

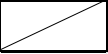


附表. 毎木データ

記録全般に関する特記事項：  
各立木の胸高直径欄に間伐と記した場合、当該個体が前回測定以後その測定回までに間伐されたことを示す。  
枯死したと記録された立木番号個体の測定値が後の測定回で改めて記録される場合や、新たな立木番号個体が追加される場合が稀にあることに注意を要する。原因として、測定漏れ個体の発見、樹幹に記す番号の誤記や記入忘れ、野帳への番号誤記などが考えられる。合理的に改善できた場合は記録を紙記録から整理改善したうえで本報告に掲載した。  
過去報告（竹内・長谷川、1975）では異常値を前後の値から補正（修正）した場合や、欠測値を前後の値から補充した場合があるが、本報告ではそれらは行わずに空欄のままとした。測定記録があるが空欄とした場合は下記のように、それがわかるよう表記した。  
牛蒡沢区では、区画外縁にある No.424 は 1 本だけヒノキのため、測定していない場合がある。二ノ台区では、立木番号の混乱が比較的多くみられることに注意を要する。  
なお、野帳に記録されている単木ごとの備考の記述内容についても、東京大学演習林毎木調査試験地データベース（UTFEEP）において順次公開していく予定である。

調査区・調査年ごとに冒頭に記載した、全木を対象とする特記事項：  
既公表： 竹内・長谷川（1975）、鈴木ら（1999）において単木データが公表されていることを示す。  
微修正： 円周率計算・端数処理・表示桁数変更といった計算処理上の都合で、多くの個体について過去報告（竹内・長谷川、1975；鈴木ら、1999）での公表値を微修正したことを示す。  
間伐： 前回測定以後に間伐が行われたことを示す。  
雪害： 前回測定以後にまとまった雪害が生じたことを示す。  
記録無： 欠測もしくは記録が残っていないことを示す。  
欠測扱い： 記録があるが異常であるため、欠測扱いとすることを示す。

単木ごとの特記事項の凡例：

19.2	過去報告（竹内・長谷川、1975；鈴木ら、1999）での公表値がミス等で不適切であり、今回修正したもの。
19.2	円周率計算・端数処理・表示桁数変更といった計算処理上の都合で、過去報告（竹内・長谷川、1975；鈴木ら、1999）での公表値を微修正したもの。なお、当該調査区・調査年の値が全般的にこれに該当する場合は、調査区・調査年ごとの全木を対象とする備考に「微修正」と記載の上で、単木での表示は省略した。
19.2	過去報告（竹内・長谷川、1975；鈴木ら、1999）で未掲載だったが記録を発見したため、今回追加したもの。
	過去報告（竹内・長谷川、1975）において、「一連の値をグラフ上にプロットし、フリーハンドで曲線をあてはめ、その曲線から逆に読み取った」値として掲載されていた、修正値（前後の関係から、測定値が異常値で、ミスによると判断されたもの）・補充値（測定もれのため記録がないもの）を削除したもの。当該個体は健在だったと考えられる。
	過去報告（竹内・長谷川、1975；鈴木ら、1999）で測定記録を掲載していたが、前後の関係から、測定値が異常であると新たに判断して削除したもの。当該個体は健在だったと考えられる。
	過去未公開で、測定値の記録があるが、測定値が異常であると判断して削除したもの。

このほか、測定漏れ等により、空欄だが後の測定では値が記載された場合がある。

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

郷台1号    スギ   面積 0.142 ha    1905 年植栽

年度 林齢 備考	1916	1921	1925	1930	1935	1940	1948	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表			
		雪害	間伐	間伐		間伐	間伐						間伐					間伐			
	微修正	微修正	微修正																cm単 位測定		
立木No. 1	8.71	9.09	間伐																		
2	10.98	12.35	13.48	14.05	14.25	14.75	間伐														
3	7.65																				
4	11.67	14.77	16.21	20.55	23.05	25.50	28.55	29.50	32.30	32.70	34.40	35.10	36.90	<u>38.70</u>	39.00	39.15	41.05	42.15	44.50	46.10	48.05
5	12.20	14.54	間伐																		
6	14.47	16.06	18.03	19.65	21.25	22.50	間伐														
7	10.30	10.07	間伐																		
8	11.82	13.41	14.85	15.50	16.20	16.60	間伐														
9	15.00	16.36	18.03	19.60	<u>21.10</u>	23.45	26.60	27.50	30.20	30.70	32.90	33.40	34.85	36.35	37.50	37.85	38.75	39.60	41.50	41.95	43.25
10	10.83	11.82	間伐																		
11	12.12	14.54	17.27	18.80	21.00	23.05	25.75	26.75	29.15	29.75	31.90	32.50	34.00	35.45	36.90	37.25	38.25	40.80	42.00	44.05	45.95
12	8.26	7.20	間伐																		
13	5.61	5.91	間伐																		
14	12.95	15.91	17.73	18.90	20.70	21.95	24.95	24.90	26.15	26.20	29.25	29.25	29.85	29.50	31.20	31.30	31.60	32.10	33.00	33.55	34.45
15	6.44																				
16	14.92	17.88	19.70	22.40	24.70	27.00	31.05	31.55	34.15	34.70	36.95	37.65	39.65	41.90	43.00	45.70	46.80	49.60			
17	4.01																				
18	11.44	12.88	間伐																		
19	5.45																				
20	12.80	14.85	16.82	18.70	20.80	22.65	25.05	26.10	28.10	28.65	30.40	31.05	32.25	33.80	34.10	35.50	37.00	37.90	40.00	41.90	43.10
21	13.64	15.68	間伐																		
22	15.53	18.18	21.21	23.65	27.00	30.05	34.70	35.70	39.85	40.70	44.15	45.55	46.40	51.10	51.50	54.70	56.25	56.85	60.50	60.70	63.50
23	11.21	12.12	間伐																		
24	16.29	18.10	20.30	21.25	22.35	24.25	27.70	28.30	30.80	31.75	32.60	33.45	間伐								
25	13.64	15.07	16.51	18.50	21.05	間伐															
26	13.10	14.01	15.07	15.40	15.95	間伐															
27	8.33	8.18	間伐																		
28	7.20	8.18	間伐																		
29	14.17	16.06	16.44	19.00	20.30	間伐															
30	13.03	13.86	間伐																		
31	13.94	15.38	16.89	17.65	19.40	20.95	間伐														
32	13.48	15.91	18.26	20.20	22.30	24.20	27.60	28.70	30.90	31.65	32.85	33.35	34.25	35.70	36.00	37.20	38.65	39.10	41.00	42.10	42.60
33	11.97	13.26	13.64	14.90	15.60	15.95	間伐														
34	11.67	12.88	間伐																		
35	13.48	16.59	18.94	<u>20.60</u>	22.35	24.10	26.60	26.70	28.35	28.85	29.80	30.30	間伐								
36	6.21	6.21	間伐																		
37	4.70																				
38	9.24	10.76	間伐																		
39	10.00	11.97	14.17	14.85	<u>15.90</u>	17.00	17.95	18.60	18.70	19.20	19.40	19.45	19.55	19.85	19.60	20.55	20.80	間伐			
40	10.68	12.27	間伐																		
41	13.79	16.51	18.94	20.40	<u>22.30</u>	23.80	間伐														
42	5.91																				
43	12.04	13.86	間伐																		
44	12.27	13.26	14.09	14.60	14.70	間伐															
45	14.24	16.21	18.03	19.70	21.05	22.35	25.05	25.65	27.70	28.20	29.50	29.70	間伐								
46	13.48	14.62	間伐																		
47	13.48	14.39	間伐																		
48	15.83	18.18	21.29	23.15	25.35	27.25	30.80	32.10	34.50	34.70	37.05	38.75	40.40	<u>41.00</u>	41.30	43.15	45.25	46.90	49.00	50.40	52.60
49	6.21																				
50	15.60	17.73	19.77	22.05	23.40	24.50	間伐														
51	8.41	9.70	間伐																		
52	9.85	10.61	13.64	15.50	16.40	17.70	20.15	20.85	23.40	24.90	26.30	27.35	29.80	<u>31.20</u>	31.00	33.70	35.25	37.40	39.50	40.55	42.35
53	7.88																				
54	14.54	16.97	18.56	20.10	21.45	22.35	間伐														
55	12.20	12.73	間伐																		
56	13.56	15.00	16.51	17.90	19.40	20.50	22.15	23.00	24.00	23.85	24.35										
57	12.42	12.73	間伐																		
58	11.36	12.12	12.95	12.95	12.90	間伐															
59	4.32																				
60	11.36	13.64	15.98	17.60	19.60	21.10	間伐														
61	12.20	14.54	間伐																		
62	12.20	13.48	間伐																		
63	16.89	21.06	24.85	27.95	30.90	34.15	36.90	38.30	43.25	43.55	46.60	<u>47.60</u>	49.50	51.65	50.60	54.80	55.10	55.80	60.00		
64	5.00																				
65	5.76	5.91	間伐																		
66	8.56	9.24	間伐																		
67	6.97	7.65	間伐																		
68	14.55	16.89	18.63	19.50	20.65	21.65	22.30	23.40	23.70	24.00	24.80	24.80	24.70	25.10	25.10	25.85	26.25	間伐			
69	5.00																				
70	9.24	9.17	間伐																		

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胸高直径	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
71	11.82	13.94	15.91	17.50	19.10	20.30	間伐														
72	11.14	12.57	間伐																		
73	16.82	17.12	間伐																		
74	3.79																				
75	9.54	10.98	12.80	14.05	15.35	間伐															
76	11.14	11.97	12.42	間伐																	
77	16.13	18.48	21.44	23.20	25.25	27.65	30.30	31.85	34.60	34.70	37.50	37.70	39.20	41.40	41.00	42.75	45.00	44.20	46.50	48.20	50.05
78	10.00	11.06	間伐																		
79	21.74	24.62	28.63	<u>33.90</u>	36.25	40.00	<u>47.11</u>	<u>48.70</u>	50.30	51.15	54.60	55.60	57.25	58.60	58.30	62.30	63.00	62.15	65.50	66.30	67.25
80	8.71	8.94	間伐																		
81	9.24	10.45	間伐																		
82	7.88	8.18	間伐																		
83	7.20	7.73	間伐																		
84	16.21	18.48	20.30	21.25	22.60	24.15	間伐														
85	12.73	15.30	17.80	19.55	21.10	22.40	25.55	26.35	28.75	29.60	31.20	31.55	32.55	33.60	33.40	34.90	35.00	36.25	38.50	39.65	40.60
86	12.80	13.94	間伐																		
87	5.15																				
88	11.97	17.73	21.06	22.70	24.45	25.95	25.05	28.65	30.05	30.70	32.10	32.40	34.20	34.55	34.30	36.55	36.80	36.15	39.00	38.70	39.85
89	11.14	12.42	14.01	間伐																	
90	10.61	10.98	間伐																		
91	13.18	15.30	17.04	17.90	18.05	間伐															
92	11.82	13.26	間伐																		
93	8.18	9.70	11.97	13.55	<u>15.20</u>	16.65	間伐														
94	9.09	10.53	間伐																		
95	15.38	16.74	18.63	19.75	21.55	22.95	24.15	24.30	23.60												
96	11.89	12.27	13.03	間伐																	
97	13.10	15.30	間伐																		
98	10.53	11.67	13.10	間伐																	
99	9.32	11.51	間伐																		
100	18.86	21.66	24.39	26.55	28.85	31.00	34.00	35.40	37.35	38.10	38.95	40.05	41.90	43.70	40.70	42.25	44.20	44.70	47.00	47.50	50.20
101	8.11	8.18	間伐																		
102	14.62	17.88	22.57	28.00	31.75	35.80	<u>42.97</u>	<u>45.36</u>	49.45	50.55	54.75	59.05	61.90	<u>62.30</u>	64.40	68.50	71.70	77.20	79.50	84.80	85.45
103	10.76	11.14	間伐																		
104	12.95	15.00	17.50	19.20	21.10	23.10	25.15	26.65	28.70	29.60	31.15	31.95	33.10	33.30	31.40	33.10	32.25	間伐			
105	8.03																				
106	13.71	14.39	15.53	15.65	16.15	16.60															
107	4.24																				
108	13.64	15.15	16.21	16.45	16.65	16.80	17.05	17.20	17.45	17.15	17.40	17.55	17.55	17.70	17.10	17.75	17.75	間伐			
109	11.59	12.27	間伐																		
110	9.01	10.15	間伐																		
111	8.48	9.09	間伐																		
112	16.82	20.83	25.45	<u>27.20</u>	29.35	31.85	35.50	37.15	41.75	42.25	44.75	46.45	48.35	50.40	50.40	54.70	54.60	56.40	59.00	59.80	61.80
113	11.21	12.73	間伐																		
114	8.48																				
115	11.36	12.88	14.17	14.40	14.65	14.95	間伐														
116	12.73	15.45	17.35	18.95	<u>20.70</u>	20.75	間伐														
117	12.12	13.33	14.54	間伐																	
118	6.74	6.74	間伐																		
119	12.42	14.09	間伐																		
120	17.12	18.48	20.30	20.70	21.50	22.10	間伐														
121	8.71	8.64	間伐																		
122	15.98	16.51	17.95	17.75	18.15	間伐															
123	15.00	17.88	20.53	22.25	23.90	25.85	28.65	28.90	31.25	31.80	33.75	34.40	37.25	36.60	37.80	40.25	40.90	間伐			
124	4.85																				
125	6.44																				
126	16.29	17.73	間伐																		
127	12.80	15.23	16.06	19.25	21.00	22.75	24.85	25.75	27.65	27.75	29.55	29.95	31.05	31.65	32.00	33.35	33.30	33.50	34.00	38.00	37.05
128	6.89	6.89	間伐																		
129	12.42	13.41	間伐																		
130	7.27	8.79	間伐																		
131	11.51	14.39	16.13	16.60	17.25	17.50	18.10	19.25	18.60	18.30	18.65										
132	12.80	14.17	間伐																		
133	9.70	10.00	間伐																		
134	16.36	20.00	24.54	27.75	31.05	34.45	間伐														
135	11.82	12.20	間伐																		
136	14.32	16.97	19.39	20.90	23.10	24.60	29.05	29.70	32.95	33.80	35.35	36.00			36.40	38.95	37.75	37.90	39.50	39.65	39.85
137	14.09	15.30	16.36	間伐																	
138	14.09	15.91	17.57	19.10	21.25	23.00	間伐														
139	10.15	10.45	間伐																		
140	11.97	12.88	13.64	13.65	14.15	間伐															
141	11.14	12.88	間伐																		
142	14.01	16.06	18.33	20.50	22.85	24.60	27.35	28.65	32.15	32.35	35.75	37.05	40.75	43.55	41.10	43.55	46.40	51.00	52.00	54.30	57.00
143	10.23	12.20	間伐																		
144	11.67	13.48	15.60	18.00	20.20	22.55	間伐														
145	7.80	9.62	間伐																		
146	12.57	13.18	15.00	15.55	16.30	間伐															
147	13.33	15.15	間伐																		
148	9.17																				
149	10.91	11.44	12.73	間伐																	
150	8.71	8.71	間伐																		

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胸高直径	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
151	12.42	14.24	17.57	19.20	21.15	23.25	27.00	28.20	31.90	33.00	34.90	37.90	40.70	43.45	42.00	46.75	46.00	46.75	50.00	52.25	53.75
152	14.24	16.06	17.73	18.65	19.95	20.85	間伐														
153	10.91	10.68	間伐																		
154	12.95	14.62	16.06	16.35	16.85	間伐															
155	16.29	18.48	19.62	21.50	22.75	24.15	間伐														
156	13.71	16.89	19.70	21.80	24.25	26.40	29.70	30.05	29.70	29.70	30.65	31.15	31.95		31.65	32.55	32.00	間伐			
157	11.67	13.18	間伐																		
158	9.17	9.54	間伐																		
159	9.62	12.57	15.15	17.10	19.30	21.45	25.60	25.95	28.55	29.10	30.95	31.60	33.40	35.25	37.10	37.05	38.20	39.90	42.50	43.90	45.70
160	5.61																				
161	12.27	12.88	13.79	間伐																	
162	16.29	18.48	21.36	23.05	25.20	27.05	間伐														
163	7.58	7.35	間伐																		
164	14.24	15.68	間伐																		
165	18.79	21.51	25.22	28.55	31.50	34.00	36.65	37.85	40.00	40.70	42.30	42.45	43.55	45.40	45.30	46.60	49.00	50.00	52.50	54.30	55.95
166	13.94	15.15	間伐																		
167	14.70	16.29	17.88	間伐																	
168	11.51	12.12	間伐																		
169	14.09	16.29	19.09	21.45	24.15	26.90	30.30	31.85	35.05	36.25	38.00	38.60	間伐								
170	11.51	13.64	15.30	間伐																	
171	16.36	18.33	20.23	20.90		22.45	間伐														
172	12.12	12.88	間伐																		
173	9.62	10.07	間伐																		
174	10.68	11.82	間伐																		
175	14.54	17.12	19.24	20.75	22.80	25.05	28.65	28.80	30.75	31.25	32.90	33.20	34.35	35.65	35.70	37.25	37.35	38.50	41.00	41.95	43.00
176	13.03	15.30	17.04	18.05	19.30	20.50	21.90	23.65	24.45	24.80	25.85	26.40	間伐								
177	9.77	10.23	間伐																		
178	10.15																				
179	14.85	16.06	17.57	18.10	18.75	間伐															
180	10.30	11.36	12.57	13.10	13.75	14.20	14.65	15.10	15.40	15.25	15.50	15.50									
181	17.20	21.21	間伐																		
182	9.70																				
183	8.41																				
184	10.91	13.18	15.76	18.85	21.25	23.75	28.00	29.50	32.15	33.20	35.60	37.10	39.40	38.70	39.60	41.25	43.40	46.80	47.50	48.60	50.35
185	16.67	18.48	間伐																		
186	13.41	15.00	15.76	16.70	17.05	17.55	間伐														
187	14.77	15.60	間伐																		
188	14.24	16.97	19.16	20.85	22.55	24.00	25.70	26.35	27.80	28.25	28.55	29.00	31.25	32.40	31.80	33.30	34.70	37.00	38.00	38.85	39.70
189	13.26	15.23	17.42	18.35	20.20	間伐															
190	11.97	13.94	15.98	16.90	17.95	19.50	21.20	21.95	23.35	23.75	24.75	25.55	26.85	27.30	27.50	29.00	29.90	30.30	31.00	32.35	33.00
191	11.29	12.04	間伐																		
192	12.57	13.79	14.47	14.50	15.05	間伐															
193	14.39	16.44	17.42	18.00	18.80	19.95	21.65	22.45	23.85	24.70	25.15	25.60	26.40	27.00	26.40	27.35	28.20	間伐			
194	12.88	14.24	間伐																		
195	14.92	16.67	18.03	18.60	19.50	20.00															
196	17.88	20.38	22.57	24.00	25.45	27.35	30.80	31.25	33.50	34.10	35.60	35.85	37.00	38.80	38.40	40.30	42.00	42.70	46.00	46.15	47.25
197	8.86	9.85	間伐																		
198	16.51	17.73	19.09	19.40	19.95	20.40	間伐														
199	6.51																				
200	10.15	10.45	間伐																		
201	13.79	15.83	17.95	19.85	22.10	23.95	間伐														
202	14.39	16.13	17.73	18.55	19.65	20.35	21.35	21.55	22.35	22.25	22.90	22.85									
203	13.48	14.47	間伐																		
204	7.04	7.42	間伐																		
205	17.88	21.89	25.07	28.65	32.50	35.65	39.20	40.65	46.30	47.10	49.15	51.15	52.75	55.30	55.50	59.10	60.90	62.05	65.00	67.40	69.30
206	12.27	12.73	間伐																		
207	7.88	9.24	間伐																		
208	12.35	13.18	14.47	14.70	14.90	15.30	間伐														
209	6.89	7.88	間伐																		
210	10.00	10.61	間伐																		
211	6.97	8.33	間伐																		
212	10.07	11.36	12.57	12.90	13.40	間伐															
213	7.12																				
214	16.36	19.09	21.97	24.60	26.30	28.55	間伐														
215	13.03	13.94	間伐																		
216	6.51																				
217	11.29	12.12	間伐																		
218	14.85	18.03	20.98	23.05	25.65	27.20	間伐														
219	14.54	17.27	19.85	21.50	24.30	26.85	30.50	32.45	35.15	36.25	38.30	39.55	41.75	43.20	42.75	44.75	46.50	50.00	52.00	53.00	54.45
220	14.85	16.13	16.97	間伐																	
221	16.36	19.24	20.83	22.70	24.70	26.65	間伐														
222	11.36	12.42	間伐																		
223	5.91																				
224	12.73	14.70	16.13	17.05	17.50	18.05	間伐														
225	14.54	16.29	19.16	20.80	23.20	25.95	30.60	31.15	35.05	36.15	38.30	38.80	42.55	42.40	43.20	45.95	47.10	51.50	53.50	56.05	57.90
226	13.18	14.62	間伐																		
227	12.57	14.17	15.68	16.55	16.75	間伐															
228	12.12	12.80	13.03	間伐																	
229	6.74																				
230	15.45	19.47	23.48	27.40	31.80	36.20	39.50	45.68	49.75	52.00	55.00	55.25	56.50	58.50	59.25	63.00	64.50	69.00	70.00	72.35	73.90

