33	2.25	2.25
23	Burton Anderson	Core										
24	Burton Anderson	Core	54.68	26.48	4.35	21.0	85.9	101.3	-13.425	-6.00	1.28	1.28
25	Burton Anderson	Core	60.35	24.18	2.06	22.1	90.3	99.8	-6.525	-6.00	-0.09	-0.09
26	Burton Anderson	Core	48.08	23.35	1.29	22.7	91.9	120.8	-4.05	-4.05	-0.84	-0.84
27	Burton Anderson	Core	62.48	25.05	4.04	21.4	86.5	82.9	-9.15	-6.00	0.81	0.81
28	Burton Anderson	Core										
29	Dry Creek Rambouillet	Core	56.12	27.18	7.54	17.0	80.3	96.4	-15.525	-6.00	6.28	5.00
30	Dry Creek Rambouillet	Core	59.10	25.05	1.29	19.5	88.6	97.1	-9.15	-6.00	3.13	3.13
31	Rocky Hill	Core	56.87	23.68	2.22	18.9	94.9	115.7	-5.025	-5.02	3.84	3.84
32	Rocky Hill	Core	57.33	23.00	4.69	18.5	95.9	103.1	-3	-3.00	4.34	4.34
33	Rocky Hill	Core	60.58	23.25	3.11	20.2	95.1	91.6	-3.75	-3.75	2.28	2.28
34	Rocky Hill	Core	59.72	24.93	1.89	18.5	90.5	100.8	-8.775	-6.00	4.34	4.34
35	Erk Brothers	Core	58.14	23.45	2.52	19.0	95.1	102.2	-4.35	-4.35	3.75	3.75
36	Erk Brothers	Core	57.94	22.28	1.71	18.4	97.4	101.7	-0.825	-0.83	4.53	4.53
37	Erk Brothers	Core	56.37	23.90	5.16	18.8	93.9	121.0	-5.7	-5.70	4.00	4.00
38	Erk Brothers	Core	51.07	23.38	2.06	18.3	95.3	112.4	-4.125	-4.13	4.59	4.59
39	Erk Brothers	Core	63.77	24.03	2.63	20.0	92.0	90.0	-6.075	-6.00	2.56	2.56
40	Erk Brothers	Core	57.33	22.55	3.70	18.8	96.4	107.3	-1.65	-1.65	4.06	4.06
41	Erk Brothers	Core	61.96	24.63	1.50	17.6	92.3	100.2	-7.875	-6.00	5.47	5.00
42	Erk Brothers	Core	51.40	24.40	4.08	19.6	90.5	114.7	-7.2	-6.00	3.00	3.00
43	Erk Brothers	Core	54.83	21.35	3.70	18.6	97.8	99.7	1.95	1.95	4.31	4.31
44	Erk Brothers	Core	54.76	23.90	2.31	19.0	93.4	113.1	-5.7	-5.70	3.72	3.72
45	Erk Brothers	Core	59.84	21.80	1.15	17.5	98.5	95.1	0.6	0.60	5.69	5.00
46	Erk Brothers	Core	56.07	22.05	3.11	17.5	98.0	106.7	-0.15	-0.15	5.69	5.00
	<b>Average</b>		<b>57.31</b>	<b>23.26</b>	<b>2.64</b>	<b>19.75</b>	<b>93.49</b>	<b>101.55</b>	<b>-3.78</b>	<b>-2.82</b>	<b>2.82</b>	<b>2.83</b>
	<b>Minimum</b>		<b>48.08</b>	<b>19.95</b>	<b>0.50</b>	<b>16.98</b>	<b>80.28</b>	<b>80.78</b>	<b>-15.53</b>	<b>-6.00</b>	<b>-9.56</b>	<b>-5.00</b>
	<b>Maximum</b>		<b>64.92</b>	<b>27.18</b>	<b>7.54</b>	<b>29.65</b>	<b>99.35</b>	<b>120.98</b>	<b>6.15</b>	<b>6.15</b>	<b>6.28</b>	<b>5.00</b>
Y-1	Raina Blackman	Core	57.32	24.80	2.83	19.7	88.7	95.7				
Y-2	Raina Blackman	Core	50.61	23.10	4.24	19.6	94.2	98.3				
Y-4	Jean Blackman	Core	48.17	24.28	3.20	20.5	91.3	118.1				
Y-5	Loni Blackman	Core	48.17	26.10	1.83	20.1	85.1	112.4				
Y-6	Timber Coulee Col	Core	54.39	28.90	1.41	21.5	62.0	87.5				
Y-7	Timber Coulee Col	Core	49.73	26.33	2.06	20.6	80.2	110.8				
Y-8	Timber Coulee Col	Core	53.12	27.88	2.22	21.6	68.1	96.3				
Y-9	Timber Coulee Col	Core	49.22	27.88	4.65	20.1	70.3	97.5				
Y-10	Timber Coulee Col	Core	52.88	25.10	2.45	22.9	85.7	102.8				
Y-11	Timber Coulee Col	Core	55.06	27.60	1.41	18.2	75.2	98.7				
Y-12	Doug Hitch	Core	55.04	27.73	3.95	17.4	75.4	100.6				
Y-13	Doug Hitch	Core	49.50	23.30	1.63	20.2	94.9	113.5				
Y-14	Doug Hitch	Core	51.57	27.18	1.71	21.3	75.1	101.9				
Y-15	Hettinger REC	Core	56.56	27.45	3.87	17.2	79.1	109.7				
Y-16	Hettinger REC	Core	51.48	28.23	2.63	18.6	71.8	101.8				
Y-17	NDSU - Fargo	Core	49.37	28.93	4.11	19.1	64.9	106.7				
Y-18	Heidi Klick	Core	52.17	27.80	6.98	23.9	70.0	96.1				
Y-19	Heidi Klick	Core	54.98	27.83	0.50	23.3	71.3	84.5				
Y-20	Fred Eagleson	Core	54.57	23.43	2.75	19.9	91.2	104.9				
Y-21	Faith Gasvoda	Core	47.24	30.18	1.26	21.7	56.4	100.1				
	<b>Average</b>		<b>52.06</b>	<b>26.70</b>	<b>2.78</b>	<b>20.35</b>	<b>77.52</b>	<b>101.88</b>				
	<b>Minimum</b>		<b>47.24</b>	<b>23.10</b>	<b>0.50</b>	<b>17.20</b>	<b>56.38</b>	<b>84.53</b>				
	<b>Maximum</b>		<b>57.32</b>	<b>30.18</b>	<b>6.98</b>	<b>23.88</b>	<b>94.88</b>	<b>118.05</b>				
Y-22	Curt Stanley	Core	63.92	33.98	3.95	23.9	34.8	88.0				
Y-23	Curt Stanley	Core	45.13	33.43	3.30	23.0	37.8	97.2				
Y-24	Burton Anderson	Core	53.88	36.20	1.43	21.5	22.8	83.4				
Y-25	Burton Anderson	Core	54.06	33.03	3.30	22.0	39.4	88.7				
	<b>Average</b>		<b>54.24</b>	<b>34.16</b>	<b>3.00</b>	<b>22.61</b>	<b>33.72</b>	<b>89.30</b>				
	<b>Minimum</b>		<b>45.13</b>	<b>33.03</b>	<b>1.43</b>	<b>21.53</b>	<b>22.83</b>	<b>83.35</b>				
	<b>Maximum</b>		<b>63.92</b>	<b>36.20</b>	<b>3.95</b>	<b>23.93</b>	<b>39.40</b>	<b>97.18</b>				