

# Eventing Cross-Country Going Data

Course:	Plantation Field CCI4*S			Date and time:		8/22/2024 - 9:21:00 AM		Measure site description			
Pre-event Measure no:	Soil moisture	Cushioning	Firmness	Depth	Energy return	Stiffness (top ground layer)	Stiffness (lower ground)	Going value	Data collected every	125m	Operator
									Location		MB A/vated
1	23	11.45	97	23	10	195	355	4.2	Start		
2	20	9.78	77	27	8	183	223	2.5			
3	23	11.26	96	21	8	239	358	4.5			
4	21	11.11	94	23	8	201	335	4.0			
5	23	11.02	91	25	10	209	314	3.9			
6	22	9.52	72	29	9	130	200	1.9			
7	28	10.04	80	27	10	142	241	2.5			
8	22	9.56	73	31	9	104	205	1.8			
9	20	10.70	86	25	9	155	292	3.2			
10	22	9.94	76	24	10	144	216	2.3			
11	23	11.69	99	21	10	249	365	4.8	Ruins Exit		
12	20	9.74	75	30	9	156	215	2.2			
13	26	9.07	68	30	9	99	173	1.3	9 Exit		
14	28	9.02	66	29	11	100	162	1.2			
15	17	9.19	69	28	7	123	180	1.5			
16	28	9.24	71	27	9	117	192	1.6			
17	24	9.79	76	30	9	133	224	2.2			
18	20	10.72	88	25	9	145	282	3.1			
19	23	10.93	92	24	8	202	315	3.8	13 AB Exit		
20	19	9.94	77	28	9	159	221	2.4			
21	30	9.55	75	28	10	116	213	1.9			
22	19	10.63	87	27	8	196	280	3.4			
23	26	9.57	77	24	7	165	231	2.4	17ABC Pond Exit		
24	32	8.85	68	27	9	144	173	1.5			
25	26	10.03	81	28	8	139	255	2.6			
26	27	9.05	69	29	9	116	179	1.4			
27	26	9.64	75	29	9	123	210	2.0			
28	23	9.10	69	34	8	107	183	1.4			
29	26	9.68	78	26	8	160	233	2.4			
30	20	12.21	105	21	9	271	428	5.5	Woods Exit		
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<b>Average</b>	24	10.1	80	27	9	157	248		<b>Course variability</b>	<b>Going value (0-10)</b>	
<b>SD</b>	3.5	0.9	10.7	3.1	0.9	45.5	68.8		<b>15.9</b>	<b>2.6</b>	
<b>SD%</b>	14.9%	8.9%	13.3%	11.7%	10.0%	28.9%	27.7%				
<b>Data supplied by Boekholder &amp; Associates, LLC - Middletown, Delaware 19709</b> <b>(215) 828-4329 mike@boekholder.com</b>									Overall going assessment	<b>GOOD, Good/Soft in places</b>	

Notes on measurements. (some ranges amended on 11/11/2023)

Version

2024 v1

<b>Soil moisture</b>	<5 very dry	5-15 dry	15-40 good	<b>Stiffness</b> = surface stiffness in either top or lower ground layers	Top (0-10 cm) layer	<100 soft	100-140 gd/so	140-230 good
	40-55 wet	>55 very wet			Lower (10-25cm)	230-310 gd/fir	310-400 firm	>400 hard
<b>Cushioning</b> = how much the surface is supportive when ridden on.	<7 soft	7-8.5 gd/soft	8.5-11.5 good	<b>Course variability value</b>		<130 soft	30-175 gd/so	175-350 good
	11.5-13 gd/fm	13-14 firm	>14 hard			350-450 gd/fir	450-550 firm	>550 hard
<b>Firmness</b> = peak deacceleration at impact @ 4m/s impact speed	<50 soft	50-70 gd/soft	70-95 good	<b>Going value</b> (0-10 scale range)		<10 consistent	10-20 average	>20 variable
	95-115 gd/fm	115-130 firm	>130 hard			0-0.75 soft	0.75-1.75 gd/soft	1.75-4.75 good
<b>Depth</b> = penetration depth in mm @ 4m/s impact speed	>32 soft	28-32 gd/soft	22-28 good			4.75-6.25 gd/fm	6.25-8 firm	>8 hard
	18-22 gd/fm	14-18 firm	<14 hard					
<b>Energy return</b> = % recoil energy from the surface @ 4m/s impact speed	<7 low	7-10 average	>10 good					

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