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
231	9.70	10.00	間伐																		
232	14.32	15.83	間伐																		
233	13.48	14.62	15.30	15.35	15.40																
234	6.67																				
235	13.48	17.20	20.45	23.25	26.15	29.50	34.40	34.75	37.05	38.35	40.80	41.60	43.75	45.80	45.70	47.25	49.60	53.30	53.50	54.40	55.90
236	16.97	17.88	間伐																		
237	13.64	15.23	17.73	19.10	20.35	間伐															
238	11.51	13.10	14.70	15.15	16.10	16.80	17.20	19.30	18.15	18.20	18.35	18.45									
239	12.73	13.41	14.39	間伐																	
240	18.48	21.82	25.15	27.75	29.55	32.05	35.45	36.70	39.95	40.30	42.95	42.70	43.60	46.15	45.90	47.30	49.65	52.50	53.00	55.15	57.20
241	11.44	11.29	間伐																		
242	8.33	8.03	間伐																		
243	11.51	12.20	間伐																		
244	12.57	13.26	14.24	間伐																	
245	7.73	8.64	間伐																		
246	17.35	20.15	23.18	25.60	27.90	30.60	34.75	34.80	38.00	39.20	40.80	42.10									
247	15.60	16.97	間伐																		
248	14.24	16.51	19.54	21.70	24.60	27.20	30.50	32.70	34.95	35.70	37.75				44.75	47.15	48.80	57.40	60.00	65.90	60.25
249	8.71	9.01	間伐																		
250	12.73	14.01	15.60	16.65	17.75	18.60	間伐														
251	13.56	15.15	間伐																		
252	12.88	13.48	14.92	14.90	15.15	間伐															
253	7.58	7.42	間伐																		
254	15.00	17.04	19.01	20.15	21.45	22.10	23.05	24.00	24.20	23.50	24.10										
255	10.45	11.29	間伐																		
256	12.88	15.23	17.65	19.35	20.70	間伐															
257	15.15	17.88	20.68	23.00	25.30	27.90	31.50	32.40	35.20	36.65	38.40	40.00	間伐								
258	8.79																				
259	11.89	10.38	間伐																		
260	8.41																				
261	14.85	18.63	21.82	24.45	26.45	28.60	31.40	<u>32.20</u>	35.00	35.60	37.55	39.20	39.85	42.60	43.60	44.85	48.10	49.70	52.50	56.40	56.55
262	7.95																				
263	10.15	10.23	間伐																		
264	13.64	15.30	17.20	18.10	19.15	19.80	間伐														
265	13.41	16.13	20.00	21.75	23.65	24.95	27.95	29.40	30.35	30.20	32.20	32.20	31.70	32.55	33.50	34.05	34.50	36.50	37.50	38.15	39.45
266	10.68	10.76	間伐																		
267	10.00	11.36	12.42	12.25	12.15	間伐															
268	10.91	10.30	間伐																		
269	8.56	9.47	間伐																		
270	14.39	17.50	19.70	21.15	23.00	24.35	25.90	26.50	27.70	27.65	28.80	28.80	29.25	<u>29.70</u>	29.50	30.90	31.60	間伐			
271	9.54	9.17	間伐																		
272	11.51	10.91	間伐																		
273	13.64	16.59	18.94	20.45	21.90	23.05	間伐														
274	13.18	13.94	15.00	間伐																	
275	9.62	11.44	間伐																		
276	15.15	17.42	21.06	23.95	27.10	30.35	34.00	35.30	39.25	40.25	42.60	43.30	45.30	46.55	47.00	49.25	51.60	52.50	55.50		
277	9.24	9.39	間伐																		
278	13.86	15.00	間伐																		
279	17.57	20.30	24.85	27.70	30.05	32.40	37.15	36.90	40.90	41.15	42.60	44.05	47.75	48.00	47.60	47.50	49.00	51.50	51.50	55.00	54.45
280	11.67	12.42	間伐																		
281	9.01	9.54	間伐																		
282	13.33	16.51	19.01	21.05	23.25	25.25	27.90	28.75	30.90	31.55	32.30	33.05	34.80	34.30	33.00	35.40	35.60	37.50	37.50	40.00	39.55
283	11.74	14.01	17.42	19.00	<u>20.75</u>	20.95	間伐														
284	12.35	13.64	間伐																		
285	11.21	13.86	間伐																		
286	11.06	12.42	13.79	間伐																	
287	8.94	9.01	間伐																		
288	11.21	13.18		16.15	17.30	17.85	19.65	19.70	20.00	20.10	20.25	20.25	20.15	20.45	20.00	20.55	20.90	間伐			
289	12.12	13.18	間伐																		
290	14.70	17.50	19.39	20.85	22.90	24.45	26.35	26.70	28.70	28.40	29.55	<u>30.05</u>	31.45	30.75	30.10	31.35	31.60	32.30	33.50	33.25	34.45
291	12.27	14.62	15.98	17.30	18.70	19.80	21.40	21.60	22.35	22.65	23.35	23.40	23.35	23.60	23.10	23.50	23.70	間伐			
292	15.07	15.68	16.82	17.15	18.10	間伐															
293	12.80	14.62	間伐																		
294	11.36	13.10	14.62	14.90	15.80	間伐															
295	15.68	18.41	21.36	23.80	26.40	29.30	33.20	34.00	37.60	38.30	40.40	40.70	41.35	42.40	42.00	43.35	43.80	45.50	47.00	47.50	49.00
296	10.07	10.45	間伐																		
297	5.76																				
298	15.60	18.18	21.13	23.60	26.45	29.15	32.60	34.70	37.35	39.15	40.35	41.25	43.05	44.40	44.40	46.65	48.60	50.00	53.00	54.30	56.45
299	12.80	14.77	間伐																		
300	5.61																				
301	11.97	12.73	間伐																		
302	15.60	18.71	22.12	25.00	28.50	30.95	34.30	35.90	38.60	39.70	41.20	42.25	44.00	46.80	45.00	49.70	49.90	51.10	55.50	56.85	58.90
303	7.12																				
304	12.73	14.47	間伐																		
305	13.48	15.23	17.80	19.40	20.80	22.35	間伐														
306	8.79	10.53	間伐																		
307	15.30	17.80	19.85	<u>21.80</u>	23.70	25.55	27.70	28.40	31.05	32.20	34.25	35.10			36.20	37.65	40.95	間伐			
308	11.82	12.35	13.18	間伐																	
309	6.97	7.88	間伐																		
310	13.94	15.53	16.89	17.90	18.95																

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
311	13.48	14.39	間伐																		
312	15.91	17.12	18.48	19.40	20.70	間伐															
313	12.27	14.01	間伐																		
314	13.56	14.54	16.29	16.75	17.20	17.40	間伐														
315	8.86	10.38	間伐																		
316	12.27	14.70	16.36	17.80	19.70	20.50	間伐														
317	5.53																				
318	12.96	13.71	14.70	15.10	15.35	間伐															
319	10.68	10.68	間伐																		
320	14.39	15.91	17.57	17.80	18.45	18.80	18.70	19.40	19.80	19.25	19.80	19.80									
321	13.86																				
322	12.80	15.53	18.10	19.70	21.30	22.70	25.15	25.75	27.35	27.35	28.10	28.20	29.60	30.50	30.10	31.15	31.80	間伐			
323	9.70	9.85	間伐																		
324	11.14	12.42	間伐																		
325	12.80	14.70	16.82	18.00	19.25	間伐															
326	17.12	19.70	21.29	22.10	23.75	間伐															
327	13.94	14.39	間伐																		
328	12.57	15.23	16.74	間伐																	
329	19.92	24.54	27.57	<u>31.51</u>	36.35	37.25	<u>42.65</u>	<u>45.20</u>	45.60	46.55	47.25	47.85	間伐								
330	13.48	14.77	間伐																		
331	12.88	14.85	16.36	17.55	18.55	19.75	間伐														
332	13.26	14.32	間伐																		
333	13.03	14.24	15.45	16.10	16.65	間伐															
334	9.62	10.61	間伐																		
335	9.09	9.92	10.91	10.85	11.15	間伐															
336	13.64	16.06	間伐																		
337	15.60	18.56	21.13	23.65	25.30	27.25	30.70	31.85	35.00	36.65	38.40	40.00	42.35	43.25	44.40	46.70	47.90	50.25	53.00	53.25	55.85
338	16.51	19.54	20.76	21.65	23.25	24.10	間伐														
339	8.18	8.94	間伐																		
340	6.59																				
341	14.09	18.86	22.80	25.35	28.50	31.40	37.30	37.55	37.85	38.35	40.75	41.40	38.80	40.55	39.00	41.75	41.90	45.10	48.00	49.80	50.85
342	10.45	11.59	間伐																		
343	7.58	8.11	間伐																		
344	14.09	16.67	19.62	22.00	25.10	28.05	31.40	32.70	35.35	35.55	36.90	37.10	36.40	37.05	34.70	35.65	35.70	間伐			
345	13.41	14.85	間伐																		
346	7.35	8.18	間伐																		
347	12.80	15.07	16.67	17.50	18.50	19.00	19.70	19.80	20.25	20.05	20.55	20.55	20.45	20.20	19.20	20.60	19.60	間伐			
348	11.67	12.65	13.79	14.35	14.65	間伐															
349	9.85	11.21	間伐																		
350	13.33	15.45	間伐																		
351	11.44	12.35	14.09	間伐																	
352	16.89	19.24	21.97	25.30	28.45	31.45	35.40	36.80	40.90	<u>42.35</u>	45.50	47.20	48.10	52.20	53.30	58.90	59.65	63.40	68.00	72.00	72.65
353	11.36	12.12	間伐																		
354	18.94	20.98	23.33	26.10	27.85	29.70	33.10	33.65	34.70	35.10	36.05	37.00	37.90	37.45	37.50	39.15	39.55	39.90	42.00	42.15	42.90
355	15.91	18.48	20.30	21.80	23.55	24.85	間伐														
356	12.57	13.33	間伐																		
357	10.76	10.91	間伐																		
358	18.18	21.82	24.24	25.40	26.65	27.40	28.30	28.85	29.05	29.65	29.25	29.25									
359	15.60	18.63	19.92	20.80	21.85	22.55		23.05	23.65		24.05	24.05									
360	10.07	10.76	間伐																		
361	16.51	21.51	25.53	28.35	31.25	34.40	37.55	39.30	42.70	44.25	46.20	47.05	47.40	50.40	51.20	53.90	56.90	58.90	61.00	61.35	64.10
362	15.30	17.35	19.24	20.20	21.35	間伐															
363	13.79	16.29	間伐																		
364	8.48	8.64	間伐																		
365	8.11	10.38	間伐																		
366	12.50	13.64	15.23	15.05	15.40	間伐															
367	13.03	16.67	18.79	<u>19.85</u>	21.20	21.55	21.80	21.90	21.60	21.30	21.75										
368	10.76	11.59	間伐																		
369	14.39	17.73	20.76	23.15	25.25	27.60	30.45	30.90	33.20	33.75	34.70	35.50	36.65	37.25	37.10	38.60					
370	14.24	17.65	20.45	22.60	24.70	26.45	間伐														
371	14.70	16.59	間伐																		
372	16.51	18.33	20.76	23.05	25.25	28.50	32.15	33.50	36.35	36.40	37.70	38.80	40.15	41.00	40.90	42.15	44.15	46.00	46.50	47.25	48.90
373	7.20																				
374	8.33	8.18	間伐																		
375	8.03																				
376	9.32	9.09	間伐																		
377	21.51	23.18	間伐																		
378	17.88	21.21	23.41	26.15	28.40	30.80	34.15	35.20	37.95	38.60	40.40	41.40	43.50	44.35	44.60	46.00	47.60	48.70	51.50	52.35	53.40
379	16.36	18.18	20.00	20.95	21.80	22.45	間伐														
380	18.48	22.50	25.60	28.45	31.10	33.50	37.00	37.75	41.20	42.25	43.85	45.00	44.50	46.90	46.00	48.35	49.50	50.30	54.50	54.25	55.65
381	14.62	15.23	間伐																		
382	13.33	15.83	18.33	19.80	21.70	23.10	24.75	25.40	<u>26.30</u>	26.55	26.70	27.00	27.10	26.75	27.30	27.10	27.30	間伐			
383	11.82	11.97	間伐																		
384	14.17	15.45	17.27	18.10	19.60	20.55	21.50	22.30	22.45	22.30	23.00	23.00									
385	10.76	11.14	間伐																		
386	12.88	14.17	15.45	16.10	16.75	17.15	間伐														
387	11.21	12.27	間伐																		
388	21.51	24.09	28.18	<u>31.83</u>	33.75	36.00	38.50	<u>44.88</u>	43.95	44.05	45.75	47.10	49.50	52.40	47.40	48.75	51.80	53.20	57.00	57.85	60.20
389	11.36	14.47	間伐																		
390	12.42																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	郷台1号																					
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105	
391	15.91	19.24	21.44	23.90	25.90	27.65	間伐															
392	16.13	19.47	21.51	23.30	24.90	26.30	29.35	30.45	32.25	32.60	33.80	34.30	35.25	35.55	35.90	37.35	38.50	38.10	40.00	41.00	41.30	
393	18.94	20.38	22.57	23.75	25.90	26.30	間伐															
394	11.74	12.20	間伐																			
395	17.27	18.48	20.00	20.30	20.65	間伐																
396	12.73	14.70	間伐																			
397	10.30	12.04	14.17	15.95	17.35	18.80	21.55	22.15	23.40	24.05	25.10	25.65	28.95	30.00	30.30	32.65	32.40	間伐				
398	13.10	14.85	間伐																			
399	15.30	16.51	17.42	17.60	18.00	間伐													42.00	43.20	44.15	
400	11.67	14.70	17.57	19.90	22.10	24.20	28.50	29.15	31.75	32.75	34.60	35.95	37.55	38.65	38.40	39.95	41.25	43.80	45.00	46.25	47.90	
401	12.15	14.17	間伐																			
402	14.32	16.44	18.18	18.75	17.85	間伐																
403	11.21	12.42	間伐																			
404	8.64	10.15	11.67	間伐																		
405	7.88	9.39	間伐																			
406	12.50	13.64	間伐																			
407	8.56	10.45	13.03	15.20	16.65	18.15	20.55	21.15	22.55	22.70	23.40	24.00	間伐									
408	8.94	8.94	間伐																			
409	12.12	13.71	間伐																			
410	9.85	10.76	11.51	間伐																		
411	15.38	17.35	18.79	19.65	21.35	間伐																
412	12.57	15.00	間伐																			
413	9.92	10.91	12.12	間伐																		
414	11.67	12.88	間伐																			
415	7.73																					
416	17.42	19.77	22.73	25.45	27.80	30.10	33.85	34.85	37.55	38.25	40.75	40.75	41.70	41.65	40.50	41.90	42.75	44.00	44.50	44.10	44.40	
417	17.73	20.15	間伐																			
418	15.76	17.20	18.26	18.60	19.25	間伐																
419	12.88	15.38	17.73	19.50	21.45	23.40	25.40	26.25	27.25	27.60	28.15	28.25	28.35	29.10	28.20	29.00	29.50	間伐				
420	16.36	18.26	間伐																			
421	15.45	16.36	17.42	17.85	18.25	間伐																
422	10.61	11.82	間伐																			
423	15.15	19.16	23.26	26.50	29.25	31.60	35.30	35.55	37.65	38.10	39.65	40.85	40.80	42.00	42.65	44.85	46.70	48.00	51.00	52.90	53.55	
424	11.51	12.73	間伐																			
425	12.12	14.70	17.65	20.75	23.45	25.65	28.60	29.25	31.70	32.60	34.10	35.10	間伐									
426	15.23	16.67	17.88	17.95	18.65	18.70																
427	14.70	16.51	間伐																			
428	12.73	14.01	間伐																			
429	12.80	17.27	21.29		28.55	31.20	35.65	37.25	39.90		43.30	43.75	47.45	50.80	52.60	57.50	59.85	64.40	64.50			
430	18.48	20.15	間伐																			
431	9.70	11.82	14.70	17.30	19.35	21.00	22.90	23.70	25.90	26.35	27.40			30.55	31.20	32.30	34.65	間伐				
432	11.29	12.35	間伐																			
433	9.17																					
434	16.59	18.10	19.70	21.65	23.40	25.00	26.55	26.85	28.15	28.30	29.30		30.45	32.20	32.30	33.70	35.40	37.35	40.00			
435	11.89	13.18	15.60	間伐																		
436	12.88	13.26	間伐																			
437	20.45	24.77	間伐																			
438	13.41	14.92	16.59	18.05	19.90	21.10	22.30	22.70	23.25	23.15	23.55	24.10	23.30	23.70	23.20	23.75	23.75	間伐				
439	9.92																					
440	10.07	10.61	11.51	間伐																		
441	14.85	16.74	18.79	20.60	22.50	23.85	25.65	26.15	27.55	27.80	28.55	29.00	29.10	30.60	30.30	31.05	32.80	33.45	34.00	35.40	35.45	
442	13.71	14.24	間伐																			
443	11.97	12.57	13.48	間伐																		
444	13.41	15.60	17.42	18.90	19.95	20.75	間伐															
445	11.89	12.57	間伐																			
446	12.12	15.15	17.65	19.40	21.45	23.55	26.75	27.65	30.05	30.40	31.15	31.70	32.35	32.75		33.50	34.30	35.40	36.00	36.80	40.90	
447	14.54	17.73	間伐																			
448	10.15	11.97	13.71	間伐																		
449	14.54	16.51	18.63	20.20	21.50	22.60	24.75	26.05	28.50	28.40	29.50	30.00	30.85	29.45	29.40	30.50	30.50	間伐				
450	10.91																					
451	14.70	17.88	21.13	23.45	25.50	27.75	31.30	32.40	34.90	35.35	39.50	39.50	40.05	41.20	41.30	43.10	45.25	48.00	50.00	51.60	52.80	
452	16.51	17.95	間伐																			
453	15.15	17.95	20.98	23.75	26.90	29.75	34.95	36.70	39.30	41.10	43.50	45.95	46.50	50.80	50.70	53.00	55.80	59.40	61.50	63.20	61.00	
454	13.03	13.71	間伐																			
455	14.70	16.97	18.03	19.45	21.20	22.50	間伐															
456	17.27	19.16	22.42	24.50	26.60	28.40	31.40	32.25	33.80	34.30	35.40	36.75	40.15	41.10	40.70	43.10	45.00	45.85	48.50	50.25	53.50	
457	13.79	14.24	間伐																			
458	12.73	14.92	15.60	間伐																		
459	16.06	16.82	17.95	18.70	19.75	間伐																
460	13.10	14.47	間伐																			
461	8.33	8.11	間伐																			
462	15.60	17.20	16.97	19.20	19.60	間伐																
463	14.09	15.91	間伐																			
464	11.29	12.27	13.26	13.85	14.20	14.30	間伐															

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
471	11.06	12.12	間伐																		
472	8.94	8.71	間伐																		
473	15.30	17.73	19.01	20.40	22.05	23.30	間伐														
474	15.07	16.67	18.41	19.35	20.30	21.00	間伐														
475	11.82	12.88	13.94	間伐																	
476	13.94	14.77	間伐																		
477	14.85	15.30	間伐																		
478	17.73	21.97	24.85	27.40	29.90	32.60	35.65	37.15	40.35	41.20	43.45	44.20	45.15	46.80	47.20	49.10	51.10	52.00	55.50	55.50	57.20
479	10.61	10.98	間伐																		
480	8.64	10.30	間伐																		
481	5.32																				
482	13.64	15.15	16.89	17.05	17.20	間伐															
483	7.27	7.88	間伐																		
484	15.98	18.18	間伐																		
485	15.15	16.51	17.65	18.80	20.45	20.45	21.40	21.75	22.50	22.60	22.65	23.00	間伐								
486	10.61	10.98	11.82	間伐																	
487	11.21	11.51	間伐																		
488	19.70	22.73	25.07	27.20	29.75	31.25	34.60	34.75	36.40	37.85	38.85	40.40	42.90	42.55	43.30	43.65					
489	11.67	12.20	間伐																		
490	12.95	14.24	間伐																		
491	13.41	15.15	17.50	18.30	19.55	20.90	間伐														
492	13.79	15.38	17.12	17.45	18.40	18.90	19.35	19.75	20.20	20.15	20.35	20.35	21.40	20.65	20.60	21.60	21.90	間伐			
493	14.24	15.45	間伐																		
494	19.09	21.44	23.79	26.05	27.95	29.80	32.70	34.15	37.10	37.75	39.75	40.70	42.65	44.45	42.10	44.80	45.10	48.85	49.50	51.60	52.65
495	10.15	12.42	15.45	17.10	19.35	19.80	間伐														
496	15.38	15.30	間伐																		
497	14.62	15.83	間伐																		
498	10.45	12.27	14.17	15.35	17.00	18.65	20.30	21.40	24.70	25.40	25.10	26.60	27.35	27.90	27.40	28.75	29.25	間伐			
499	16.06	17.57	19.39	20.85	22.20	23.70	26.95	27.90	30.90	32.15				37.40	38.80	43.70	42.25	43.55	49.50		
500	13.33	14.39	16.36	17.40	18.85	20.30	間伐														
501	10.45	10.38	間伐																		
502	14.17	17.27	間伐																		
503	7.95	8.94	間伐																		
504	10.00	10.76	11.82	12.05	12.40	間伐															
505	16.06	18.48	21.21	23.00	25.45	28.00	31.05	32.15	35.00	36.10	37.50	38.80	39.60	40.10	41.30	43.00	44.20	46.15			
506	16.29	18.18	18.86	20.55	21.60	間伐															
507	11.67	12.88	14.24	間伐																	
508	6.21																				
509	5.91																				
510	15.76	17.73	20.00	20.75	21.80	22.70	間伐														
511	14.39	17.12	19.70	20.70	22.25	23.80	25.55	26.70	27.75	28.10	28.55	28.80	29.40	29.25	29.40	30.20	30.40	間伐			
512	10.68	11.82	13.10	間伐																	
513	10.91	11.21	間伐																		
514	16.82	19.09	21.51	22.95	24.95	26.50	29.15	29.80	31.30	31.55	32.25	32.60	32.70	33.00	32.50	33.65	34.70	34.80	35.00	37.10	36.15
515	6.14	6.29	間伐																		
516	15.00	16.89	18.56	19.25	20.30	21.10	22.10	22.45	23.40	23.60	24.05	24.10	24.45	25.00	24.50	25.15	25.45	間伐			
517	12.73	14.01	15.15	間伐																	
518	12.42	12.95	間伐																		
519	15.45	16.74	17.65	18.30	19.10	間伐															
520	17.12	20.30	22.27	24.55	26.55	28.45	31.65	33.00	35.20	36.15	37.75	39.65	42.00	42.75	43.60	45.95	47.50	48.70	52.00	55.50	57.15
521	14.32	16.74	18.94	20.90	23.15	25.10	間伐														
522	11.29	11.74	間伐																		
523	11.74	13.26	14.77	15.35	16.35	17.55	19.20	20.15	20.80	20.80	21.50	22.00	間伐								
524	13.33	14.09	間伐																		
525	15.15	17.95	20.38	22.10	24.30	27.00	30.00	32.15	34.45	34.80	37.40	38.95	42.90	44.90	46.20	47.80	51.20	54.80	58.50	60.80	63.40
526	11.97	13.48	15.07	16.05	16.65	間伐															
527	7.88	8.03	間伐																		
528	14.47	16.21	17.88	18.75	20.10	21.25	23.15	23.70	24.65	24.80	25.85	26.45	26.85	27.75	27.40	28.40	29.80	間伐			
529	13.33	14.39	間伐																		
530	13.41	14.47	15.68	16.95	18.00	間伐															
531	14.39	17.73	20.15	21.85	24.00	25.70	間伐														
532	11.67	13.79	間伐																		
533	13.79	17.50	20.45	22.45	25.00	27.25	31.00	31.60	32.90	34.25	35.25	36.25	38.45	38.60	37.30	38.80	39.95	43.20	43.00	44.90	46.10
534	13.79	15.30	間伐																		
535	15.00	16.21	間伐																		
536	16.51	17.57	19.16	19.95	21.15	22.10	24.10	24.35	26.05	26.60	27.10	29.75	30.80	32.20	32.70	33.50	35.50	間伐			
537	15.83	17.73	間伐																		
538	13.56	14.70	16.06	16.60	17.15	17.50	間伐														
539	18.63	21.82	24.62	26.95	29.90	32.60	36.75	38.40	42.35	44.15	46.25	48.10	51.15	54.65	55.60	58.80	61.30	65.40			
540	16.74																				
541	14.85	17.27	19.32	20.35	22.35	24.10	26.05	27.05	28.15	28.20	28.85	28.55	31.20	33.05	33.50	35.20	36.50	39.50			
542																				51.20	
543																				53.10	
544																				41.50	
545																				68.00	



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高 (m)

郷台1号 スギ 面積 0.142 ha 1905 年植栽

年度	1916	1921	1925	1930	1935	1940	1948	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
林齢	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
備考	既公表	既公表 雪害	既公表 間伐	既公表 間伐	既公表	既公表 間伐		既公表	既公表	既公表	既公表	既公表	既公表 間伐	既公表		既公表	既公表	既公表 間伐			
	記録無										記録無										
立木No. 1																					
2																					
3																					
4	8.4	10.4	12.2	13.7	14.8	15.5		18.1	19.7	21.9	19.2	23.1	20.4	21.5		22.2	21.4	24.9	27.0	26.3	27.3
5																					
6																					
7																					
8																					
9	9.2	11.4	11.8	13.8	14.7	14.9		16.2	19.7	23.2	19.5	24.5	22.2	24.0		25.1	29.1	26.7	26.7	27.5	28.7
10																					
11																				25.9	26.6
12																					
13																					
14	8.7	10.3	11.3	12.5	13.4	14.8		16.8	20.7	22.1	17.1	22.0	19.5	22.6		24.3	26.7	26.4	27.1	25.1	25.2
15																					
16																					
17																					
18																					
19																					
20																				29.1	29.8
21																					
22																				28.9	30.3
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
32																				29.4	30.2
33																					
34																					
35	10.1	12.2	13.2	15.3	16.3	17.4		19.6	22.4	21.9	21.1	23.9									
36																					
37																					
38																					
39													20.1	20.5		22.1	24.0				
40																					
41																					
42																					
43																					
44																					
45																					
46																					
47																					
48																				28.1	31.5
49																					
50																					
51																					
52																		27.8	28.4	27.6	28.8
53																					
54																					
55																					
56										18.3	17.5										
57																					
58																					
59																					
60																					
61																					
62																					
63	10.2	12.4	13.1	15.8	16.8	17.4		20.5	22.1	22.6	23.5	26.4	27.0	26.3		24.7	27.0	28.9	29.6		
64																					
65																					
66																					
67																					
68										18.8	18.9	20.8	20.4	21.6		24.3	24.4				
69																					
70																					

東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	郷台1号																					
	林齡	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
71																						
72																						
73																						
74																						
75																						
76																						
77																				25.5	26.1	
78																						
79													28.4	31.6			31.7	31.1	33.0	33.0	33.3	35.1
80																						
81																						
82																						
83																						
84																						
85	10.1	12.0	13.2	15.0	16.7	17.8			20.4	21.8	21.6	22.6	29.7	24.6	24.0		27.2	30.8	27.1	28.1	28.9	29.4
86																						
87																						
88																				25.6	27.8	
89																						
90																						
91																						
92																						
93																						
94																						
95																						
96																						
97																						
98																						
99																						
100																				28.7	29.2	
101																						
102														27.7	28.4		30.6	36.6	32.4	33.3	33.5	34.4
103																						
104																						
105																						
106																						
107																						
108													17.5									
109	8.9	10.6																				
110																						
111																						
112																				28.7	30.7	
113																						
114																						
115																						
116																						
117																						
118																						
119																						
120																						
121																						
122																						
123																						
124																						
125																						
126																						
127																				27.7	30.2	
128																						
129																						
130																						
131																						
132																						
133																						
134																						
135																						
136	10.7	13.4	14.9	16.3	17.4	18.3			19.4	22.1	22.6	22.5	24.8	23.8	25.2		26.2	28.4	27.2	27.9	28.4	28.5
137																						
138																						
139																						
140																						
141																						
142						15.7			23.6	18.8	20.1	20.2	21.5	21.1	23.1		24.8	26.5	27.1	27.4	27.4	29.6
143																						
144																						
145																						
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148																						
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150																						

當山啓介ら

[illegible]

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	郷台1号																																			
林齢	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105															
231																																				
232																																				
233																																				
234																																				
235																						25.1	28.4	28.2	27.8		29.0	33.3	33.8	30.8	33.2	32.8				
236																																				
237																																				
238																																				
239																																				
240																						11.9	14.1	15.2	18.4	20.0	21.0		25.2	27.8	28.1	28.9	30.0	28.2	31.0	
241																																				
242																																				
243																																				
244																																				
245																																				
246																																				
247																																				
248																						29.1	30.6													
249																																				
250																																				
251																																				
252																																				
253																																				
254																						18.0	17.7													
255																						9.4	11.1													
256																																				
257																																				
258																																				
259																																				
260																																				
261	35.7	35.9																																		
262																																				
263																																				
264																																				
265																						17.0	18.6	21.0	20.8	22.4	27.7	22.5	25.5		24.6	19.5	26.7	26.2	26.7	27.9
266																																				
267																																				
268																																				
269																																				
270																						17.6	20.3	22.5	20.8	22.8	26.6	25.5	25.9		26.2	27.0				
271																																				
272																																				
273																																				
274																																				
275																																				
276																																				
277																																				
278																																				
279																						32.9	33.2													
280																																				
281																																				
282	18.1	21.7	22.7	23.1	24.8		25.0	27.3		26.7	33.0	31.9	29.7	30.3	31.6																					
283																																				
284																																				
285																																				
286																																				
287																																				
288																																				
289																																				
290	17.6	20.1	22.4	25.4	23.0	29.1	26.7	25.3		25.6	27.5	29.7	27.9	29.1	30.2																					
291																																				
292																																				
293																																				
294																																				
295																						32.7	33.0													
296																																				
297																																				
298																						33.4	34.8													
299																																				
300																																				
301																																				
302																						26.5	31.5		31.1	31.3	31.4	32.9	36.1	34.5						
303																																				
304																																				
305																						9.0	11.8	12.6	13.5	14.2										
306																																				
307																						17.1	23.1	21.5	21.7	20.7	27.6	25.7	24.7		25.3	26.8				
308																																				
309																																				
310																																				

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	林齡	郷台1号																				
	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105	
	311																					
	312																					
	313	9.9	12.5																			
	314																					
	315																					
	316																					
	317																					
	318																					
	319																					
	320																					
	321																					
	322																					
	323																					
	324																					
	325																					
	326																					
	327																					
	328																					
	329																					
	330																					
	331																					
	332																					
	333																					
	334																					
	335																					
	336																					
	337																			32.0	32.2	
	338																					
	339																					
	340	6.5																				
	341									21.9	25.2									29.1	23.6	
	342																					
	343																					
	344																					
	345																					
	346																					
	347																					
	348	9.2	11.1	12.9	14.1																	
	349																					
	350																					
	351																					
	352																			47.1	33.5	
	353																					
	354												24.5	25.8		25.4	27.5	24.4	25.2	25.0	28.8	
	355																					
	356																					
	357																					
	358																					
	359																					
	360	9.9	12.2																			
	361																			32.6	35.2	
	362																					
	363																					
	364																					
	365																					
	366																					
	367																					
	368																					
	369																					
	370																					
	371																					
	372												29.7	29.0		29.3	34.0	32.1	32.8	32.9	34.2	
	373																					
	374																					
	375																					
	376																					
	377																					
	378																			29.6	32.2	
	379																					
	380																			33.1	32.9	
	381																					
	382	10.5	12.6	14.1	16.3					23.7	22.8		23.0	25.3		25.5	26.5					
	383																					
	384																					
	385																					
	386																					
	387																					
	388																			29.2	30.3	
	389																					
	390																					

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	林齡	郷台1号	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
391																							
392																						23.2	27.7
393																							
394																							
395																							
396																							
397																							
398																							
399																						31.6	34.7
400								18.2		21.6	23.1	23.6	25.9	24.1	25.4	27.6		27.1	32.0	30.0	30.2	30.6	32.8
401		9.6	12.9																				
402																							
403																							
404																							
405																							
406																							
407																							
408																							
409																							
410																							
411																							
412																							
413																							
414																							
415																							
416															26.8	27.4		27.4	31.0	29.3	30.3	28.8	31.1
417																							
418																							
419																							
420																							
421																							
422																							
423		9.8	10.4	12.6	14.6																	22.1	30.0
424																							
425								16.8		21.0	23.4	23.2	24.7	25.8									
426																							
427																							
428																							
429																							
430																							
431																							
432																							
433																							
434								17.0		21.3	22.0	21.5	18.4	25.5	21.2	23.9		26.1	27.1	25.7	25.6		
435																							
436																							
437																							
438																							
439																							
440		10.1	10.9	11.4																			
441																						28.2	29.1
442																							
443																							
444																							
445																							
446																						28.5	28.4
447																							
448			9.9	10.6																			
449																							
450																							
451																						34.9	35.4
452																							
453															30.1	31.9		32.2	32.0	33.8	34.4	36.0	36.0
454																							
455																							
456		12.2	14.8	16.7	17.8																	31.8	34.0
457																							
458																							
459																							
460																							
461																							
462																							
463																							
464																							
465																						26.2	28.8
466																						24.3	28.7
467																							
468																							
469																							
470																						22.5	26.3

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	林齢	郷台1号	11	16	20	25	30	35	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
471																							
472																							
473																							
474																							
475																							
476																							
477																							
478									22.2	<u>24.6</u>	25.4	25.6	26.6	26.3	27.9			29.4	33.0	30.5	31.3	30.5	33.7
479																							
480																							
481																							
482																							
483																							
484																							
485																							
486		10.1	11.7	12.1																			
487																							
488														23.5	24.8			22.6					
489																							
490																							
491		11.1	13.3	13.9	15.9																		
492																							
493																							
494																						24.9	30.5
495																							
496																							
497																							
498		9.7	11.2	11.7	12.5																		
499																							
500																							
501																							
502																							
503																							
504																							
505																							
506																							
507		9.8	10.7	11.2																			
508																							
509																							
510																							
511																							
512																							
513																							
514																						26.5	29.6
515																							
516																							
517																							
518																							
519																							
520																						27.8	32.6
521																							
522																							
523											16.1	16.2											
524																							
525																						28.8	32.6
526																							
527																							
528																							
529																							
530																							
531																							
532																							
533																						26.3	29.4
534																							
535																							
536																							
537																							
538																							
539																							
540																							
541																							
542																						27.9	27.9
543																						31.8	31.8
544																						26.3	26.3
545																						31.3	31.3

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径 (cm)

郷台2号 スギ 面積 0.0339 ha 1902 年植栽

年度 林齢 備考	1916	1921	1925	1930	1935	1940	1945	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	14	19	23	28	33	38	43	48	55	58	63	68	73	78	81	83	89	94	98	104	108
	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表			
			間伐	間伐		間伐	間伐														
	微修正															紙野帳			cm単		
																非現存			位測定		
立木No. 1	10.91	12.42	13.18	13.05	12.65	間伐															
2	13.33	15.45	16.13	16.50	16.95	17.25												33.40	35.00	35.65	36.60
3	10.30	9.85	間伐																		
4	15.00	18.56	21.51	24.00	27.05	30.30	33.35	35.80	38.70	39.65	42.20	42.90	43.90	45.50	45.60	46.95	47.85	48.50	51.00	51.60	52.95
5	6.06	6.74	間伐																		
6	12.20	13.10	14.09	間伐																	
7	11.51	13.41	14.85	15.80	16.30	間伐															
8		10.07	間伐																		
9	16.67	19.85	22.27	25.25	28.00	31.60	34.75	36.80	39.50	40.70	43.45	44.30	45.40	46.70	47.40	49.30	50.50	52.70	54.00	55.25	57.50
10	10.61	9.77	間伐																		
11	16.06	18.41	20.30	21.65	22.90																
12	15.38	17.57	19.09	20.25	21.60	22.35	24.60	26.05	27.50	28.30	29.55	29.80	30.00	30.90	31.30	32.20	32.80				
13	13.18	15.38	17.20	18.55	20.00	21.15	21.95	22.20	22.60	22.40	23.05	22.65	22.60								
14	13.10	13.10	間伐																		
15	15.38	19.62	22.80	24.85	28.35	31.45	34.45	36.65	40.70	41.75	45.65	46.55	48.90	51.65	52.90	54.60	56.50	60.30	61.50	62.60	64.55
16	6.29	7.35	間伐																		
17	14.77	17.35	19.47	20.40	21.95	23.35	間伐														
18	5.00	6.89	間伐																		
19	16.51	20.45	23.48	25.75	28.30	30.55	33.10	35.30	37.60	38.20	39.05	39.55	39.75	41.25	41.55	42.10	43.00	43.90	45.00	46.10	46.50
20	14.92	17.35	18.33	18.65	19.05	間伐															
21	8.86	8.71	間伐																		
22	11.74	13.18	13.94	14.25	14.95	15.60	16.45	18.15	18.30	18.20	18.80	18.80	18.50	18.50	18.20	18.50	18.45	18.60	19.50	19.75	19.50
23	11.36	12.80	13.94	間伐																	
24	9.85	10.76	間伐																		
25	11.97	13.18	14.17	14.20	14.25	間伐															
26	10.30	10.53	間伐																		
27	12.73	14.17	15.23	15.45	15.75																
28	16.13		21.89	24.15	25.85	27.15	28.55	30.40	32.70	33.15	35.55	35.80	34.65	34.80	34.30	34.75	34.90				
29	7.12	8.18	間伐																		
30	4.85	4.70	間伐																		
31	10.15	10.91	間伐																		
32	13.33	15.91	18.03	19.30	20.50																
33	12.12	12.88	間伐																		
34	13.18	14.77	16.36	17.20	17.25	17.85	19.55	19.75	19.30	19.30	19.65	19.90	19.70	16.20							
35	12.04	14.01	15.07	15.65	16.25	間伐															
36	11.21	12.65	14.01	14.25	14.60	14.95	15.55	16.60	16.75	16.30	18.65										
37	13.41	15.15	16.74	17.75	19.50	20.80	間伐														
38	13.94	15.76	16.36	17.30	18.00	18.85	19.80	21.25	21.65	21.35	22.15	22.40	22.00	21.70	21.65	21.50					
39	11.67	13.56	14.70	15.50	16.20	16.95	18.30	19.50	20.80	22.60	21.90	21.95	22.25	23.20	23.25	23.35	23.60	24.40	25.50	26.15	26.70
40	12.27	14.32	15.76	16.05	16.85	17.70	間伐														
41	10.38	13.10	15.98	18.75	21.40	23.85	間伐														
42	14.47	18.48	23.26	26.05	30.00	32.90	36.80	39.15	43.75	45.60	49.15	51.60	53.45	56.10	57.00	59.50	60.10	61.60	64.50	67.00	68.55
43	11.21	13.03	間伐																		
44	11.67	13.33	14.47	14.95	15.00	間伐															
45	6.14	7.73	間伐																		
46	13.33	16.21	17.80	18.95	20.55	22.05	24.00	25.90	28.00	28.15	29.80	29.85	29.85	29.90	29.90	30.65	30.70	30.90	32.00	31.90	32.00
47	15.23	16.97	19.62	20.35	21.05	21.95	間伐														
48	15.00	18.48	21.06	23.20	25.20	27.70	30.00	31.85	35.20	36.15	38.35	38.90	39.35	40.85	41.60	42.40	42.90	45.20	45.50	45.95	47.05
49	13.94	16.29	17.35	18.35	19.40	20.20	20.90	21.95	22.80	22.75	23.10	23.10	22.60	22.70							
50	7.20	7.50	間伐																		
51	8.33	8.33	間伐																		
52	6.21	7.35	間伐																		
53	9.39	9.24	間伐																		
54	15.98	18.10	19.62	20.00	20.65	21.00	間伐														
55	10.91	12.42	13.71	間伐																	
56	11.51	15.00	17.27	19.50	22.30	25.15	27.70	30.00	33.10	35.10	35.75	36.70	37.10	43.60	38.40	39.70	39.65	40.00	42.00	42.20	42.95
57	4.85	5.45	間伐																		
58	11.89	14.39	15.68	16.10	17.00	17.65	間伐														
59	8.64	8.64	間伐																		
60	10.45	11.21	12.20	12.50	12.90	間伐															
61	9.09	9.09	間伐																		
62	14.70	17.12	20.00	22.40	24.75	27.10	間伐														
63	14.77	18.33	21.97	24.65	27.30	30.15	33.45	36.85	40.65	42.70	45.40	46.65	47.90	50.05	51.15	53.60	53.30	55.25	58.00	58.95	62.40
64	5.00	5.53	間伐																		
65	11.51	13.64	14.92	15.75	15.95	間伐															
66	15.38	17.04	17.95	18.50	18.50	間伐															
67	10.91	12.20	13.48	間伐																	
68	7.58	7.65	間伐																		
69	12.27	13.26	14.09	14.10	14.25	間伐															
70	15.30	17.80	19.24	20.00	20.80	21.20	間伐														



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	郷台2号																				
	14	19	23	28	33	38	43	48	55	58	63	68	73	78	81	83	89	94	98	104	108
71	4.70	4.55	間伐																		
72	12.88	14.39	15.76	16.20	16.70	17.30	17.70	18.40	18.75	18.70	19.10										
73	11.29	13.26	14.77	15.10	15.75	間伐															
74	14.17	13.79	17.27	18.20	19.50																
75	12.73	14.24	15.60	16.05	17.15																
76	13.33	14.17	16.67	17.40	18.15	間伐															
77	14.17	17.35	20.30	22.75	26.10	29.70	33.45	36.35	41.50	42.85	44.85	45.45	45.20	46.60	46.00	46.85	46.60	47.50	48.50	48.70	49.45
78	13.64	16.67	20.30	22.30	24.70	27.05	29.95	33.20	35.90	37.70	39.25	40.45	41.25	44.15	43.80	45.20	46.70	50.20	50.50	51.35	53.65
79	5.76	5.91	間伐																		
80	11.21	12.20	13.64	間伐																	
81	10.38	11.36	12.27	12.50	12.60	間伐															
82	12.27	13.41	間伐																		
83	13.79	17.42	20.76	23.45	26.05	28.40	31.05	34.40	37.70	38.85	41.55	43.10	43.90	46.55	47.80	49.15	51.65	53.60	57.00	58.90	61.30
84	12.20	11.97	間伐																		
85	10.91	11.82	13.03	間伐																	
86	12.12	14.32	15.91	16.60	17.35																
87	4.55	4.39	間伐																		
88	11.51	14.09	16.67	18.50	20.35																
89	8.64	10.07	11.51	11.95	12.65	間伐															
90	3.94	4.47	間伐																		
91	16.36	19.62	23.18	25.40	28.55	30.40	間伐														
92	11.67	12.95	14.01	間伐																	
93	12.88	14.47	15.83	17.00	17.80	18.85	19.90	20.75	21.85	21.85	22.65	22.65	22.60	22.15	22.10	22.70	22.50	23.20			
94	16.29	21.59	25.15	28.15	31.60	35.30	38.60	41.15	47.40	49.60	53.65	55.30	57.50	60.00	61.80	65.00	65.10	71.00	71.50	72.95	75.60
95	11.29	13.79	16.36	17.50	18.40	18.90	間伐														
96	10.38	11.36	間伐																		
97	10.91	12.42	14.17	15.00	15.65	間伐															
98	12.95	16.06	18.56	20.60	22.90	23.40	間伐														
99	15.38	17.27	18.26	17.95	18.40	間伐															
100	14.01	18.94	21.89	23.70	26.15	28.70	31.40	33.45	37.25	38.25	41.75	43.70	46.90	49.80	53.20	52.80	57.10	59.80	65.50	65.45	68.95

當山啓介ら

郷台2号 スギ 面積 0.0339 ha 1902 年植栽

[illegible]

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	郷台2号																				
	14	19	23	28	33	38	43	48	55	58	63	68	73	78	81	83	89	94	98	104	108
71																					
72							16.3	17.9	17.8	20.6	17.0										
73																					
74																					
75	10.2	12.6	12.8	14.9	16.2																
76																					
77													29.1	28.5		29.3	28.8	31.8	33.5	35.1	35.3
78							20.9	24.9	24.9	28.3		27.2	27.8	<u>29.6</u>		29.2	22.8	32.5	33.4	33.8	34.6
79																					
80																					
81	8.6	10.3	10.6	11.7	12.8																
82																					
83											27.8		26.4	<u>33.7</u>		31.1	32.7	32.1	34.1	33.8	35.0
84																					
85	9.2	10.9	11.7																		
86																					
87																					
88																					
89																					
90																					
91																					
92																					
93													22.8	<u>22.8</u>		22.7	26.5	24.0			
94							22.0	25.7	28.0	31.2	28.9	31.1	30.6	<u>32.5</u>		32.5	31.2	34.7	37.2	35.2	36.8
95																					
96																					
97																					
98																					
99																					
100													27.9	29.5		30.7	28.5	33.0	32.8	34.4	36.0

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

牛蒡況 スギ 面積 0.539 ha 1905 年植栽

年度 林齢 備考	1940	1943	1948	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010	
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105	
	既公表	既公表 間伐	既公表	既公表	既公表	既公表	既公表	既公表 雪害	既公表	既公表	既公表	既公表	既公表	既公表 間伐				
cm単位測定																		
立木No.	1	32.80	34.00	38.40	38.65	43.50	45.10	47.50	49.35	52.40	55.90	58.55	58.05	62.20	63.90	67.00	66.95	69.10
	2	27.80	29.80	32.60	34.30	36.60	37.05	38.50	39.70	40.75	42.10	43.35	42.85	45.00	44.70	46.00	46.65	47.75
	3	32.75	35.25	36.20	37.35	39.80	40.00	40.85										
	4	28.25	30.85	35.00	36.00	40.80	42.50	45.10										
	5	27.25	28.45	30.40	31.20	33.15	34.05	35.40	36.10	37.40	39.60	41.50	41.80	45.60	46.20	48.00	49.10	49.90
	6	30.45	32.25	34.75	35.00		36.55	37.75	38.15	37.70	37.50	38.60	38.15	39.40	38.70	41.00	40.60	40.40
	7	19.80	間伐															
	8	42.90	47.45	56.98	58.73	63.45	66.55	71.50	72.20	75.45	79.55	81.50	85.30	89.50	93.00	96.00	99.10	105.50
	9	30.10	30.95	32.85	33.80	34.05	34.50	35.25	35.50	35.20	35.15	35.90	34.95	35.85	間伐			
	10	29.10	30.90	31.80	32.05	32.20	32.15											
	11	22.55	23.85	25.65	26.45		28.90	29.75	29.75	29.85	29.25	30.50	29.45	30.50	間伐			
	12	37.75	40.50	42.97	45.20	47.75	49.25	51.10	52.75	52.75	54.30	55.90	54.50	57.05	58.80	60.50	61.10	62.55
	13	29.60	31.45	34.00	35.10	37.50	38.20	39.30	39.55	39.60	39.90	40.50	39.60	40.40	間伐			
	14	43.80	48.95	52.20	53.79	57.00		61.25	63.20	64.50	67.40	69.70	69.35	73.60	76.00	76.50	80.00	81.25
	15	27.60	29.70	32.60	32.80	35.60	36.70	39.00	39.65	40.10	42.30	43.40	43.75	43.50	44.70	45.50	48.25	49.50
	16	37.05	40.35	44.56	47.11	48.30	49.00	49.50	50.25	51.70	53.45	55.80	54.80	59.70	59.10			
	17	17.30	18.15	18.50	18.80	19.15	19.15	19.25	19.25	19.35	18.95	19.90						
	18	29.70	31.35	34.00	34.60	35.85	36.60	37.10	37.65	38.05	38.30	38.80	38.60	39.50	38.90	40.50	40.25	40.25
	19	25.05	26.00	27.85	28.80	30.40	30.60	30.40	30.95	30.85	35.00	32.40	31.45	32.10	32.10	32.50	33.00	33.10
	20	19.90	20.40	21.75	22.55	25.05	25.30	26.35	26.55									
	21	21.90	23.65	24.95	25.50	26.85	27.20	28.10	28.55	27.75	30.35	32.50	29.85	31.20	間伐			
	22	30.80	32.90	35.40	36.70	41.70	43.25	46.25	48.50	50.80	54.40	56.95	56.30	60.20	62.60	63.00	64.50	69.65
	23	17.00	17.95	18.50	19.10	19.50	19.20	19.55	19.60	19.75	19.40	19.70	19.30	19.80	間伐			
	24	15.75	間伐															
	25	16.15	間伐															
	26	29.85	31.05	33.25	35.20	39.30	40.40	41.95	44.15	45.65	48.20	50.05	49.70	53.80	54.10	57.50	59.20	62.45
	27	24.15	間伐															
	28	28.00	29.90	33.15	34.75		40.65	43.85	44.15	46.30	50.60	49.55	48.80	53.10	間伐			
	29	24.70	25.65	28.05	28.25	30.90	31.35	32.25	33.50	33.95	34.70	35.10	34.65	35.70	間伐			
	30	25.70	間伐															
	31	24.20	24.35	28.10	28.75	31.65	32.65	33.75	34.40	34.80	35.10	35.90	35.40	37.10	間伐			
	32	29.10	30.40	33.20	34.90	37.50	41.30	42.30	48.70	51.25	54.20	56.80	57.25	61.40	63.60	66.50	70.10	71.50
	33	24.15	間伐															
	34	20.25	間伐															
	35	29.20	29.85	32.65	34.00	37.80	40.15	42.25	44.70	46.50	48.75	50.50	51.10	55.50	55.50	60.00	63.80	66.60
	36	32.05	32.25	34.90	34.90	40.10	42.70	43.35	45.15	47.00	49.45	55.05	52.05	56.40	間伐			
	37	26.80	27.95	29.90	31.40	35.80	36.10	37.50	39.35	40.60	42.30	44.20	43.80	46.00	46.95	47.50	50.40	52.65
	38	33.80	35.50	37.00	38.60	42.65	43.25	45.10	47.25	47.85	49.15	51.10	50.60	53.80	間伐			
	39	20.35	20.55	22.65	23.95	26.00	26.70	27.75	28.75	28.90	29.10	29.60	29.75	31.40	間伐			
	40	28.60	29.40	31.05	32.15	34.50	35.15	36.30	37.75	38.25	40.00	41.90	41.45	44.00	45.20	48.00	52.50	54.15
	41	22.85	23.10	26.65	27.90	30.50	31.60	33.00	34.85	36.00	38.45	40.50	40.20	43.30	44.75	46.50	49.10	51.50
	42	20.10	20.85	23.25	24.35	25.00	28.35	30.75	32.05	32.00	31.75	33.15	33.60	34.60	間伐			
	43	19.95	間伐															
	44	33.95	35.45	38.55	39.40	44.30	46.05	50.25	52.85	54.05	56.70	58.60	58.40	61.60	63.70	65.00	67.15	73.80
	45	21.55	22.80	26.30	26.90	29.75	31.25	34.00	35.15	36.50	38.50	43.40	40.40	42.90	42.15	46.00	47.10	47.55
	46	20.20	間伐															
	47	37.85	39.10	44.24	46.47	47.75	49.55	51.65	54.30	57.25	61.65	65.00	61.75	67.20	70.50	74.00	76.50	81.25
	48	19.55	間伐															
	49	22.25	22.70	24.45	26.40	29.90	29.85	30.60	33.35	32.75	34.05	35.00	34.70	36.10	間伐			
	50	23.50	間伐															
	51	37.10	37.90	43.29	44.56	47.50	48.65	50.85	52.95	54.00	56.55	60.20	59.00	63.20	66.20	67.00	70.70	71.10
	52	22.35	間伐															
	53	21.60	22.45	24.50	25.70	28.40	28.75	31.00	33.10	33.65	34.75	36.80	36.70	39.30	37.30	42.50	44.60	45.55
	54	19.40	19.40	21.40	22.10	23.50	23.70	24.00	24.00	23.75	23.90	24.50	23.80					
	55	22.15	間伐															
	56	17.90	間伐															
	57	37.90	39.35	40.00	45.52	47.00	48.10	48.90	50.45	51.40	52.30	54.70	53.60	55.80	57.40	58.00	58.85	59.75
	58	23.05	24.25	26.20	26.95	29.20	29.70	30.40	32.10	32.25	33.85	34.20	34.00	36.30	間伐			
	59	10.85	間伐															
	60	23.70	24.85	27.25	28.95	31.60	32.75	36.00	38.00	39.80	42.80	44.20	43.55	48.30	間伐			
	61	27.85	29.05	31.00	31.70	34.50	34.85	36.25	36.70	36.95	37.45	38.40	37.85	39.90	39.90	41.50	43.40	44.60
	62	21.30	21.85	23.10	23.15	25.10	25.65	25.60	27.30	27.40	27.15	28.00	27.55	29.00	間伐			
	63	17.85	間伐															
	64	31.55	33.50	35.50	36.10	39.85	41.25	43.30	45.40	45.75	48.35	50.10	49.80	54.50	55.15	57.50	60.25	62.75
	65	24.85	25.85	28.30	28.80	31.15	32.05	33.10	33.80	34.20	35.40	36.00	35.40	38.00	37.50	39.50	40.65	42.35
	66	22.40	23.50	27.00	28.35	31.75	33.25	36.15	37.75	38.75	42.45	44.50	44.30	48.50	51.00		52.85	
	67	18.55	間伐															
	68	24.65	25.50	29.10	29.35	32.40	33.15	34.90	36.40	37.45	38.90	39.50	39.30	42.50	43.20	46.00	47.40	48.00
	69	17.35	間伐															
	70	14.80	15.30	16.35	17.05	18.25	18.60	19.25	19.80	19.75	19.95	20.50	19.90	20.80	間伐			

當山啓介ら

胸高直径	牛蒡沢																
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
71	29.55	31.50	34.95	36.45	41.85	43.15	45.80	48.60	49.75	53.10	55.10	54.55	57.30	59.70	62.00	64.35	67.05
72	21.20	21.50	24.40	25.75	28.45	29.30	31.25	32.85	33.60	35.05	36.10	36.50	39.80	間伐			
73	24.10	25.20	27.50	28.25	31.50	32.55	34.95	36.05	37.45	39.70	40.90	41.85	44.80	45.75	48.50	50.50	51.70
74	21.15	21.95	23.55	24.00	25.90	26.60	27.65	29.35	30.40	31.80							
75	14.50	14.60	16.00	16.15	17.10	17.25	18.45	18.65	19.30	19.90	20.80	20.50	21.80	間伐			
76	19.25	20.45	22.75	23.45	26.30	27.75	30.65	32.25	32.00	33.25	33.95	34.85	38.40	間伐			
77	19.95	間伐															
78	17.60	17.60	19.20	19.85	22.00	22.75	24.25	24.85	<u>25.50</u>	27.30	27.70	27.30	29.00	間伐			
79	18.85	間伐															
80	24.85	26.85	30.20	31.70	36.50	38.70	40.50	43.20	45.00	47.80	50.10	49.00	53.00	54.95	58.00	58.85	59.50
81	16.00	間伐															
82	13.90	間伐															
83	19.00	19.50	20.50	20.90	22.10	22.70	23.45	23.85	24.05	24.80	24.20	24.80	24.10	間伐			
84	19.40	間伐															
85	20.35	22.15	24.30	24.95	28.20	29.15	31.50	33.20	33.30	36.25	36.70	36.30	39.80	40.45	42.50	44.65	45.90
86	22.40	23.60	26.10	26.80	28.40	29.20	30.00	30.85	30.60	31.25	32.00	31.55	33.00				
87	18.30	間伐															
88	29.50	30.90	34.00	35.65	38.90	40.75	43.75	46.20	47.55	49.65	51.50	52.20	55.30	56.55	60.00	62.85	63.85
89	18.55	19.60	24.15	24.65	25.55	26.20	28.25	29.40	30.60	33.55	34.35	34.30	37.00	間伐			
90	18.55	19.75	21.10	21.40	23.10	23.15	23.95	24.10	24.35	24.80	25.80	25.20	26.50	間伐			
91	19.20	間伐															
92	25.20	26.45	27.80	29.10	31.40	32.15	33.50	33.95	34.00	34.90	35.40	34.70	35.90	35.50	37.50	38.90	38.20
93	21.30	間伐															
94	21.85	23.35	24.20	25.05	27.00	27.70	28.20	28.40	29.15	29.60	30.30	29.70	31.40	間伐			
95	21.55	間伐															
96	24.45	26.75	27.60	28.85	30.90	30.40	32.65	34.00	35.50	38.40	39.55	40.10	43.60	45.25	48.50	50.35	51.15
97	27.20	29.25	33.70	34.95	39.60	41.15	43.90	46.60	48.10	50.25	52.30	52.55	56.50	57.70	60.50	62.10	64.20
98	22.65	25.25	27.75	30.10	34.00	35.15	37.15	39.40	<u>40.50</u>	42.10	44.40	44.40	47.80	47.30	49.00	51.10	52.55
99	25.10	26.35	29.25	29.80	33.80	35.30	36.95	38.15	40.00	41.15	43.00	42.35	45.80	45.90	48.00	49.40	50.35
100	24.20	28.15	27.40	29.25	32.30	33.10	34.10	35.90	36.25	38.10	39.30	39.00	41.00	41.20	42.50	42.75	42.95
101	20.30	22.65	24.65	26.90	30.80	32.25	33.50	35.30	36.65	38.00	38.90	38.60	42.40	42.05	44.50	45.25	46.10
102	22.75	間伐															
103	22.55	23.75	26.30	27.80	30.50	31.85	32.65	33.25	33.00	33.70	34.30	33.65	34.90	36.05	36.50		
104	25.00	26.40	29.00	30.95	33.15	34.75	37.00	38.75	40.75	42.75	44.30	44.30	48.60	47.40	51.50	52.60	53.75
105	34.10	36.00	38.30	39.95	46.95											36.80	36.50
106	29.95	32.50	36.00	38.05	42.60	45.05	49.00	53.00	54.75	59.15	62.10	62.55	69.60	70.60	74.00	74.40	79.25
107	30.75		35.00	37.65	42.40	44.65	46.65	48.80	50.45	52.25	53.75	53.80	56.80	57.85	59.00	60.25	62.55
108	24.05	間伐															
109	20.40	間伐															
110	35.00	37.60		<u>47.43</u>	52.20	56.40	57.70	61.10	64.00	66.20	71.40	71.60	78.00	81.50	82.00	88.00	103.75
111	25.00	間伐															
112	33.95	35.90	39.60	40.00	44.75	46.10	48.75	49.85	51.00	<u>52.40</u>	54.30	53.00	56.60	56.60	59.00	60.60	60.25
113	32.90	間伐															
114	43.15	44.15	<u>49.34</u>	<u>51.57</u>	55.75	58.05	60.05	62.05	63.75	65.60	69.25	69.40	75.20	79.00	80.50	84.00	85.55
115	34.35	35.05	37.10	38.10	39.70	40.20	40.85	41.40	40.90	41.20	42.05	41.10	42.70	間伐			
116	25.20	26.25	27.80	28.85		31.05	31.00	32.00	32.15	32.30	32.60	32.45	33.90	間伐			
117	34.35	35.65	38.00	39.10	44.35	45.25	47.40	48.20	47.75	49.20	50.40	50.15	52.70	51.90	53.50	54.00	55.80
118	37.40	39.40	39.60	<u>46.47</u>	50.00	51.00	53.50	55.75	57.65	60.60	63.60	63.55	68.90	72.50	74.00	75.85	80.40
119	<u>28.45</u>	30.25	32.75	33.55	35.55	36.00	36.55	36.80	36.55	37.10	37.15	37.20	38.90	間伐			
120	29.30	30.50	32.20	34.15	35.50	36.00	37.15	37.40	37.60	37.60	38.10	37.50	39.20	間伐			
121	27.55	29.65	31.55	32.75	36.80	37.30	38.75	39.10	39.10	39.25	40.10	39.65	40.60	40.00			
122	25.45	間伐															
123	28.10	30.40	31.60	34.05	38.40	39.70	41.40	43.05	43.25	44.10	45.70	45.40	47.70	50.10	50.50	51.25	52.55
124	27.90	<u>28.60</u>	30.80	32.55	33.50	33.85	34.25	35.00	35.00	35.90	36.80	36.10	37.20		59.50	60.25	62.50
125	22.60	間伐															
126	34.20	35.80	38.30	39.75	44.10	45.60	47.75										
127	31.00	33.55	35.40	36.40	40.50	42.05	43.10	44.40	<u>46.70</u>	49.00	51.30	51.20	55.50	56.35			
128	26.95	28.60	29.95	31.60	34.35	34.20	35.40	35.60	35.25	36.15	35.50	35.65	36.50	間伐			
129	24.25	間伐															
130	25.10	27.55	30.55	32.40	38.10	40.25	43.00	45.70	49.00	51.80	54.40	54.95	59.10	62.00			
131	21.90	<u>23.05</u>	27.20	27.90	31.75	33.25	36.10	37.50	38.50	41.05	43.30	43.00	46.80	47.90	50.50	51.70	54.05
132	25.10	間伐															
133	23.00																
134	36.30	38.10	39.50	<u>44.88</u>	48.25	49.60	52.45	53.90	55.25	56.10	59.45	60.10	63.60	66.00	66.50	68.50	70.35
135	35.05	37.30	38.50	42.10	46.50	48.75	50.35	52.15	<u>53.10</u>	56.10	58.20	57.95	62.30	62.45	65.00	67.20	69.50
136	29.40	<u>30.10</u>	32.60	33.00	36.25	36.35	38.40	39.05	39.65	41.05	41.80	41.80	43.50	間伐			
137	26.10	27.75	28.65	29.95	31.00	31.35	32.10	32.15	32.50	32.85	33.40	32.70	34.00	間伐			
138	26.40	27.65	29.10	29.65	31.60	32.25	33.00	34.05	33.95	34.80	36.20	35.95	38.00	38.30	40.00	41.00	41.80
139	23.85	24.85	25.90	26.90	28.20	28.30	28.50	29.10	30.20	29.10	30.40	29.65	30.20	間伐			
140	37.50	40.25	<u>43.93</u>	<u>45.20</u>	46.25	47.50	49.75	50.70	50.75	51.30	53.20	52.95	55.60	55.15	57.50	56.30	57.40
141	32.15	35.20	37.50	38.15	40.25	40.45	41.60	42.25	43.60	44.10	46.35	44.65	46.70	46.55	47.50	47.85	49.65
142	26.65	27.60	29.00	30.10	31.10	31.30	32.00	32.10	32.10	32.80	32.60	32.20	33.00	間伐			
143	38.60	41.85	<u>46.47</u>	<u>47.43</u>	50.30	51.60	53.80	54.70	55.25	56.55	58.20	58.20	60.80	60.45	63.00	63.00	63.95
144	27.65	28.80	27.40	29.90	30.90	30.95	30.55	30.90	31.50	31.50	32.25	31.30	32.40	間伐			
145	30.80	33.15	36.95	<u>37.95</u>	41.90	43.05	43.00	45.20	45.45	44.45	45.30	44.35	45.00	間伐			
146	27.60	間伐															
147	25.65	26.85	29.00	30.10	31.00	31.70	32.05	32.05	32.10	31.20							
148	30.30		33.50	34.60	37.50	37.70	39.75	40.45	40.50	42.10	43.90	42.60	45.00	44.60	46.00	46.75	48.45
149	34.30	35.80	39.40	39.75	42.10	43.40	45.10	46.25	47.60	48.70	50.20	49.80	52.90	53.40	55.50	56.30	58.25
150	25.90	26.50	26.60	<u>26.70</u>	26.40	26.25	26.25										

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	牛蒡沢																	
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105	
151	34.80	37.35	39.70	44.24	47.00	49.20	52.35	54.05	54.90	58.05	61.10	59.60	64.90	63.90	68.00	69.35	71.15	
152	19.75	20.05	19.90	20.15	20.05													
153	29.75	30.75	32.70	33.95	35.65	36.20	36.60	37.75	38.15	37.80	38.90	38.55	40.00	39.15	41.50	40.80	41.75	
154	27.40	29.35	30.80	32.40	35.65	35.90	37.15	38.55	38.75	39.50	40.60	40.45	42.50	間伐				
155	32.40	34.55	39.00	39.15	43.85	44.75	47.85	51.05	51.95	53.20	55.60	55.60	59.30	60.20	63.00	64.70	66.35	
156	22.90	間伐																
157	31.05	32.90	36.05	36.70	40.60	42.15	43.00	44.35	45.50	48.35	50.35	50.55	53.00	54.90	57.00	64.25	60.30	
158	19.00	19.70	22.05	22.20	24.20	25.05	25.65	26.30	26.75	27.45	27.90	27.20	28.70	間伐				
159	26.00	27.50	29.00	29.80	32.30	33.10	33.45	34.40	35.20	35.85	37.70	36.20	37.50	37.95	39.00	39.25	39.20	
160	25.05	26.65	30.25	30.85	34.20	36.50	38.75	40.65	41.25	44.65	47.20	46.10	51.20	51.75	53.50	56.50	58.65	
161	28.60	間伐																
162	28.65	30.10	33.20	33.55	36.25	37.15	38.80	39.00	39.00	39.50	40.00	39.90	42.20	41.00	42.50	43.90	43.65	
163	21.00	間伐																
164	15.55	16.80	19.50	19.45	21.30	21.70	22.25	23.40	23.50	23.65	24.05	23.60	24.40					
165	22.00	23.60	26.10	26.70	29.60	30.65	32.75	34.40	36.15	39.45	40.70	41.15	45.50	46.50	49.00	51.75	53.90	
166	35.95	38.55	39.50	45.20	48.75	55.50	52.80	54.15	55.00	57.20	60.60	60.40	63.20	63.60	66.00	67.00	68.40	
167	26.55	28.30	30.60	31.85	35.30	36.05	39.00	40.05	42.15	43.55	46.60	46.60	49.60	51.80	53.50	54.00	56.35	
168	31.90	34.05	36.20	38.25	41.35	42.60	44.10	45.25	46.60	48.45	50.80	50.35	54.70	57.00	55.50	57.15	59.25	
169	26.90	間伐																
170	31.20	32.30	34.00	35.25	36.25	36.65	38.40	39.10	38.00	38.70	39.20	38.35	39.90	39.80	41.00	41.30	41.50	
171	26.35	間伐																
172	23.15	24.20	27.55	29.05	30.90	32.25	33.70	34.30	33.75	35.10	35.30	34.25	35.90	間伐				
173	21.70	間伐																
174	26.90	28.10	29.50	30.75	32.50	32.80	33.75	33.95	34.25	35.10	36.00	35.25	36.80	36.25	37.50	37.60	37.30	
175	24.85	間伐																
176	37.90	42.85	49.66	51.57	58.00	59.20	63.00	68.10	67.50	73.40	75.45	79.50	83.80	88.00	89.00	92.50		
177	31.50	33.15	35.05	36.70	40.20	41.75	42.50	43.35	44.50	43.70	48.05	45.75	48.90	48.80	50.50	50.90	51.20	
178	18.75	間伐																
179	24.50	26.15	27.75	29.35	31.10	32.10	33.00	33.85	33.25	34.30	35.20	34.50	36.00				97.25	
180	20.80	間伐																
181	24.50	間伐																
182	31.75	33.10	34.50	36.25	39.10	39.35	40.05	40.15	40.25	40.15	40.50	39.80	41.30	41.30	40.50			
183	33.65	34.90	37.30	37.80	40.90	41.65	43.40	44.25	44.95	44.65	47.10	47.60	50.00	50.10	52.00	52.70	53.80	
184	33.50	35.15	37.20	37.55	41.20	42.40	44.00	45.25	46.75	48.65	49.80	49.35	53.00	間伐				
185	31.40	32.70	34.00	36.70	40.10	41.70	42.30	43.10	43.75	44.10	46.60	46.20	48.80	49.20	50.50	52.55	54.65	
186	28.90	間伐																
187	33.00	34.70	39.20	39.40	43.90	44.65	47.55	49.30	50.75	53.15	56.10	56.90	58.90	63.10	66.50	68.55	72.10	
188	21.10	22.80	24.10	24.30	25.60	25.75	26.15	26.65	26.40	27.00	27.50	26.90	27.50	間伐				
189	32.45	34.60	37.50	39.10	45.50	48.70	51.60	53.85	56.25	59.10	63.60	63.35	70.80	70.80	76.50	78.30	82.55	
190	28.00	29.25	30.20	31.00	33.00	33.30	33.90	34.30	34.25	35.00	35.80	35.25	37.10	間伐				
191	31.30	32.65	35.20	36.20	39.20	39.35	41.05	41.55	42.40	43.90	45.30	44.90	47.20	47.90	49.00	49.25	50.30	
192	26.95	27.45	28.75	30.55	30.80	31.30	32.05											
193	31.35	32.70	34.20	35.75	37.20	37.75	39.80	40.00	40.15	41.40	42.45	41.65	43.80	44.30	45.00	45.20	45.90	
194	33.45	35.30	37.95	42.65	46.25	48.10	52.65	53.70	55.25	57.60	60.90	60.20	64.30	68.30	69.50	70.80	74.15	
195	22.45	間伐																
196	31.35	間伐																
197	30.45	32.85	36.75	37.90	42.45	43.20	45.25	45.65	46.15	46.20	48.50	47.60	49.70	50.00		51.35	52.40	
198	24.50	間伐																
199	26.50	27.75	30.45	30.40	32.70	32.75	33.65	34.40	33.65	34.80	34.80	33.70	35.00	間伐				
200	27.85	間伐						47.75	49.60	51.95	54.00	53.95	58.00	61.30	62.00	63.60	65.40	
201	29.25	31.65	35.00	36.25	40.80	42.60	46.15	27.10	26.75	26.95	27.35							
202	22.50	23.15	26.10	26.35	26.60	26.70	27.35											
203	15.40	間伐																
204	21.75	23.70	27.25	28.95	33.50	35.90	37.90	41.00	43.15	45.90	48.30	47.85	51.20	54.00	55.50	57.55	58.40	
205	22.00	間伐																
206	26.65	間伐																
207	32.50	33.15	36.30	37.55	40.70	41.30	43.00	43.75	43.25	44.00	45.00	44.65	46.20	45.40	47.50	46.70	46.75	
208	25.35	26.95	30.05	30.85	33.30	34.50	35.60	36.00	36.35	36.75	37.50	36.65	38.10	38.20	38.00	38.00	38.25	
209	23.60	間伐																
210	21.75	間伐																
211	25.05	26.15	28.15	29.50	31.00	31.75	33.00	33.55	33.25	34.10	35.00	34.30	38.70	間伐				
212	24.50	間伐																
213	26.30	28.10	30.15	32.30	35.00	36.10	38.50	39.30	41.60	43.35	45.65	45.20	47.80	50.10	52.00	52.90	55.00	
214	23.60	24.40	26.50	26.45	28.90	29.55	30.40	30.70	30.15	31.00	31.50	31.05	32.60	間伐				
215	17.40	18.05	18.05	18.90	19.60	19.40	19.40	19.45										
216	18.70	間伐																
217	25.65	27.00	30.00	30.90	33.50	35.35	37.25	37.80	39.85	41.65	43.25	42.30	45.50	47.50	47.50	48.95	50.40	
218	17.70	間伐																
219	24.90	25.45	26.50	26.95	28.00	28.15	28.40	28.60	28.25	28.65	29.40	28.45	29.40	間伐				
220	35.75	37.55	39.75	40.85	45.20	46.20	47.20	49.25	50.75	52.80	55.05	53.20	57.70	59.55	61.00	62.00	63.80	
221	26.60	27.45	29.00	30.00	30.90	30.95	31.55	31.85	32.25	33.50	33.90	33.55	34.90	間伐				
222	25.00	26.00	27.50	27.85	29.50	29.20												

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	牛蒡沢																
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
231	24.50	間伐															
232	30.95	33.25	38.00	38.75	43.25	44.60	48.00	50.15	52.60	55.60	58.80	58.65	65.30	68.70	69.00	71.55	75.75
233	29.90		32.15	32.50	33.00	33.80	34.10										
234	25.30	26.55	27.50	30.10	33.40	33.85	36.60	37.95	38.10	40.95	42.15	41.40	43.90	44.10	45.50	46.60	47.65
235	25.90	間伐															
236	25.05	24.75	26.00	26.45	26.90	26.80	26.75	26.95									
237	39.45	42.35	49.34	51.57	54.75	56.60	58.85	61.75	63.35	64.55	67.00	66.45	71.20	71.80	74.50	75.00	76.20
238	24.80	間伐															
239	34.05	35.90	36.25	41.50	48.75	52.00	54.20	57.40	59.00	61.05	65.30	65.35	70.30	73.60	75.00	80.50	82.75
240	24.50	間伐															
241	28.40	29.50	32.00	32.65	35.70	36.75	38.60	39.50	41.10	43.30	43.90	43.80	46.90	47.30	50.00	51.50	52.65
242	22.65		26.00	26.75	28.50	29.60	31.25	31.90	31.65	33.20	33.70	33.60	34.70	間伐			
243	23.35	24.15	26.35	26.80	29.70	30.65	32.25	32.25	34.00	35.60	37.30	37.55	39.50				
244	22.40	23.50	24.95	25.60	27.40	27.30	28.50	29.15	29.25	29.85	30.50	30.25	31.50	間伐			
245	29.10	30.45	33.65	36.80	37.40	38.25	39.10	40.55	41.65	42.30	44.35	43.80	46.00	45.95	47.50	48.75	49.75
246	32.60	34.60	38.75	38.85	43.70	43.90	46.15	47.80	48.85	49.80	51.85	53.20	54.00	56.50	57.00	57.25	57.95
247	32.75	33.80	37.00	38.40	41.00	42.75	45.40	47.30	48.25	50.80	53.40	53.45	58.20	60.10	58.50	60.25	60.50
248	25.10	間伐															
249	20.35	間伐															
250	24.65	25.65	26.65	28.35	30.00	31.80	31.60	31.70	31.00	32.25	32.70	31.60	34.50	間伐			
251	27.45	28.10	34.10	34.75	39.40	41.75	44.25	47.05	49.15	52.30	55.30	55.45	61.20	64.80	66.00	68.90	71.50
252	18.95	間伐															
253	30.45	31.75	35.10	36.10	40.50	41.75	44.35	46.40	46.75	49.00	51.60	51.75	54.20	56.30	57.00	58.50	59.85
254	30.75	間伐															
255	24.00	間伐															
256	33.20	34.90	36.75	38.05	40.40	40.30	41.70	41.85	42.50	43.10	44.90	45.35	47.40	48.20	48.00	47.75	48.45
257	30.35	31.50	34.45	35.20	38.20	40.20	41.00	42.25	42.50	43.40	45.20	45.25	48.10	48.10	49.00	50.00	51.15
258	26.20	間伐															
259	31.10	32.60	35.15	35.25	37.10	38.25	38.45	38.45	38.60	38.35	39.10	38.70	39.50	間伐			
260	23.25	間伐															
261	25.35	間伐															
262	27.40	27.55	30.40	31.20	32.05	32.70	33.00	33.00	32.55	33.75	34.20	33.20	34.60	間伐			
263	31.65	33.50	35.40	35.90	39.15	39.90	41.00	41.30	41.35	41.20	42.25	41.35	42.50	42.40	43.00	43.10	
264	28.85		33.35	36.55	38.85	39.25	41.90	43.90	43.75	45.35	47.80	47.40	51.50	52.40	53.50	54.65	55.70
265	21.00	間伐															
266	35.65	38.30	40.00	46.47	47.75	48.70	51.90	53.35	55.70	57.40	59.70	60.35	64.20	66.40	67.00	69.70	72.95
267	20.40	間伐															
268	29.20	30.65	32.20	32.80	34.90	35.30	36.15	37.50	38.20	38.80	45.10	40.10	41.20	40.70	42.00	42.60	42.10
269	38.60	39.80	46.15		45.75	46.70	47.65	48.15	47.90	49.25	50.40	49.55	52.00	50.20	52.50	53.65	52.30
270	23.85	24.70	25.95	27.75	25.60	25.80	25.55										
271	32.70	33.20	34.05	35.50	36.10	36.30	37.55	37.70	38.10	38.10	39.40	38.75	40.20	間伐			
272	31.25	30.90	33.05	33.35	35.30	36.70	36.70	36.75	35.25	36.40	36.20	36.60	38.40	38.50	38.00	39.50	39.70
273	33.25	34.45	37.00	37.10	37.90	39.70	39.30	39.85	39.80	40.15	41.40	41.70	42.50	間伐			
274	23.65	24.05	25.00	25.35	26.00	27.25	26.05	25.65	25.25								
275	25.80	間伐															
276	24.70	26.35	30.30	30.55	33.50	34.75	36.30	38.15	39.50	41.65	42.50	42.70	45.60	46.50			
277	29.40	間伐															
278	26.40	26.45	27.30	27.50	27.40	27.65	27.35										
279	33.00	34.35	36.75	38.30	41.70	42.60	43.80	44.90	46.10	46.85	48.85	49.45	51.00	51.50	53.00	55.00	55.40
280	27.05	27.75	29.10	30.40	32.00	32.75	33.10										
281	22.75	間伐															
282	29.60	30.95	33.00	33.65	35.60	36.25	37.50	37.65	37.40	37.65	38.00	37.50	38.70	間伐			
283	20.25	21.10	22.00	22.35	23.20	22.70	23.55	24.05	23.75	23.85	24.45	24.35	24.80	間伐			
284	24.30	間伐															
285	30.40	31.50	35.00	36.30	39.20	40.70	41.30	43.20	43.25	43.50	45.70	46.45	48.50	間伐			
286	24.45	25.30	27.25	27.95	30.00	30.25	30.60										
287	35.05	37.00	38.75	42.97	46.25	47.10	49.25	50.85	52.00	53.55	57.50	57.10	60.20	62.50	64.00	66.75	68.15
288	23.40	間伐															
289	24.60		27.05	27.85	29.80	30.30	31.00	31.80	32.00	32.20	33.70	32.90	33.70	間伐			
290	28.20	29.25	31.30	31.65	32.60	33.15	33.75	33.70	34.10	35.15	36.30	36.10	37.00	間伐			
291	23.35	24.20	27.30	28.05	32.00	32.35	33.40	35.05	37.00	38.35	41.60	41.15	43.00	45.00	45.00	47.35	47.70
292	24.80	間伐															
293	22.60	間伐															
294	30.40	31.45	35.00	34.70	36.80	37.40	38.25	38.70	38.50	39.75	40.95	40.25	41.80	41.05	42.50	42.90	43.10
295	32.40	33.15	36.75	38.15	40.60	41.80	43.50	45.55	46.65	47.80	49.60	49.20	51.80	間伐			
296	27.15	間伐															
297	40.35	43.65	47.75	49.02	56.00	58.05	61.10		66.00	67.50	71.40	72.65	74.50	78.20	79.50	83.50	84.85
298	35.05	36.70	36.80	38.35	41.70	41.80	43.30	44.10	44.55	45.00	47.00	45.70	48.10	46.60	49.00	49.50	50.25
299	34.00	33.45	36.75	37.85	38.60	39.25	40.10	41.20	43.00	41.20	45.50	43.00	43.70	42.70	44.50	44.75	45.90
300	28.05	間伐															
301	22.05																
302	35.60	37.55	40.00	44.56	46.25	46.40	49.75	51.80	53.25	55.00	57.80	58.35	61.00	63.50	65.00	66.25	69.35
303	21.15		21.55	21.70						56.65	59.40	59.25		65.00	68.00	69.80	73.70
304	23.50	24.95	27.70	28.45	30.30	32.00	32.15	33.05	33.40	34.10	34.50	34.90	35.10	間伐			
305	23.60	24.55	26.15	26.90	28.90	29.60	30.50	30.85	31.05	32.45	34.20	34.05	35.00	35.00	36.50	37.25	38.15
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當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	牛蒡沢																		
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105		
311	29.85	31.25	32.80	33.80	35.90	36.65	37.50	37.70	37.55	38.40	39.05	38.85	40.20	間伐					
312	32.00	33.35	36.50	38.45	43.50	44.60	47.95	48.45	51.00	52.10	54.90	55.65	57.90	60.50	62.00	62.25	63.85		
313	32.70	34.10	36.60	36.65	37.95	38.30	39.10	39.40	39.60	39.00	40.80	41.50	42.20	41.70	43.50	43.70	44.65		
314	33.10	間伐																	
315	32.55	34.55	37.25	39.50	45.50	47.05	50.10	52.30	53.35	55.95	58.30	58.75	61.40	63.20	65.00	68.00	68.60		
316	31.15	32.70	34.20	34.75	36.20	36.65	36.95												
317	29.50	30.55	34.25	34.80	37.50	38.70	40.60	41.50	42.50	44.10	46.55	46.85	49.50	48.60	51.00	51.55	52.50		
318	26.40	27.70	29.95	30.45	32.40	32.80	33.65	34.20	34.35	35.40	36.10	36.45	37.20	間伐					
319	30.70	32.45	35.05	36.40	40.80	41.70	43.50	45.05	45.75	46.90	49.50	48.65	51.30	50.40	53.50	53.20	56.45		
320	25.70	間伐																	
321	21.85	23.15	25.15	25.85	27.90	28.75	29.45	31.05	30.90	32.20	33.35	33.40	35.00	35.05					
322	39.50	42.15	<u>46.79</u>	<u>48.70</u>	50.50	52.10	53.95	56.00	56.00	57.35	59.30	58.90	62.40	61.70	64.50	65.45	66.05		
323	27.85	26.60	30.75	31.30	32.90	<u>33.25</u>	33.40												
324	30.35	30.20	31.00	31.45	31.30	31.25	33.25												
325	28.05	28.85	32.50	33.70	37.50	38.40	40.00	41.20	43.90	45.00	48.60	48.95	52.50	53.60	55.00	58.05	58.70		
326	35.05	間伐																	
327	23.30	間伐																	
328	29.00	30.60	34.40	35.20	39.80	41.25	42.80	44.25	44.95	45.60	49.20	49.00	51.60	51.70	52.50	53.30	53.85		
329	27.85	間伐																	
330	32.45	33.80	37.85	38.15	41.70	42.40	43.70	45.90	45.95	46.40	47.80	47.40	49.80	間伐					
331	26.80	28.40	30.50	31.35	34.80	35.55	36.95	38.55	39.50	40.10	43.40	43.15	47.00	47.00	50.50	51.95	54.40		
332	32.10	32.70	34.50	35.10	36.90	37.20	38.40	39.10	39.00	38.95	39.90	39.75	41.00	41.10	42.00	41.90	42.35		
333	37.25	40.00	<u>45.20</u>	47.50	48.60	50.30	51.70	53.75	55.80	57.85	57.40	62.20	61.40	65.50	66.35	71.45			
334	25.45	間伐													52.00	53.40			
335	26.45	26.80	28.50	28.95	29.80	30.15	30.40	30.65	29.75	30.65	30.80	30.30							
336	22.45	23.75	25.55	26.25	28.10	28.35	29.15	30.00	29.70	30.00	31.30	30.70	31.60	31.40	34.00	33.25	31.35		
337	24.55	25.40	26.95	27.00	28.40	28.70	28.80	29.70	29.75	29.05	29.85	29.35	30.20	間伐					
338	28.10	29.95	32.30	33.75	36.40	37.85	39.25	40.55	41.10	43.00	43.70	43.55	46.00	45.70	48.50	48.85	50.05		
339	23.25	<u>24.40</u>	26.40	26.45	28.20	28.55	29.30	30.30	29.90	31.05	31.30	30.80	32.10	間伐					
340	20.70	間伐																	
341	27.25	28.30	31.50	31.80	33.30	34.30	34.75	37.25	37.25	37.50	39.60	39.10	40.60	40.00	42.50	43.60	44.55		
342	25.35	間伐																	
343	34.05	35.70	39.00	40.50	44.40	45.60	47.00	49.10	49.40	50.40	51.90	52.20	54.50	54.85	57.00	58.00	58.20		
344	22.40	間伐																	
345	28.40	28.45	30.00	30.20	32.00	32.30	33.00	33.90	33.75	34.25	35.00	34.65	35.60	34.65	36.00	36.50	36.05		
346	21.20	間伐																	
347	24.05	25.45	27.90	28.35	31.50	32.75	34.15	35.15	35.60	36.85	37.60	37.55	39.30	38.55	41.00	42.35	41.25		
348	23.55	間伐																	
349	33.40	35.25	38.25	38.50	43.30	44.60	46.55	47.00	48.00	50.00	52.50	52.00	54.60	54.90	55.50	57.00	57.20		
350	23.40	24.80	26.80	27.60	30.40	31.15	31.90	33.05	33.40	34.25	35.30	40.80	36.60	間伐					
351	20.75	21.10	22.45	23.15	24.80	25.55	26.30	26.70	27.10	26.55	26.65	26.55	26.80	間伐					
352	21.00	間伐																	
353	23.85	25.10	23.25	24.55	30.20	30.90	32.40	33.75	34.00	35.00	35.40	34.95	36.80	間伐					
354	21.15	間伐																	
355	26.95	27.95	30.35	31.10	33.10	33.80	34.90	35.70	35.40	36.00	35.70	36.50	39.00	37.95	38.50	38.00	39.10		
356	32.40	34.30	37.90	38.25	43.30	44.15	46.10	49.20	50.25	54.10	54.80	54.75	59.00	59.00	62.50	62.75	65.30		
357	19.10	間伐																	
358	20.55	21.50	23.50	24.30	25.90	26.20	26.75	27.85	28.00	29.05	29.60	29.55	30.80	間伐					
359	30.30	31.75	34.25	35.20	38.40	39.20	41.15	41.85	43.00	43.90	45.60	45.40	48.60	49.00	49.50	50.60	50.90		
360	23.60	24.25	26.25	26.65	28.50	29.60	30.75	32.25	<u>33.15</u>	34.45	36.00	36.00	39.00	40.65	40.50	41.80	42.65		
361	19.30	間伐																	
362	18.10	間伐																	
363	28.80	32.45	36.00	<u>36.75</u>	42.25	42.75	47.90	47.50	49.00	51.05	53.40	54.30	55.10	58.35	61.00	62.75	65.25		
364	23.95	25.00	25.90	26.40	28.20	28.30	29.15	29.95	29.50	30.10	30.60	30.70	31.40	間伐					
365	19.00	間伐																	
366	21.85	間伐																	
367	34.15	36.70	38.30	<u>43.29</u>	47.25	48.75	53.00	53.65	55.50	57.70	60.10	60.90	62.20	65.70	67.50	68.75	70.10		
368	24.75	25.35	27.75	28.05	30.80	31.65	32.75	34.10	34.25	32.90	35.70	36.30	37.80	37.50	39.50	39.90	40.25		
369	28.50	29.45	32.30	33.70	36.70	38.65	39.60	41.55	42.60	<u>44.35</u>	46.40	46.90	48.90	50.80	51.50	53.15	54.10		
370	29.05	間伐																	
371	22.65	24.45	27.35	28.20	32.60	34.30	35.40	37.30	37.85	37.70	40.80	41.70	44.20	43.70	51.00	47.20	49.25		
372	24.75	26.35	29.35	30.10	33.30	34.70	36.50	38.50	40.00	42.20	43.80	44.40	47.30	47.90	49.50	51.00	52.50		
373	20.95	間伐																	
374	22.85	23.95	27.10	28.40	30.70	32.40	34.05	35.10	36.25	35.85	38.90	38.85	40.70	40.25	42.50	42.90	44.40		
375	31.90	34.30	38.15	38.80	44.30	46.65	50.00	52.10	53.90	54.20	57.60	58.55	59.30	61.00	61.00	60.85	60.55		
376	24.20	間伐																	
377	26.40	27.95	30.40	31.25	34.30	35.70	37.15	38.50	39.50	40.90	42.60	43.00	43.90	45.00	46.50	45.70	48.15		
378	19.30	間伐																	
379	24.30	25.10	27.40	28.10	30.80	<u>31.80</u>	32.75	33.90	33.65	34.85	35.45	35.20	36.40	36.40	37.50	38.50	39.45		
380	30.70	32.45	35.15	36.25	40.10	<u>42.05</u>	44.65	46.45	48.50	50.90	53.20	53.40	56.90	間伐					
381	31.55	33.85	36.60	38.15	43.40	44.75	47.10	50.00	51.50	54.50	57.10	57.20	60.50	63.20	63.50	66.00	68.00		
382	22.85	23.70	26.05	26.55	29.60	29.35	30.75	31.55	31.30	31.05	31.40	30.70	32.00	間伐					
383	20.60	間伐																	
384	26.00	27.50	30.05	30.55	34.00	34.40	37.00	37.70	38.00	39.80	41.60	41.20	44.10	42.40	46.00	46.60	47.75		
385	25.45	26.45	28.50	30.15	34.00	<u>35.05</u>	39.75	41.70	43.35	47.25	49.00	48.80	54.00	54.30	58.00	59.30	61.95		
386	25.40	間伐																	
387	28.45	29.25	30.75	31.75	33.80	35.05	35.85	37.05	37.15	39.25	39.20	38.75	41.70	40.40	43.00	43.40	43.45		
388	24.75	25.90	28.40	29.00	30.70	31.05	31.80	32.80	32.50	32.75	32.30	33.40	34.20	33.60	34.50	34.25	34.35		
389	21.00	間伐																	



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	牛蒡沢																
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
391	24.15	間伐															
392	17.65	18.10	17.75	18.95	19.50	19.80	20.00	20.15	19.80	20.15							
393	22.90	24.05	27.30	27.75	31.10	32.25	33.80	36.05	36.65	38.20	40.30	40.40	41.90	43.15	44.50	44.90	45.95
394	26.40	間伐															
395	24.95	間伐															
396	24.60	25.80	29.75	32.60	34.30	36.10	38.40	41.55	42.70	45.80	47.50	48.55	52.60	53.70	56.00	56.85	60.15
397	25.60	27.20	29.75	31.15	35.40	36.70	38.70	40.55	41.50	42.60	42.80	45.55	47.60	48.10	51.00	51.65	53.65
398	21.90	22.70	24.15	24.35	27.00	27.85	29.20	30.10	29.75	29.60	30.90	30.80	32.00	間伐			
399	17.40	間伐															
400	21.65	22.55	24.70														
401	22.75	23.40	25.10	25.45	27.10	27.85	28.55	29.20	29.00	29.20	29.90	29.50	30.40	間伐			
402	21.75	間伐															
403	23.05	24.40	27.10	27.80	31.30	32.75	35.45	37.00	38.65	40.75	42.90	42.85	46.20	47.10	49.00	49.40	51.50
404	19.90	20.90	22.95	24.15	25.00	25.15	26.05	26.55	26.15	26.35	26.80	26.55	27.30	間伐			
405	18.50	間伐															
406	25.30	26.40	29.60	30.85	34.60	35.60	38.60	40.65	42.65	44.60	47.50	48.80	50.90	53.60	54.00	55.75	57.65
407	26.30	27.90	31.00	31.20	33.90	35.10	36.10	37.90	38.00	41.35	42.30	42.40	45.80	45.70	46.50	48.50	48.40
408	19.80	21.35	23.75	24.65	28.70	29.60	31.45	33.00	33.75	35.30	36.30	36.00	38.20	38.40	40.00	40.15	40.40
409	21.45	22.75	24.90	25.40	27.30	28.20	29.35	30.40	29.90	32.25	32.75	31.50	32.50	間伐			
410	26.15	27.25	30.65	31.80	35.20	36.15	37.90	40.00	41.20	43.20	44.80	45.05	47.80	49.40	50.50	50.50	51.00
411	23.45	24.20	26.30	28.00	30.30	30.40	32.70	33.75	33.75	34.80	36.30	36.20	39.10	39.40	41.50	40.55	40.85
412	18.30	間伐															
413	18.85	19.65	21.15	21.45	22.40	22.60	22.90	23.05	23.10	22.95	23.00						
414	25.10	26.55	29.00	29.35	31.60	32.15	33.35	34.60	34.65	36.45	37.40	37.10	39.00	間伐			
415	27.65	29.00	31.75	33.30	37.00	38.35	41.55	43.95	46.10	<u>50.15</u>	51.85	52.75	57.70	60.70	62.00	65.20	66.55
416	19.10	間伐															
417	29.80	31.85	34.00	36.40	40.50	41.65	44.55	46.65	47.50	49.00	52.30	53.10	57.30	59.60	60.00	61.20	62.00
418	30.90	32.55	36.20	<u>36.35</u>	40.10	41.25	43.00	44.55	45.40	47.40	48.60	48.55	51.20	51.60	53.50	54.30	54.00
419	26.50	28.20	31.00	31.00	33.80	34.30	36.60	37.50	37.15	38.45	39.30	39.30	40.20	39.80	41.50	41.10	41.00
420	33.35	34.70	37.75	38.35	43.10	43.75	46.65	47.85	48.75	48.60	51.60	51.70	54.80	56.20	56.50	57.35	58.30
421	39.60	間伐															
422	32.90	34.80	38.25	38.90	43.30	43.85	46.00	48.95	50.75	55.00	55.50	56.05	59.60	61.80	62.00	61.45	65.50
423	27.80	28.85	30.90	31.25	32.80	33.55	33.95	34.80	35.10	36.30	36.00	35.90	38.20	間伐			
424	20.90	21.70	23.00	23.90	26.10	26.30	28.00	29.40	29.25					<u>31.60</u>	33.50	34.10	35.15
425	26.10	28.25	31.90	33.10	38.20	40.10	43.25	46.10	47.75	50.10	53.90	54.20	59.80	62.80	64.50	67.95	70.50
426	29.75	31.65	33.70	34.90	39.20	40.25	42.10	44.30	45.40	47.25	48.40	49.20	52.30	54.20	54.50	56.15	57.00
427	35.30	間伐															
428	34.05	34.55	36.30	37.05	39.30	39.25	40.55	40.70	40.25	40.10	42.05	42.00	43.50	43.30	42.50	42.30	42.00
429	31.80	34.50	36.00	36.85	40.10	40.65	42.15	44.00	45.90	48.05	50.20	50.60	52.90	53.20	56.00	56.80	57.20
430	23.90	間伐															
431	29.35	30.70	32.30	33.15	35.20	35.70	36.55	37.55	37.25	38.45	39.50	46.55	40.50	40.00	43.00	43.20	44.25
432	22.95	間伐															
433	20.90	21.80	22.50	23.15	23.70	23.40	23.65	23.80									
434	16.75	間伐															
435	20.90	20.95	22.10	22.60	22.90	22.25	23.70										
436	21.30	間伐															
437	26.20	28.10	30.55	31.50	34.60	36.70	38.40	41.10	42.20	44.50	46.35	46.10	49.20	51.10	53.00	53.80	55.80
438	25.30	26.60	28.30	28.85	31.90	32.75	33.95	34.75	35.00	36.75	38.45	38.15	39.80	40.50	41.00	42.05	43.65
439	29.20	間伐															
440	21.90	間伐															
441	22.70	23.45	25.00	25.45	26.70	27.20	27.65	28.65	28.35	28.60	28.90	28.65	29.40	間伐			
442	26.10	27.95	32.55	33.40	36.40	38.10	39.40	41.60	42.10	44.20	45.00	44.95	48.30	47.70	50.50	51.30	52.30
443	32.70	34.95	37.25	38.85	44.50	45.10	47.35	48.35	48.70	53.00	51.90	54.65	53.30	55.10	55.00	54.30	55.80
444	32.35	34.15	40.00	<u>42.65</u>	46.25	48.55	51.35	53.95	56.25	60.20	62.80	63.85	69.20	72.30	73.00	74.90	77.90
445	29.00	間伐															
446	23.55		26.10	26.90	28.60	30.00	31.05	31.45	31.75	<u>32.35</u>	33.40	33.15	33.90	間伐			
447	32.80	34.45	36.70	39.80	40.60	42.65	43.15	44.25	45.65	46.70	46.40	47.20	48.20	49.00	51.00	51.80	52.80
448	29.25	30.80	32.00	34.00	34.40	35.20	36.05	37.55	38.00	40.10	40.30	40.30	42.50	間伐			
449	34.40	35.90	37.75	39.60	43.50	45.60		49.55	50.40	51.60	54.70	55.00	58.80	60.30	61.50	62.95	64.60
450	28.15	30.30	32.50	33.05	36.60	39.20	39.75	41.95	42.25	44.30	45.20	45.30	46.50	47.00	48.00	49.00	49.90
451	25.75	26.80	26.55	26.90	27.30	27.25	27.40										
452	28.85	31.40	35.00	36.50	40.30	41.75	42.90	44.05	45.00	47.05	48.45	48.35	50.70	49.80	51.50	52.00	53.20
453	31.00	32.85	35.00	35.95	39.70	41.60	43.95	44.50	44.35	44.70	46.30	46.15	48.10	47.50	50.00	50.10	51.45
454	27.75	29.80	32.50	34.90	38.50	40.30	42.35	44.05	46.00	47.95	50.00	50.10	53.50	53.65	56.50	59.40	59.70
455	18.05	間伐															
456	18.95	間伐															
457	37.10	38.75	39.75	42.05		48.25											
458	30.85			36.20	38.70	40.00	40.80	43.00		46.15							

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

牛蒡沢 スギ 面積 0.539 ha 1905 年植栽

年度 林齢 備考	1940 35	1943 38	1948 43	1950 45	1957 52	1960 55	1965 60	1970 65	1975 70	1980 75	1983 78	1985 80	1991 86	1996 91	2000 95	2006 101	2010 105		
	既公表 間伐		既公表	既公表	既公表	既公表	既公表	既公表 雪害	既公表	既公表	既公表		既公表	既公表 間伐					
	記録無		微修正	微修正	微修正	微修正	微修正	微修正	記録無										
立木No. 1																43.5	43.5		
2	23.1															37.5	38.8		
3																			
4																			
5	22.7	26.7	24.9	28.8	28.7	29.8	31.1	30.1	32.5			32.3	33.5	34.6	35.7	39.2	36.7		
6																35.0	35.0		
7																			
8			34.5	32.6	36.8	39.2	38.7	41.7	39.0	43.1			48.8	45.5	45.0	46.4	46.6		
9																			
10	22.6																		
11			23.1	22.2	25.1	26.0	26.7	33.8	29.7	27.6			29.9	30.0					
12																32.2	37.5		
13	21.7																		
14			30.8	30.2	33.1	34.0	34.7	37.1	37.6	41.8			40.8	41.8	42.5	42.2	41.2		
15																40.6	40.6		
16																			
17			20.9	17.8	20.2	12.7	21.2	22.5	21.4	21.4									
18																30.4	32.4		
19																32.0	32.0		
20																			
21																			
22																33.7	33.7		
23																			
24																			
25																			
26									30.4	30.8			30.7	35.0	31.8	32.5	33.9	33.9	
27																			
28																			
29																			
30																			
31																			
32	17.1																	33.2	34.1
33																			
34																			
35	16.8									31.4	32.2			33.9	40.0	34.8	36.8	37.8	37.8
36			30.2	22.9	24.5	24.6	25.5	27.3	26.1	29.7			30.8	31.5	30.7	31.5	28.9	30.7	
37																			
38																			
39																			
40																32.5	32.8		
41																33.1	33.5		
42																			
43																			
44																35.8	35.8		
45																30.8	30.8		
46																			
47						26.2	26.8	28.7	30.3	31.9			32.5	35.7	35.5	39.5	40.3	40.3	
48																			
49																			
50																			
51																35.2	35.2		
52																			
53																35.0	37.0		
54																			
55																			
56																			
57																30.1	30.1		
58																			
59																			
60																			
61	18.9																32.7	32.7	
62																			
63																			
64																30.9	31.5		
65																29.6	29.7		
66																33.8			
67																			
68																31.3	31.3		
69																			
70																			

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	牛蒡沢																		
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105		
71		16.5														31.5	32.1		
72																			
73																28.6	29.0		
74																			
75									18.6	19.9		19.4	22.0						
76																			
77																			
78																			
79																			
80									29.3	30.9		31.9	33.0			34.1	35.0		
81																			
82																			
83																			
84																			
85																32.7	32.7		
86									23.8	25.6		25.7	27.0						
87																			
88		20.7														33.3	34.1		
89																			
90																			
91																			
92																28.8	29.5		
93																			
94									29.0	27.4		27.7	30.8						
95																			
96																33.8	35.5		
97		21.0	26.5	22.8	26.6		26.6	30.6	30.7	32.1		34.6	34.5	36.1	38.6	37.4	37.6		
98																33.5	35.3		
99																34.6	34.8		
100																32.9	32.9		
101																35.2	35.5		
102																			
103																			
104																36.5	36.6		
105																27.2	27.2		
106																38.0	39.1		
107																33.8	33.8		
108																			
109																			
110																40.1	40.1		
111																			
112																45.4	45.4		
113																			
114																42.2	44.2		
115									32.0	34.7		34.5	34.4						
116																			
117																38.2	39.8		
118		34.6	29.6	34.4	34.9	34.5	37.7	38.0	40.3		40.8	38.4	43.3	46.8		46.1	46.4		
119																			
120																			
121																			
122																			
123																43.7	43.7		
124																38.1	38.2		
125																			
126																			
127																			
128		28.0	24.7	27.6	27.8	29.0	29.9	30.4	33.0		30.7	31.3							
129																			
130								31.1	33.5		34.0	35.3	35.9						
131																38.8	41.8		
132																			
133																			
134		29.6	29.8	33.1	34.7	33.6	36.5	34.9	38.0		38.2	39.1	38.4	39.7		40.8	41.7		
135																44.5	45.9		
136																			
137																			
138																43.4	43.4		
139								31.4	34.2		33.7	35.2							
140																51.6	43.8		
141																46.4	39.1		
142		23.4	23.7	27.2	28.4	27.0	30.0	30.0	31.1		32.2	32.5							
143																40.5	43.9		
144																			
145																			
146																			
147																			
148																37.7	39.0		
149								34.0	38.1		38.9	38.5				43.2	43.2		
150																			

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	牛蒡沢																	
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105	
151																41.3	42.0	
152																		
153		22.5														39.6	34.7	
154			26.6	25.8	28.5	28.9	30.0	29.9	31.4	30.3		34.3	32.6					
155																38.2	39.0	
156																		
157																36.7	36.8	
158																		
159																34.3	35.7	
160																36.5	36.5	
161																		
162																32.5	32.5	
163																		
164																		
165																34.3	35.4	
166																36.6	36.8	
167			24.3	22.8	25.8	26.8	28.1	29.0	29.6	31.8		33.0	33.4	34.5	36.4	37.5	37.5	
168																39.5	44.9	
169																		
170																36.2	36.2	
171																		
172																		
173																		
174			27.9	23.5	26.0	26.6	27.3	30.5	31.4	34.1		31.6	34.0	33.4	34.7	38.0	36.4	
175																		
176									35.9	38.9		38.7	40.9			40.4		
177																37.9	39.0	
178																		
179																	42.4	
180																		
181																		
182									30.0	33.3		35.4	34.0					
183																43.1	43.1	
184																		
185																49.8	43.0	
186																		
187																43.9	44.1	
188																		
189																47.6	47.6	
190																		
191		25.3														43.6	43.6	
192			23.8	25.8	28.5	29.2	29.2											
193									35.6	38.1		36.0	36.3	40.0	43.0	38.8	40.1	
194																45.0	45.6	
195																		
196																		
197		26.2														40.8	40.9	
198																		
199			24.3	25.1	28.1	29.8	30.0		30.4	31.4		30.8	31.8					
200																42.4	42.5	
201		26.2																
202																		
203																		
204																38.3	38.4	
205																		
206																		
207																32.3	33.8	
208																34.2	34.5	
209																		
210																		
211																		
212																		
213									33.0	32.9		34.1	37.5			42.8	42.8	
214																		
215																		
216																		
217																41.6	41.7	
218																		
219																		
220																45.5	45.5	
221			25.2	24.7	28.5	29.9	30.4	32.5	31.7	33.6		37.5	32.3					
222																		
223																42.9	43.3	
224			24.0	24.3	26.0	28.4	27.0											
225																		
226																41.1	41.2	
227																		
228			29.3	29.7	34.1	34.1	36.3	38.7	37.1	41.1		40.1	42.6	42.5	43.9	48.8	48.8	
229																		
230																45.6	45.6	

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	牛蒡沢	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
231																		
232																	55.7	42.0
233																		
234																	39.1	39.5
235																		
236																		
237				28.7	31.5	32.3	32.2	33.1	35.7	34.9	37.9		37.7	<u>40.6</u>	40.9	41.2	42.4	43.1
238																		
239																	44.6	46.0
240																		
241																	36.5	36.6
242																		
243																		
244																		
245		19.6															36.5	36.7
246																	40.8	42.0
247																	45.9	45.9
248																		
249																		
250																		
251				28.1	31.5	32.2	33.2	35.5	35.5	39.1			40.5	44.5	43.1	44.5	44.6	45.0
252																		
253		25.0															40.1	40.5
254																		
255																		
256																	40.2	40.7
257																	39.4	40.3
258																		
259									34.0	35.9			37.0	33.2				
260																		
261																		
262			23.5	22.6	27.2	28.1	28.3	29.5	31.0	31.9			31.2	29.6				
263																	35.5	
264																	38.0	38.2
265																		
266			28.3	29.5	32.2	32.7	32.8	34.9	33.9	36.0			37.6	39.7	39.6	41.3	41.6	41.8
267																		
268		23.7															36.5	37.5
269									35.0	34.9			35.9	41.5			37.6	38.7
270																		
271																		
272																	32.6	33.4
273																		
274																		
275																		
276																		
277																		
278																		
279																	39.7	39.7
280			25.3	26.2	30.1	29.5	30.4											
281																		
282																		
283																		
284																		
285		27.0																
286																		
287			27.8	28.6	31.4	31.7	33.4	30.6	34.8	35.5			35.9	36.6	37.3	38.5	38.5	40.4
288																		
289									33.0	33.3			35.1	34.1				
290																		
291																	37.8	38.5
292																		
293																		
294		25.0															39.4	38.8
295																		
296																		
297			27.4	28.2	32.2	32.2	38.9	35.8	36.1	39.0			39.0	38.6	40.1	43.3	44.4	44.4
298																	39.8	39.8
299																	36.4	37.7
300																		
301																		
302																	40.0	40.0
303			19.0	19.7													39.5	44.1
304									31.4	32.9			33.0	35.2				
305																	32.9	34.3
306																	37.5	39.3
307																		
308																		
309																	38.5	41.7
310																	39.9	41.8

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	牛蒡沢																		
	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105		
311	22.3																		
312																			
313																42.7	43.5		
314																32.8	40.2		
315																42.3	42.3		
316																			
317	23.6									35.0	35.3	36.2	40.5	40.0				39.7	
318																			
319																38.9	38.9		
320																			
321																			
322				29.0	27.1	30.0	30.4	30.9	34.7	35.0	36.7	37.6	37.8	35.8	39.9	40.1	40.1		
323																			
324																			
325																39.1	37.6		
326																			
327																			
328																33.9	36.2		
329																			
330																			
331				24.3	26.3	28.8	29.2	30.4	32.0	31.9	35.0	36.2	37.9	38.0	38.3	40.8	39.2		
332																36.7	41.9		
333																41.8	41.5		
334																34.5	36.9		
335																			
336																25.8	29.8		
337																			
338				23.3														31.6	33.7
339																			
340																			
341				21.3	25.3	27.1	28.8	26.9	29.1	30.0	31.9	31.8	30.3	33.8	35.0	35.5	34.8		
342																			
343																35.0	37.0		
344																			
345																30.8	33.0		
346																			
347																31.5	33.7		
348																			
349																34.6	38.7		
350																			
351																			
352																			
353				24.5	24.0	27.3	27.9	26.9	30.4	31.0	31.6	33.5	32.9						
354																			
355				23.2	23.1	26.2	27.6	26.3	29.3	29.4	32.5	31.7	28.9	33.4	37.2	37.9	34.1		
356																33.8	38.2		
357																			
358																			
359	20.9	21.9	22.1	26.2	25.1	26.0	28.3	28.4	30.6	29.7			32.3	31.5	34.4	35.5	34.9		
360																35.2	35.2		
361																			
362																			
363																38.4	39.4		
364																			
365																			
366																			
367				25.4	25.7	30.0	30.1	30.9	32.8	32.5	34.9	35.1	32.8	38.4	40.7	41.1	40.1		
368											33.0	34.9	34.0	35.1				37.5	37.0
369				22.5														35.7	37.1
370																			
371																35.9	38.1		
372																37.6	37.9		
373																			
374																36.1	36.0		
375				25.4	26.0	29.5	30.5	31.2	34.2	33.7	36.0	37.1	36.3	37.1	37.2	37.6	38.2		
376																			
377																35.5	36.3		
378																			
379																32.4	34.9		
380																			
381				27.0	24.3	28.1	29.2	28.9	30.8	32.1	33.2	32.7	35.0	35.5	38.4	38.1	36.9		
382																			
383																			
384																30.9	33.4		
385																36.8	37.6		
386																			
387																33.7	34.7		
388																34.2	33.7		
389																			
390				25.7	25.5	28.1	29.4	29.2	32.3	32.6	35.2	34.0	37.2	36.2	37.9	38.7	38.2		

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	牛蒡沢	35	38	43	45	52	55	60	65	70	75	78	80	86	91	95	101	105
391																		
392				20.2	17.4	20.1	18.7	23.1	20.6	21.1	21.2							
393																	34.2	36.2
394																		
395																		
396																	38.6	37.6
397																	38.3	34.3
398																		
399																		
400																		
401																		
402																		
403																	34.1	34.6
404										23.8	25.1		24.7	24.7				
405																		
406																	32.0	32.8
407																	32.0	34.7
408																	33.0	30.9
409																		
410																	31.5	31.9
411										26.3	26.9		29.1	31.3			31.6	32.0
412																		
413				18.7	18.3	20.3	20.6	20.5	22.2	22.5	21.8							
414																		
415			20.2														36.5	36.8
416																		
417			19.3														39.3	38.2
418				22.4	22.6	26.3	26.3	27.3	29.9	29.1	33.5		31.9	33.1	35.1	37.2	36.8	36.5
419										31.0	31.3		30.8	31.9		36.7	34.9	36.1
420																	40.0	38.8
421																		
422																	37.2	37.2
423			20.7															
424			16.8	20.1	19.4	22.5	22.6	23.0	23.7	26.5	33.4		26.1	29.3	28.4		33.9	30.5
425																	39.2	38.6
426			21.1	22.6	22.8	25.1	25.9	25.9	28.6	29.5					35.6		35.1	36.2
427																		
428																	32.8	32.7
429																	35.3	35.8
430																		
431			19.6														29.3	32.0
432																		
433																		
434																		
435																		
436																		
437																	36.8	36.2
438																	38.0	35.8
439																		
440																		
441																		
442																	39.4	39.4
443																	38.8	40.0
444																	42.4	42.4
445																		
446																		
447																	36.9	36.9
448			21.8							35.0								
449											32.2		33.8	34.7		38.8	36.9	38.6
450																	34.2	35.8
451																		
452			21.5														33.5	33.9
453																	35.1	35.5
454																	34.5	34.8
455																		
456																		
457																		
458																		

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

安野1号 スギ 面積 0.111 ha 1903 年植栽

年度 林齢 備考	1916	1921	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	既公表	既公表	既公表 間伐	既公表	既公表	既公表	既公表	既公表 間伐	既公表	既公表 間伐	既公表	既公表	既公表	既公表	既公表	既公表	既公表	cm単 位測定		
立木No. 1	7.90	9.10	10.60	11.50	12.65	14.75		20.10	21.10	22.80	24.70	26.70	28.70	29.30	31.10	33.40	35.50	38.00	39.60	41.55
2	8.50	10.30	11.40	11.60	12.70	13.80	18.30	17.50	18.85	20.65	23.05	23.00	23.65	22.90	23.40	23.20	23.40			
3	3.00	3.60	間伐																	
4	7.90	9.40	10.90	11.50	12.80	14.20	15.60	17.05	17.70	18.40	18.60	19.30	20.10	19.90	21.10	21.20	21.75	22.50	22.50	22.40
5	6.10	7.00	7.90	8.50	8.80	8.80	9.00	間伐												
6	6.10	7.00	7.80	8.15	9.10	9.35	9.75	間伐												
7	7.00	7.60	8.60	8.00	9.05	9.25	9.90	間伐												
8	7.00	8.50	9.40	9.90	11.05	12.05		15.10	16.00	17.15	18.45	19.20	20.70	21.25	22.75	24.00	25.65	27.00	27.80	28.70
9	10.00	11.20	12.80	13.35	14.70	15.80			20.05	21.50	22.80	23.35	24.45	24.80	26.25	27.20	28.90	30.50	31.50	31.70
10	7.00	8.20	9.40	9.90	11.00	12.15		14.25	14.80	15.05	15.70	15.85	16.10	15.65	16.35	16.00	16.35			
11	3.00	3.60	間伐																	
12	3.00	3.60	間伐																	
13	7.30	8.80	10.70	11.00	12.55	14.05	16.10	17.60	18.55	19.50	19.40	19.50	20.45	20.10	20.95	21.10	21.55	22.00	22.65	21.50
14	4.80	5.20	6.00	6.30	7.60	7.25	7.65	間伐												
15	7.30	9.10	10.30	10.10	11.85	12.00	13.00	間伐												
16	7.60	8.80	10.50	11.10	12.45	13.80	15.75	間伐												
17	6.40	7.60	9.20	9.60	10.40	10.85	10.85	間伐											38.55	40.15
18	7.60	8.80	11.10	12.75	15.05	17.20	20.15	23.10	23.75		26.55	28.25	30.30	30.75	32.55	34.70	34.75	38.00		
19	5.80	6.70	8.00	8.00	9.20	9.00	9.15	間伐												
20	8.20	10.00	12.40	14.25	16.55	18.45	22.90	26.00	27.45	29.35	31.00	31.65	33.85	33.55	35.00	36.00	37.10			
21	7.30	7.90	8.60	8.80	10.15	10.35	11.00	11.40	11.75	12.05	12.15	11.75	11.55	11.30	11.50					
22	4.50	4.50	間伐																	
23	6.70	8.20	10.00	11.15	13.05	14.65	17.50	20.10	22.60	24.45	26.80	28.50	31.75	32.60	34.10	37.50	39.20	43.00	44.15	46.60
24	8.80	10.30	12.00	12.60	13.65	14.70	16.20	間伐												
25	7.00	7.60	8.80	9.65	11.00	12.00	17.50	間伐												
26	3.30	3.60	間伐																	
27	4.80	5.20	間伐																	
28	6.10	7.00	7.70	8.00	8.50	8.80	8.85	間伐												
29	6.70	8.80	10.00																	
30	7.30	9.40	11.50	12.90	15.40	17.70	21.45	23.50	24.90	26.75	28.70	29.60	31.20	31.10	32.15	33.30	34.50	35.00	35.25	35.55
31	3.60	3.90	間伐																	
32	6.70	7.60	8.90	9.30	10.05	10.40	10.95	間伐												
33	4.80	8.50	9.80	9.60	10.20	10.40	10.35	10.45	10.35	間伐										
34	6.70	7.30	7.80	7.90	8.30	8.65	9.00	間伐										24.00	24.55	25.90
35	10.30	12.40	14.50	15.90	18.00	20.35	23.75	26.60	28.20	29.80	31.20	32.20	33.30	33.30	34.00	34.75	36.10	37.00	36.65	37.30
36	4.50	5.20	間伐																	
37	6.40	7.60	8.60	9.10	10.30	11.00	12.35	13.65	14.45	15.10	15.95	16.80	18.30	18.55	19.40	21.00	22.50			
38	6.70	7.00	7.60	7.50	8.55	8.05														
39	4.50	4.50	5.60	5.60	5.90	6.20	7.00	間伐												
40	6.70	7.60	8.70	9.50	10.35	11.35	13.05	14.35	14.80	15.45	16.20	16.55	16.80	17.10	17.60	18.60	19.45	20.50	20.15	20.25
41	7.90	9.10	10.20	9.90	10.65	11.90	13.00	間伐												
42	7.30	8.50	9.80	10.40	11.65	12.80	14.00	14.90	15.65	15.30	15.90	15.90	16.40	15.95	16.55	17.10	16.95	17.00		
43	8.80	9.40	10.50	10.20	11.00	11.60														
44	6.70	7.60	8.60	9.20	10.25	11.25	13.00	14.10	15.15	16.90	17.65	18.85	20.75	21.20	23.60	24.65	26.60	28.00	29.50	30.75
45	5.20	6.10	6.40	6.90	7.65	7.65	8.00	間伐												
46	4.20	5.20	6.10	7.05	8.40	9.70	11.10													
47	4.50	4.80	間伐																	
48	7.00	7.90	9.80	8.70	9.60	10.00	10.55	10.65	10.80	間伐										
49	7.00	8.50	9.20	10.95	12.25	13.45	14.95	15.00	15.10	15.25	15.50	15.25	15.25	14.70	14.90					
50	7.00	8.20	8.90	9.90	12.10	13.85	16.50	18.15	19.70	21.55	24.30	26.80	30.10	31.50	32.90	36.00	38.65	41.50	43.30	45.60
51	8.20	9.40	11.30	11.90	13.50	15.10	17.20	間伐												
52	7.00	7.90	9.40	9.50	10.85	11.65	13.25	14.90	15.50	15.70	16.40	16.70	17.15	19.95	17.50	17.80	18.05	18.50	17.80	18.10
53	6.40	7.00	8.20	9.35	11.15	12.85	15.55	17.60	18.70	20.20	21.25	22.30	23.80	23.55	24.35	25.70	26.40	27.00	26.95	27.25
54	6.10	7.00	8.20	9.55	11.10	12.30	14.00	14.80	15.20	15.40	15.90	16.70	<u>17.55</u>	17.20	17.55	18.30	18.95	20.00	19.55	20.35
55	6.70	8.20	9.10	9.50	10.25	11.60	11.80	間伐												
56	7.90	9.10	10.20	10.40	11.85	13.75	14.65	15.70	16.35	16.55	17.25	17.40	17.55	17.15	17.65	17.90	17.80	18.50		
57	3.60	3.90	間伐																	
58	7.60	9.10	11.20	12.60	14.35	15.70	17.25	18.10	18.90	18.30	18.70	19.75	20.30	19.95	21.20	21.10	21.30	22.50	21.65	21.80
59	8.20	9.10	10.60	11.10	13.00	14.20	15.40	17.00	17.55	18.70	19.50									
60	6.70	7.60	8.80	9.60	11.20	12.25	14.40	15.70	16.65	17.75	<u>18.80</u>	19.85	21.55	21.90	23.30	24.20	25.60	27.50	28.25	30.50
61	6.40	7.90	9.20	10.00	10.85	11.20	12.00	12.30		間伐										
62	7.00	8.20	9.20	9.75	11.25	12.65	15.50	17.85	19.15	21.00	23.40	25.70	28.55	29.05	31.00	32.65	34.80	37.50	38.60	41.10
63	5.20	5.50	5.90	6.05	6.10	6.35	6.90	間伐												
64	5.80	7.00	7.80	7.75	8.85	8.85	9.30	9.30	9.90	9.55										
65	6.40	7.60	8.50	9.90	10.30	11.30	13.35	14.00	14.95	15.15	15.65	15.60	15.25							
66	5.80	6.40	7.00	6.30	8.25	8.10	8.50	間伐												
67	5.20	6.10	6.70	7.15	8.45	8.60	9.00	間伐												
68	5.80	6.70	7.30	7.40	8.35	8.25	8.50	間伐												
69	5.80	7.00	8.00	8.75	10.30	11.45	13.25	14.65	15.45	16.60	17.75	18.75	19.75	19.90	21.20	22.20	23.20	24.50	24.75	25.35
70	7.90	9.40	10.80	11.15	13.30	14.10	16.00	16.80	17.70	18.15	18.30	18.65	19.60	19.50	20.45	20.80	21.65	22.00	22.00	22.40



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71	7.00	8.20	9.00	8.70	9.15	9.25	9.50	間伐												
72	6.10	6.70	7.30	7.50	8.65	9.30	9.95	10.00	10.30	間伐										
73	9.40	11.20	13.10	13.40	15.35	17.25	19.40	20.90	21.60	22.70	23.25	23.75	24.10	24.45	25.65	26.10	26.60	27.50	27.45	27.55
74	5.50	6.40	6.20	6.15	6.35															
75	6.10	7.00	8.00	8.55	10.85	11.65	13.55	14.80	15.15	15.50	15.85	15.95	16.20	15.95	16.40	16.60	16.65	17.00	16.80	17.00
76	7.00	8.20	9.40	10.05	11.25	12.50	15.70	18.60	20.10	21.50	23.95	25.60	28.15	29.10	30.90	33.40	35.20	38.00	39.20	41.25
77	7.00	7.60	7.90	8.10	9.55	9.30	9.90	間伐												
78	7.90	9.70	10.90	11.65	12.95	14.85	18.55	20.05	21.10	22.30	24.10	25.35	26.80	26.85	28.05	29.75	30.90	33.00	33.55	34.65
79	8.20	8.80	9.40	9.50	10.65	11.65	13.70	14.70	15.25	16.05	17.50	18.10	19.40	19.75	20.70	23.00	24.55	26.00	27.75	30.35
80	5.20	5.80	間伐																	
81	7.60	13.00	14.40	14.95	16.55	18.10	20.50	21.40	22.35	23.60	25.25	25.95	27.65	27.90	29.40	31.00	32.80	34.50	34.85	36.30
82	6.40	7.60	8.60	8.35	9.20	9.85	10.40	間伐												
83	6.70	7.60	8.30	8.20	8.30	8.30														
84	6.40	7.30	8.20	7.50	8.30	8.60	8.80	間伐												
85	6.70	7.30	7.70	7.55	8.40	8.50	8.90	間伐												
86	7.00	7.90	8.90	9.60	10.65	11.95	13.30	14.15	14.75	15.00	15.40	15.50	15.80	15.45	16.10	16.00	16.00	16.50	15.90	16.15
87	5.20	6.10	6.70	6.75	7.15	7.45	7.45	間伐												
88	4.50	6.10	6.80	7.35	8.60	9.85	11.15	12.60	13.40	14.25	15.55	16.35	17.55	17.60	18.65	19.15	20.00	21.00	20.50	20.95
89	7.30	8.50	9.40	9.45	10.45	11.35	12.60	間伐												
90	5.80	6.40	6.70	6.80	7.20	7.40	間伐													
91	6.40	7.00	7.70	8.20	9.00	9.55	10.05	間伐												
92	7.00	8.80	10.50	11.00	13.00	14.60	17.35	19.25	20.70	22.25	24.15	25.85	27.80	28.70	30.35	33.15	35.45	38.00	39.00	41.40
93	7.00	8.20	10.20	11.15	13.25	14.90	17.35	18.80	19.80	21.00	22.45	22.90	23.45	23.55	24.45	25.20	26.15	27.00	27.10	27.70
94	9.10	10.90	13.00	14.95	17.50	19.90	22.90	24.80	26.20	27.15	29.10	30.45	31.95	32.00	33.65	34.50	34.75	36.50	36.75	37.55
95	7.90	9.10	10.50	10.30	11.75	11.95	12.75	間伐												
96	5.50	6.40	7.00	7.10	7.60	8.05	8.20	間伐												
97	7.90	10.00	11.70	12.45	13.30	14.25	15.35	間伐												
98	5.80	6.40	間伐																	
99	6.10	7.30	8.20	8.20	8.55	8.80	8.80	間伐												
100	7.90	10.00	12.10	13.70	16.00	18.50	22.10	24.45	25.50	27.05	29.30	30.40	32.40	32.30	33.80	35.10	36.60	38.00	38.55	39.75
101	6.10	7.30	8.50	8.70	9.95	9.95	10.45	間伐												
102	6.70	8.20	10.00	11.00	12.60	13.70	14.90	15.75	16.30	18.00	19.60	21.50	23.40	24.45	26.00	28.40	30.55	32.50	34.05	35.95
103	7.60	8.80	10.20	9.85	11.20	11.90	12.90	13.50	13.80	13.90	14.10	14.10	13.60	13.35	13.95	13.90	13.75			
104	7.90	9.10	10.60	9.45	10.70	11.10	11.45	間伐												
105	7.00	7.00	7.70	9.00	8.85	9.25	9.95	間伐												
106	7.30	8.20	9.10	9.50	10.60	11.60	12.40	12.70	12.90	12.35	12.70	12.50	12.55	12.15	12.60					
107	9.10	11.20	12.00	12.20	13.35	14.10	15.25	15.80	16.20	16.60	17.10	17.45	17.55	17.35	18.20	18.20	18.10	19.00	18.30	18.45
108	8.20	9.70	11.10	12.15	13.20	14.55	16.70	18.30	19.25	19.80	21.20	21.50	22.35	22.00	23.10	23.50	24.10	24.50	24.15	24.65
109	4.50	5.80	6.90	7.85	9.20	10.65	13.15	14.95	15.80	17.00	18.30	19.15	20.35	20.50	22.35	23.80	24.80	26.50	27.15	27.75
110	9.40	10.90	12.00	12.05	13.10	13.90	14.05	14.95	15.10	15.15	15.35	15.20	15.20	14.70						
111	5.50	6.40	6.70	6.50	7.45	7.90	8.40	間伐												
112	8.50	9.70	10.50	11.00	11.75	12.90	14.20	15.00	15.00	15.45	15.50	15.40	15.60	15.05	15.45	15.40				
113	6.70	7.60	8.00	7.90	8.00	7.95														
114	7.60	9.10	10.50	10.05	11.70	12.70	14.40	15.30	15.35	16.50	17.55	17.95	18.05	18.05	18.50	19.10	19.00	20.00	20.00	20.50
115	8.20	10.60	12.40	14.00	16.30	19.10	25.75	28.20	29.70	32.25	34.60	36.65	39.20	38.85	40.25	43.70	47.50	49.50	50.95	52.60
116	5.50	9.10	10.80	11.65	12.55	13.40	14.90	間伐												
117	7.00																			
118	8.20	9.40	10.20	10.05	10.40	10.50														
119	3.90	5.20	間伐																	
120	5.80	6.40	6.70	6.50	6.80	6.90														
121	7.00	7.90	8.90	9.25	9.65	10.25	10.35	10.70	10.95	10.65	10.70									
122	9.70	11.80	13.20	13.30	14.60	15.80	17.50	18.45	19.35	19.85	20.50	21.15	22.05	21.75	22.55	23.75	24.85	26.00	26.10	26.80
123	8.20	9.40	10.30	10.50	11.25	11.65	11.90	間伐												
124	7.90	10.00	12.10	12.95	14.40	16.15	18.50	19.50	20.30	20.35	20.90	21.15	20.80	20.20	21.20	21.70	21.75	22.50	21.95	22.05
125	8.20	10.00	11.10	10.50	11.95	12.80	13.85	14.20	14.45	14.45	14.50	14.30								
126	6.40	8.10	9.90	11.25	13.15	15.45	19.95	22.50	24.00	25.25	27.35	28.10	29.30	29.25	30.05	31.90	33.50	35.00	34.85	35.90
127	8.50	10.00	11.30	11.20	11.95	12.45	13.05	12.90	12.85	12.70	12.70	12.60	12.50							
128	7.30	8.20	9.20	9.50	9.85	10.35	10.80	間伐												
129	7.30	8.20	8.70	8.85	9.35	9.55	9.60	間伐												
130	3.90	4.20	間伐																	
131	9.40	11.50	14.10	14.70	17.80	19.95	23.75	25.40	26.75	28.15	30.10	31.35	33.50	33.45	34.95	37.35	39.30	41.50	42.55	45.00
132	5.50	6.10	6.40	6.70	6.85	6.90	6.95	間伐												
133	5.20	5.50	間伐																	
134	4.50	5.20	間伐																	
135	7.00	8.50	10.30	11.15	12.70	14.20	15.90	17.05	18.15	19.00	20.40	21.60	22.75	22.90	24.10	25.40	26.55	28.00	28.10	29.05
136	6.10	7.30	7.90	8.35	9.10	9.85	10.55	間伐												
137	7.90	9.70	11.20	11.60	12.75	13.75	15.50	16.80	17.30	18.10	18.70	19.70	20.55	20.45	21.15	22.00	22.35	23.00	23.10	23.45
138	6.70	8.20	9.50	9.90	11.15	12.50	14.95	16.60	17.55	19.05	21.30	23.70	26.85	27.70	29.80	32.40	35.90	39.00	40.80	43.10
139	4.80	6.40	7.90	8.75	9.65	10.60	12.05	12.90	13.60	13.90	14.40	14.45	14.55	14.15	14.40	14.70	14.70	15.00	14.55	14.70
140	8.50	9.10	9.80	9.65	9.85	10.25	10.55	間伐				19.95	20.60		21.00	22.00	22.80	23.50	23.60	24.00
141	6.70	7.90	9.40	9.50	10.75	11.95	13.60	14.00		14.50	14.95	14.90	15.30	14.65	15.30	14.60	14.90			
142	6.40	7.60	8.60	8.60	9.00	9.15	9.40	間伐												
143	8.20	10.30	12.30	13.20	14.20	15.35	16.45	17.10	17.75	18.35	19.15									
144	7.00	7.90	8.60	8.60	8.95	9.25	9.55	間伐												
145	5.20	6.40	7.10																	

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
151	8.50	10.30	11.50																	
152	4.50	5.50	間伐																	
153	5.20	7.60	9.30	9.90	11.20	11.65														
154	6.40	8.20	9.70	10.35	11.35	12.20	12.35	間伐												
155	9.10	11.80	13.80	14.90	16.40	18.65	22.50	24.35	25.60	26.75	28.35	30.00	31.60	32.25	32.45	34.30	35.40	37.50	38.60	39.20
156	7.90	10.60	12.10	12.75	14.20	16.10	18.40	20.65	21.40	21.75	23.00	23.70	24.80	24.70	25.50	26.55	27.55	28.50	26.20	29.15
157	4.80	7.00	間伐																	
158	4.20	6.10	間伐																	
159	8.50	11.50	13.70	14.85	16.55	18.70	22.05	22.70	24.35	23.90	25.10	25.20	26.65	25.70	26.45	27.60	28.20	29.50	29.55	30.00
160	7.00	8.80	10.60	12.00	13.40	15.15	17.65	18.65	19.25	19.70	20.15	20.50	20.90	20.65	21.80	21.90	21.80	23.00	22.10	22.35
161	7.00	9.40	10.90	12.10	13.35	14.70	17.30	19.15	20.10	21.45	23.40	24.85	27.25	27.70	28.70	31.60	34.35	36.50	38.10	41.15
162	6.70	7.90	9.30	11.20	11.50	13.00	13.95	間伐												
163	7.30	9.40	11.10	11.20	12.65	13.60	15.10	15.60	16.15	16.30	16.55	16.65	16.90	16.35	16.80	17.00	16.65	17.50		
164	7.60	9.10	10.50	10.30	11.30	11.80	12.70	12.75	12.85	12.50	12.80	12.85	12.80	12.45	12.80	13.10				
165	6.70	8.20	9.60	10.30	11.35	13.00		14.45		14.85	15.25	15.05	15.10	14.55	15.20	15.00	14.85			
166	5.20	6.70	7.40	7.30	7.55	7.65	8.00	間伐												
167	5.20	6.10	6.90	7.05																
168	7.90	9.10	10.50	10.70	11.80	12.70		13.70	13.80	13.75	14.00	13.90	13.90	13.35	13.70					
169	3.90	4.50	間伐																	
170	9.40	11.80	14.00	14.50	16.90	16.95	18.90	20.70	21.65	22.30	23.25	24.25	25.90	25.95	26.75	27.60	28.10	29.00	28.40	28.75
171	5.80	6.70	7.30	7.00	7.35	7.50	7.30	間伐												
172	4.80	6.40	7.60	7.85	8.40	9.20	10.45	間伐												
173	6.70	8.50	9.80	9.00	11.15	12.10	12.95	13.50	13.60	13.55	14.00	13.80	14.15	13.65	14.30	14.25				
174	6.70	8.20	9.20	9.35	10.15	10.90	12.00	12.20	12.85	13.10	13.65	13.75	14.10	13.90	14.65	14.65	14.95	15.00	14.80	14.90
175	6.10	7.00	間伐																	
176	3.30	4.80	間伐																	
177	4.50	5.80	間伐																	
178	7.30	8.80	10.00	9.50	10.30	10.95	11.20	間伐												
179	7.90	9.70	11.70	12.75	14.10	15.85	19.10	21.50	22.45	24.65	25.90	29.35	32.85	33.70	35.95	38.40	41.35	43.50	45.60	47.25
180	4.50	6.10	6.50	6.70	7.60	8.25	9.40	9.20	9.80	間伐										
181	3.60	8.50	9.70	10.25	11.05	11.50	12.00	間伐												
182	6.70	8.80	10.60	11.05	12.00	13.00	13.60	17.65	18.85	20.20	21.20	22.65	24.45	24.65	26.25	27.40	29.25	31.00	32.05	34.30
183	4.20	6.10	間伐																	
184	4.50	7.30	8.20	8.95	9.85	10.35	10.85	間伐												
185	7.00	10.30	12.30	13.70	15.55	17.65	21.25	23.35	24.80	25.10	26.90	28.80	31.30	32.05	34.00	36.85	39.65	42.00	44.40	46.50
186	7.00	7.90	9.40	10.10	11.10	12.75	14.40	14.30	14.70	14.75	15.00	14.75	14.55	14.35	14.80	14.80	14.75			
187	7.00	8.50	9.20	9.50	9.80	9.80	10.30	間伐												
188	9.40	12.10	13.90	14.60	16.15	17.90	20.25	21.90	22.75	23.65	24.55	26.30	28.40	28.40	29.85	31.00	32.30	33.50	34.00	35.10
189	6.10	7.00	7.60	7.40	7.40	7.60	7.65	間伐												
190	3.00	3.90	間伐																	
191	5.80	6.70	7.10	6.75	7.05	7.10														
192	6.40	7.90	9.10	9.80	11.25	12.65	14.90	15.55	16.10	間伐										
193	5.80	7.60	9.20	10.40	11.85	13.00	14.65	15.25	15.95	16.55	17.60	18.65	19.60	19.90	20.70	21.40	22.05	23.50	23.55	24.10
194	3.70	3.00	間伐																	
195	7.90	10.00	11.80	13.40	15.10	17.65	22.40	24.25	26.50	28.95	31.40	34.45	37.90	39.55	41.30	43.80	46.55	49.50	51.25	53.85
196	7.90	9.40	11.10	11.85	12.65	13.75	15.00	14.85	14.95	14.90	15.40	15.35	15.20	14.70	15.40	15.00				
197	7.30	9.40	11.20	12.10	13.50	15.30	17.20	19.80	21.30	23.85		29.85	33.75	34.70	36.60	39.20	40.45	44.00	46.25	47.80
198	6.40	6.70	7.10	7.00	7.25	7.15	7.20	間伐												
199	5.80	6.40	7.30	7.00	8.25	9.15	9.15	間伐												
200	4.50	5.20	間伐																	
201	6.40	7.30	8.60	8.85	9.35	10.05	11.15	間伐												
202	6.10	7.30	8.80	9.60	10.60	11.40	12.85	間伐												
203	5.80	7.30	8.90	10.35	12.35	15.10	19.55	22.40	23.70	24.90	27.45	28.45	30.05	30.30	31.75	33.00	35.15	36.50	37.85	39.05
204	6.40	8.20	10.90	13.05	15.00	17.35	21.00	23.50	25.10	26.50	27.95	28.90	29.80	29.90	31.30	32.75	33.30	35.00	36.10	36.70
205	7.60	9.10	10.50	11.00	11.95	12.80	14.40	14.95	15.30	15.70	16.25	16.35	16.90	16.70	17.10	17.60	17.50	18.50	18.00	17.90
206	7.90	9.70	11.40	11.75	12.90	14.00	15.35	間伐												
207	5.80	6.70	8.00	8.00	8.75	9.00	9.80	間伐												
208	6.70	8.20	10.10	11.00	12.35	13.55	14.70	15.60	16.05	16.35		17.00	16.90	16.90	17.65	17.70	17.40	18.50		
209	5.80	6.70	7.70	8.35	8.95	9.90	10.55	間伐												
210	7.30	7.90	7.60	8.50	8.50	8.65	8.80	間伐												
211	8.20	9.70	11.70	12.60	13.65	14.50	15.60	15.80	16.30	16.10	16.40	15.85								
212	7.30	8.20	9.40	10.20	11.45	12.90	15.35	17.40	18.65	19.55	20.40	21.05	22.15	22.20	23.30	24.05	24.30	25.50	25.65	25.75
213	4.80	5.80	間伐																	
214	5.50	6.40	間伐																	
215	6.70	7.90	8.80	8.95	10.50	10.55	11.00	11.05	11.25	11.15	11.30	11.25	11.05	10.80	11.15					
216	3.60	3.90	間伐																	
217	7.60	9.10	9.90	9.90	10.65	10.90	11.30	間伐												
218	5.80	6.70	7.10	7.25	7.85	8.00	8.15	間伐												
219	7.90	9.40	11.40	12.90	14.55	16.50	18.70	21.30	22.85	24.20	25.55	27.10	28.55	28.45	29.90	30.90	30.95	32.50	33.35	33.35
220	7.60	9.40	11.40	12.85	14.60	17.05	20.70	23.60	26.10	27.00	29.15	30.65	33.10	33.40	35.10	37.00	38.00	41.00	43.00	43.65
221	5.20	6.40	間伐																	
222	5.50	6.40	間伐																	
223	6.70	7.60	8.30	8.45	9.45	9.20	9.30	間伐												
224	8.80	10.30	12.30	13.85	15.60	17.05	20.35	21.85	22.65	23.00	23.70	24.05	25.10	24.40	25.50	26.15	27.00	27.50	27.50	27.80
225	10.30	11.80	14.00	15.00	17.15	18.70	22.20	23.65	24.60	25.50	26.40	27.50	29.35	29.00	30.55	31.40	32.20	34.00	34.10	35.25
226	7.30	8.20	9.80	10.50	11.70	12.80	15.15	16.05	17.25	17.55	17.90	18.20	18.05	17.85	17.85	18.55	18.00	18.50		
227	10.60																			

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
231	9.40	10.00	10.80	11.30	11.45	0.00														
232	6.10	6.40	6.80	6.50	6.70	6.80	6.75	間伐												
233	5.50	6.70	7.30	7.80	8.25	8.55	9.00	間伐												
234	5.50	6.70	間伐																	
235	5.50	7.60	9.10	10.30	11.85	13.60	15.55	17.20	18.00	18.90	19.55	20.15	20.50	20.30	20.80	21.50	20.55	23.50	23.05	23.30
236	5.80	7.30	8.60	9.75	11.05	12.00	13.65	間伐												
237	7.60	8.80	10.20	10.50	11.15	11.55	12.15	11.95	12.15	12.10	12.15	12.05	11.85	11.85	12.20					
238	6.70	7.60	8.60	9.50	10.60	11.55	13.45	14.90	16.15	16.85	18.10	18.70	19.70	19.65	20.70	21.25	21.90	23.00	23.05	23.65
239	5.20	5.80	6.70	6.85	7.00	7.15	7.35	間伐												
240	6.40	8.50	10.80	11.50	13.10	14.80	17.25	18.90	19.55	20.15	20.50	20.65	20.75	20.40	21.00	21.35	21.35	21.50		
241	5.20	6.10	7.00	7.10	7.50	7.90	8.45	間伐												
242	5.20	6.70	8.00	9.05	10.85	12.55	15.15	16.85	17.85	18.55	19.30	19.85	20.25	20.30	20.75	21.35	21.65	22.00	21.90	21.90
243	3.60	3.90	間伐																	
244	6.10	6.70	7.40	7.35	7.45	7.60	7.65	間伐												
245	7.60	8.80	9.90	10.25	11.25	12.10	13.25	間伐												
246	6.10	7.30	8.00	8.25	8.70	8.95	9.25	間伐												
247	6.70	8.50	8.90	9.50	9.20	9.35	9.20	間伐												
248	6.70	8.20	9.10	9.30	10.20	10.95	11.60	11.80	11.85	11.55	11.90	11.75	11.65							
249	8.20	10.90	11.90	13.00	13.20	14.40	15.90	16.20	16.80	17.50	18.65	19.35	20.75	20.95	22.45	23.60	24.75	26.00	26.50	27.00
250	7.30	9.10	10.20	10.30	11.65	13.85	15.95	16.70	17.45	18.05	19.00	19.85	20.65	20.95	21.85	22.55	23.20	24.00	24.15	24.30
251	5.50	6.70	7.10	7.30	7.85	8.35	8.85	間伐												
252	4.50	4.80	間伐																	
253	5.20	6.10	6.40	6.55	6.45	6.75														
254	8.20	10.00	11.90	12.70	14.40	15.75	15.85	16.45	16.40	16.55	16.20	16.35	16.10	15.70	16.15					
255	6.10	7.60	9.10	9.75	11.55	12.95	14.60	14.95	15.40	16.00	16.20	16.30	16.95	17.25	18.05	18.30	18.65	19.00	19.10	19.10
256	7.90	10.00	11.50	12.80	14.50	17.10	20.40	21.50	23.75	26.05	28.00	30.85	33.95	34.90	36.85	40.15	44.00	44.50	46.90	48.40
257	4.80	6.40	間伐																	
258	3.00	3.60	間伐																	
259	8.80	10.60	12.40	13.20	14.35	15.60	17.50	18.40	19.25	20.05	21.60	22.40	23.45	23.65	25.30	26.40	27.50	27.50	28.30	28.10
260	5.50	6.70	間伐																	
261	5.50	7.30	8.00	7.95	8.75	9.05	9.70	間伐												
262	7.90	10.00	12.10	13.10	15.00	16.70	19.45	21.35	22.70	24.70	25.55	26.45	28.80	28.20	29.20	30.75	32.10	33.00	33.35	34.50
263	5.20	5.50	間伐																	
264	8.20	10.00	12.10	13.70	15.10	16.20	17.75	18.70	19.50	20.00	20.75	21.45	21.95	22.05	22.80	23.85	24.65	25.50	25.80	26.20
265	7.00	8.50	10.20	10.00	11.60	12.75	13.20	13.60		14.70	15.05	15.05	15.75	15.55	15.95	16.65	16.55	17.00	16.90	16.80
266	3.00	3.60	間伐																	
267	6.10	7.30	8.90	9.80	10.80	11.65	13.20	14.15	14.70	14.90	15.50	15.80	16.10	15.90	16.60	16.65	16.60	17.00	16.85	
268	4.50	5.80	間伐																	
269	4.20	4.80	間伐																	
270	4.50	5.20	間伐																	
271	7.30	9.70	11.20	12.55	14.15	15.95	20.10	23.10	24.75	27.80	29.70	31.65	33.75	33.00	33.95	37.45	39.60	41.50	42.35	43.85
272	8.80	10.60	12.90	14.00	16.15	17.95	20.55	21.85	22.75	23.80	24.65	25.25	25.70	25.90	27.10	28.40	28.45	30.50	31.00	30.55
273	6.70	7.90	9.10	9.50	10.35	10.90	11.60	間伐												
274	9.10	10.90	12.30	12.80	13.50	14.10	15.35	15.80	15.90	16.10	16.35	16.15	15.95							
275	10.90	13.60	15.20	15.75	16.55	17.10	17.85	間伐												
276	6.10	7.30	8.30	9.00	9.90	10.75	12.05	13.00	13.45	13.90	14.30	14.85	15.50	15.30	15.65	16.15	16.30	17.00	16.50	16.45
277	6.40	7.00	間伐																	
278	11.20	13.90	16.10	17.80	19.50	20.90	22.90	25.55	27.15	28.25	30.15	31.80	33.90	34.35	36.00	37.85	39.30	41.00	43.35	44.45
279	4.20	4.80	間伐																	
280	9.40	10.30	11.40	12.40	13.45	14.50	16.20	16.85	17.25	17.10	17.45	17.25								
281	8.80	9.70	10.30	10.55	11.35	11.75	12.20	間伐												
282	9.40	10.60	12.00	13.00	14.55	16.00	18.50	20.30	21.60	23.15	25.00	25.40	27.45	26.80	28.00	29.40	30.60	31.50	31.70	32.35
283	5.80	6.10	間伐																	
284	6.40	7.90	9.20	9.70	10.35	10.90	11.15	間伐												
285	5.50	6.40	間伐																	
286	9.70	12.10	14.20	15.90	17.80	19.90	21.95	25.15	26.05	27.00	28.00	29.40	30.75	30.40	31.70	33.20	34.35	36.00	35.80	36.80
287	7.60	8.80	9.80	9.50	11.35	12.15	12.60	間伐												
288	8.20	10.30	間伐																	
289	8.20	9.40	9.70	10.05	10.20	10.40	10.55													
290	8.80	9.70	10.60	10.00	11.00	10.80	11.00	間伐												
291	8.20	9.40	10.80	11.45	11.25	12.75	13.60	間伐												
292	6.10	7.00	間伐																	
293	5.20	5.80	間伐																	
294	7.90	9.10	9.80	9.50	9.75	9.75	9.90	間伐												
295	13.00	15.20	16.70	16.85	18.00	19.05	21.05	21.85	22.40	23.05	24.10	23.95	24.40	24.00	24.65	25.30	25.25	26.00	25.85	25.55
296	7.30	7.90	間伐																	
297	9.10	10.60	12.10	11.35	12.50	13.10	13.70	間伐												
298	12.70	15.20	18.00	19.75	22.20	24.55	28.15													
299	6.40	7.00	間伐																	
300	10.00	11.80	13.90	15.05	16.35	18.65	21.50	24.50	26.15	27.70	29.50	29.80	30.80	30.95	32.45	33.70	34.95	36.50	36.35	37.35
301	9.10	11.50	13.00	14.75	16.40	17.85	21.70	間伐												
302	9.40	10.00	10.50	10.25	10.45	10.80														
303	9.70	11.80	13.30	13.60	14.75	16.05	17.60													
304	9.10	11.20	13.00	14.50	15.65	17.20	19.95	22.00	23.70	23.95	25.25	26.40	28.00	27.60	28.70	29.70	30.40	31.00	31.55	31.95
305	9.70	12.10	14.10	15.10	16.80	17.95	20.95	間伐												
306	9.10	10.90	12.10	13.20	14.45	15.30	17.25	間伐												
307	7.90	8.80	9.20	9.25	9.55	9.80														
308	9.10	10.60	12.60	13.80	15.00	16.40	19.05	21.05	22.35	23.10	24.25	24.35	25.20	24.60	25.55	26.10	25.25	26.50	26.70	26.75
309	5.20	5.50	間伐																	
310	8.80	10.30	11.90	12.75	13.55	14.85	15.45	15.95	17.10	16.65	16.80	16.75</								

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
311	8.80	10.90	12.90	14.70	16.55	18.35	22.25	24.40	25.75	28.10	30.50	32.45	34.85	35.75	37.80	39.85	41.50	45.00	46.85	48.85
312	5.80	7.00	間伐																	
313	7.60	9.10	10.90	11.70	12.20	13.20	14.25	間伐												
314	8.80	10.30	12.00	13.35	15.40	16.95	19.75	21.20	22.30	23.55	24.65	25.35	26.25	25.75	26.85	27.00	27.30	27.50	27.15	27.15
315	7.00	9.10	10.40	11.20	12.50	13.90	17.10	18.75	20.25	22.50	24.60	26.55	30.20	30.95	33.30	36.60	38.85	41.00	41.85	43.50
316	4.50	5.20	間伐																	
317	7.90	9.10	10.40	10.50	11.40	11.85	12.90	間伐												
318	5.50	6.10	6.50	6.50	6.80	6.95														
319	9.40	11.50	12.30	12.20	12.75	13.70	14.90		15.75	15.65	16.35	16.55	17.05	16.80	17.45	15.25	17.70	18.00	17.60	
320	7.60	8.50	9.20	9.00	9.80	10.30	10.30	間伐												
321	6.40	7.90	8.80	9.30	10.40	11.10	11.90	間伐												
322	10.90	12.70	14.80	15.85	17.75	19.45	22.60	23.90	24.35	25.90	27.50	28.25	29.60	29.20	30.15	31.30	32.10	33.00	33.55	33.30
323	5.20	6.40	間伐																	
324	4.80	6.40	7.30	7.50	8.00	8.20	8.55	間伐												
325	6.70	8.50	9.40	9.90	10.70	11.15	12.35	11.90	12.70	間伐										
326	6.10	8.50	9.70	10.90	11.75	13.05	14.15	14.55	15.20	15.40	15.50	15.25	14.95		15.00					
327	4.80	5.50	間伐																	
328	7.30	8.80	9.90	10.30	11.10	11.90	12.75	間伐												
329	8.20	10.30	11.40	12.30	14.10	13.85	14.95	15.10	15.45	15.40	16.85	16.05	16.15	15.50	16.15					
330	7.00	8.80	9.40	9.90	10.60	11.25	12.05	間伐												
331	7.60	10.60	12.90	14.65	16.70	19.05	22.60	24.90	26.10	28.65	31.50	33.15	34.95	35.40	37.20	38.95	40.85	42.50	43.75	46.15
332	3.30	5.20	間伐																	
333	5.20	6.40	7.00	7.20	7.35	7.55	7.90	間伐												
334	8.20	10.00	10.80	10.50	11.55	12.40	12.85	間伐												
335	4.20	4.80	間伐																	
336	5.50	6.70	7.50	8.00	8.70	9.35	10.70	間伐												
337	8.80	10.90	12.00	13.25	14.15	15.35	17.95	19.45	20.80	22.15	23.35	24.80	26.40	26.60	27.50	29.00	29.95	31.00	31.00	31.75
338	6.40	7.30	7.70	7.80	8.15	8.50	8.50	間伐												
339	7.30	9.10	10.50	10.95	11.85	12.30	13.00	間伐												
340	3.60	7.00	間伐																	
341	10.00	12.10	14.20	15.00	16.10	16.65	17.30	17.20	17.70	17.55	17.75	17.45	17.05							
342	8.50	10.00	11.00	11.50	12.45	13.55	14.95	16.05	17.45	17.80	19.50	20.20	21.65	21.90	22.60	23.65	24.50	25.50	25.50	25.70
343	6.70	7.90	間伐																	
344	9.10	10.30	11.00	10.50	10.75	10.55	10.75	間伐												
345	7.60	9.70	11.70	12.75	14.35	15.70	17.85	17.50	18.30	18.50	19.30	19.25	19.50	19.00	19.20	19.65				
346	9.10	10.30	11.10	11.25	11.90	12.40	13.00	13.40	13.85	間伐										
347	7.00	7.90	8.20	8.60	8.60	8.80	9.15	間伐												
348	11.80	14.20	15.70	15.95	17.00	17.95	19.15	19.50	19.80	19.65	20.10	19.60								
349	8.50	10.90	13.20	14.85	16.75	19.20	23.20	28.00	29.45	31.85	34.90	37.40	42.70	43.50	43.95	47.00	51.80	52.00	53.10	56.45
350	10.90	12.10	13.20	13.90	14.10	14.10	14.15	間伐												
351	7.90	9.10	10.30	10.60	11.25	11.95	13.00	間伐												
352	5.50	6.70	間伐																	
353	3.30	4.20	間伐																	
354	10.30	11.80	13.00	13.70	13.85	13.90	14.90	間伐												
355	9.10	10.90	12.30	13.05	14.25	15.25	16.55	間伐												
356	10.00	12.70	14.80	15.40	16.70	18.30	21.35	23.65	25.10	27.25	29.40	31.00	33.10	33.50	34.60	37.25	38.90	41.00	42.50	44.50
357	8.50	9.70	間伐																	
358	9.40	11.50	13.20	13.65	14.00	14.35	14.35	14.50	14.30	間伐										
359	7.00	7.60	間伐																	
360	9.70	12.10	14.10	14.70	15.65	16.40	17.05	間伐												
361	11.80	13.60	15.00	16.10	17.55	18.85	20.10	20.00	20.55	20.15	20.65									
362	8.20	8.50	間伐																	
363	3.00	3.00	間伐																	
364	10.90	13.30	15.50	17.00	18.95	20.80		27.30	28.95	31.60	32.50	34.45	36.50	37.10	38.45	41.25	43.30	44.00	45.50	47.00
365	10.90	12.10	12.70	13.20	13.85	14.15	15.40	間伐												
366	5.80	7.00	間伐																	
367	10.60	13.00	15.80	17.60	20.20	22.55	26.85	31.50	33.85	36.70	40.05	42.65	45.40	46.40	47.75	51.70	56.00	57.50	59.50	61.85
368	12.40	13.90	15.50	16.50	17.35	18.50	20.25	間伐												
369	8.80	9.70	10.40	10.10	10.30	10.50	10.30	間伐												
370	7.00	7.30	間伐																	
371	9.40	11.50	13.20	14.20	15.30	16.85	19.50	21.35	22.55	23.50	24.85	26.00	27.55	27.50	28.30	29.60	30.25	31.00	31.40	31.80
372	8.80	8.80	間伐																	
373	10.00	11.80	13.30	14.55	16.00	17.00	18.65	19.60	20.70	20.85	21.25	21.40	21.75	21.30	21.85	23.20	22.15			
374	10.00	11.80	13.60	14.35	15.90	16.90	18.45	18.85	19.10	19.60	19.95	19.75	19.40	18.75	19.20	19.25				
375	10.60	12.40	14.40	15.00	16.15	17.10	18.15	間伐												
376	10.60	12.10	13.20	13.25	13.40	13.70	13.85	13.90	14.35	14.20	14.55	14.50	14.55	14.30	14.55	14.70	14.60			
377	10.00	10.30	10.90	10.85	11.05	11.40	11.70	間伐												
378	6.40	10.30	0.00	0.00	0.00	0.00														
379	13.30	15.80	17.90	19.35	20.95	23.15	27.15	29.70	33.10	35.20	41.10	39.90	42.60	44.10	45.80	49.15	50.50	54.50	57.65	59.35
380	7.30	8.20	8.20	8.60	8.85	9.10	9.30	間伐												
381	4.20	4.50	間伐																	
382	7.60	9.40	10.70	11.50	12.45	13.25	15.55	15.80	16.25	16.75	17.50	17.90	18.75	18.60	19.25	19.85	19.90	20.00	20.05	20.05
383	9.10	10.00	10.80	10.85	10.95	11.75	12.65	間伐												
384	6.40	7.00	間伐																	
385	9.10	10.00	10.90	11.10	11.90	12.35	13.00													
386	6.40	7.60	7.60	7.90	8.05	8.40	8.40	間伐												
387	3.90	6.10	間伐																	
388	4.80	6.10	間伐																	
389																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

安野1号 スギ 面積 0.111 ha 1903 年植栽

年度 林齢 備考	1916	1921	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表		既公表	既公表	既公表			
	間伐						間伐			間伐						記録無				
立木No. 1	6.0	7.0	7.8	8.5	8.6														22.1	25.7
2						8.6	10.5	12.8	15.0	14.0	15.0	14.2	15.6		16.3	17.1	16.2			
3																				
4																			18.7	20.2
5																				
6																				
7	5.0	5.6	5.5	7.0	7.2															
8																			23.3	23.2
9																			20.5	24.7
10																				
11																				
12																				
13																			22.2	20.3
14																				
15																				
16																				
17																			24.3	26.4
18																				
19																				
20	5.3	6.4	7.5	9.7			14.1	16.9	18.8	19.7	19.7		21.7		23.0	22.9	23.6	25.5		
21																				
22																				
23																			22.6	25.1
24																				
25																				
26																				
27																				
28																				
29																				
30																			22.2	23.0
31																				
32																				
33																				
34																			22.3	23.5
35																			22.1	22.6
36																				
37									16.5	16.9	16.2	16.6	18.4		19.2	19.4	21.1			
38	5.2	5.8	6.4	6.9	7.1															
39																				
40																			18.6	20.6
41																				
42						9.3	10.3	12.4	13.8	13.3	14.6	15.0	16.0		15.8	16.2	17.0	17.0		
43																				
44																			21.9	21.8
45																				
46																				
47																				
48																				
49						8.5	9.9	11.4	13.4	11.9	12.7	12.0	10.2		14.3					
50	5.0	5.8	6.1	7.3	8.3		10.7	13.0	14.4	14.0	16.6	17.0	18.8		19.4	20.7	22.0	23.7	23.8	25.7
51																				
52																			18.7	18.9
53						8.6	10.9	14.1	13.8	14.5	15.4	16.0	17.5		18.2	19.5	19.8	21.2	21.3	22.3
54																			20.4	21.7
55																				
56						9.3	11.0	13.1	14.2	15.4	15.4	15.8	17.2		18.1	18.6	18.1	19.6		
57																				
58																			19.4	20.9
59																				
60																			21.2	23.8
61																				
62																			25.4	27.3
63																				
64																				
65																				
66																				
67																				
68																				
69																			20.1	22.7
70																			19.7	21.4

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71																				
72																				
73	5.2	6.5	6.4	7.7	7.6		11.0	13.7	15.4	14.1	15.3	15.7	16.7		17.9	18.0	19.0	20.7	21.1	22.3
74																				
75																			16.6	18.2
76																			23.8	22.7
77																				
78																			25.0	22.7
79																			18.0	23.1
80																				
81																			23.7	23.5
82																				
83																				
84																				
85	5.0	7.0	6.4	7.1																
86																			16.0	14.5
87																				
88																			22.7	22.2
89																				
90																				
91																				
92																			25.6	27.3
93									14.2	14.8	16.5	15.9	17.5		18.7	20.4	20.7	21.7	21.9	22.6
94																			25.8	26.0
95																				
96																				
97																				
98																				
99																				
100	5.7	8.4	8.3	8.8	10.7		13.5	15.8	16.0	16.6	18.3	18.7	19.6		20.4	21.7	23.4	24.2	23.6	25.9
101																				
102																			23.9	26.1
103																				
104																				
105																				
106																				
107																			15.9	16.8
108																			17.2	17.5
109																			20.7	21.2
110																				
111																				
112	5.5	7.8	7.5	8.6	8.5	10.0	11.5	13.0	13.7	10.3	14.5	14.7	15.0		16.1	15.7				
113																				
114																			18.5	18.0
115																			22.3	23.9
116						10.8														
117																				
118																				
119																				
120																				
121																				
122																			19.2	20.1
123																				
124									14.0	14.1	15.7	14.8	16.4		16.6	17.4	17.7	18.4	18.9	19.6
125						11.6	12.2	15.4	13.0	11.3	13.6	13.2								
126																			21.7	22.1
127																				
128																				
129																				
130																				
131																			24.4	27.3
132																				
133																				
134																				
135																			23.4	25.3
136																				
137						10.8	11.8	14.1	14.5	14.8	16.1	16.5	16.4		17.7	18.8	19.0	19.8	20.0	20.7
138	5.5	7.6	7.4	8.6	9.1		12.5	14.7	15.3	15.6	18.4	21.9	19.8		21.1	22.9	24.0	25.3	24.3	26.4
139	3.4	5.9	5.7	6.4	7.0		9.6	11.0	11.3	12.0	13.5	12.8	14.4		14.4	14.2	14.6	14.8	15.1	15.1
140																			19.6	21.0
141																				
142																				
143																				
144																				
145																				
146						9.4														
147						11.7	16.4	15.3	19.1	13.7	14.7	12.0	15.8		16.3	18.0	17.2	18.3	17.6	20.2
148																				
149																				
150																			20.8	23.0

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
151																				
152																				
153																				
154																				
155																			23.5	24.2
156	5.8		8.2	9.7	10.0		15.0	18.1	16.3	16.3	17.8	17.8	17.7		18.9	18.1	19.1	20.2	20.3	21.2
157																				
158																				
159																			20.9	22.4
160																			18.7	19.2
161																			21.0	23.0
162						10.2														
163						10.5	12.4	15.5	15.3	13.1	15.4	14.8	16.1		15.9	18.5	17.7	18.1		
164																				
165						10.5	13.5	12.9	11.7	11.9	12.7	12.9	11.3		13.0	13.6	13.3			
166																				
167																				
168																				
169																				
170																			20.5	21.4
171																				
172																				
173																				
174	5.6	7.1	7.3	8.3	8.7		11.2	11.7	12.0	14.0	13.2	14.0	14.4		15.6	16.3	16.9	17.9	16.1	17.8
175																				
176																				
177																				
178																				
179	5.6	7.3	7.8	9.6	10.0		14.6	16.3	15.6	16.2	18.6	19.0	20.4		20.9	22.5	25.0	25.4	25.7	26.6
180																				
181	4.9	6.0	7.0	7.8	8.6															
182						8.7	10.5	15.1	18.6	15.4	17.3	19.3	18.1		19.0	20.0	20.9	22.7	22.5	23.2
183																				
184																				
185																			21.9	23.0
186																				
187	5.2	6.2	6.4	7.1	7.3															
188																			22.3	23.8
189																				
190																				
191																				
192																				
193																			19.9	20.2
194																				
195																			26.1	27.9
196						10.8	12.2	14.4	12.9	13.6	15.1	13.6	14.3		14.2	14.6				
197																			24.2	27.0
198																				
199																				
200																				
201																				
202																				
203																			21.3	24.5
204	4.6	5.9	6.8	8.6	9.5		13.2	14.8	16.3	17.0	18.0	18.0	19.4		20.1	21.6	22.5	24.2	25.2	25.5
205	5.5	7.4	7.8	8.7	9.2		12.4	15.2	15.1	16.4	17.4	17.2	18.4		19.4	20.6	21.5	20.0	19.8	22.2
206																				
207																				
208						9.0	11.4	15.1	13.4	14.2	15.5	15.7	16.1		17.2	18.1	28.7	19.3		
209																				
210																				
211																				
212						9.6	11.5	14.4	14.3	15.1	16.1	17.3	17.6		18.2	18.9	20.6	21.4	21.5	22.2
213																				
214																				
215																				
216																				
217																				
218																				
219	5.2	6.2	7.1	8.9			13.0	15.3	17.4	18.5	18.1	19.3	20.2		20.4	25.3	22.8	23.8	22.1	24.8
220																			25.8	27.7
221																				
222																				
223																				
224																			22.5	24.6
225																			24.9	27.0
226																				
227												25.6	25.3		27.7	27.2	29.0	29.3	28.8	30.6
228	6.5																			
229								20.9	20.8	18.6	19.2	21.0			22.2	25.0	25.2	26.0	25.8	27.0
230																				

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	安野1号																			
	13	18	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
231																				
232																				
233																				
234																				
235																			22.4	23.0
236																				
237																				
238																			22.0	23.4
239																				
240																				
241																				
242																			19.8	21.8
243																				
244																				
245																				
246																				
247																				
248												11.7								
249																			20.9	22.9
250																			21.4	23.2
251																				
252																				
253																				
254																				
255						10.2	11.2	12.8	14.2	13.5	14.4	14.8	15.8		16.7	18.7	19.1	20.5	20.2	21.1
256																			24.1	26.1
257																				
258																				
259																			21.0	23.0
260																				
261																				
262																			24.5	25.1
263																				
264	6.0	8.9	8.8	9.5	9.5												20.3		22.1	23.8
265																			20.3	21.7
266																				
267									15.1	14.2	16.1	17.4	18.0		19.2	21.0	20.8	20.4	19.8	
268																				
269																				
270																				
271																			27.2	27.5
272																			22.4	25.0
273																				
274																				
275																				
276	4.7	5.9	7.8	8.3	9.4		12.4	13.4	15.0	16.1	16.0	17.5	18.5		18.6	19.7	20.8	21.2	19.2	20.6
277																				
278																			26.9	28.2
279																				
280																				
281																				
282																			23.7	27.2
283																				
284																				
285																				
286																			22.0	26.5
287	5.1	7.8	7.7	9.0	9.4															
288																				
289																				
290																				
291																				
292																				
293																				
294																				
295																			24.9	27.5
296																				
297																				
298																				
299																				
300	7.5	9.5	9.6	11.2	13.0		16.5	17.7	19.3	19.9	23.6	21.2	22.3		22.6	27.2	25.8	26.3	25.4	27.3
301																				
302																				
303																				
304																			22.6	27.5
305																				
306																				
307																				
308																			22.3	24.5
309																				
310																				



東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

[illegible]

當山啓介ら

安野2号 スギ 面積 0.0757 ha 1902 年植栽

年度 林齢 備考	1916	1921	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010								
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108								
	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	cm単 位測定										
立木No.	1	8.60	9.80	10.50	11.10	11.70	12.45	14.00	14.75	15.20	間伐																	
	2	11.10	11.80	間伐																								
	3	12.00	13.80	15.10	16.30	17.35	18.50	21.00	22.60	23.00	24.00	25.00	26.85	28.50	30.10	30.55	32.30	33.75	35.00	36.25	37.05							
	4	10.90	12.00	12.70	12.00	12.90	13.05	13.50	間伐																			
	5	11.70	13.50	14.40	15.25	16.10	16.85	18.45	18.90	19.35	20.35	21.45	21.35	21.35	21.70	21.90	22.15	21.60	23.00	25.60	22.30							
	6	12.40	13.50	14.50	14.05	15.25	15.90	16.25	間伐																			
	7	9.50	11.00	12.10	13.40	15.45	16.50	19.15	間伐																			
	8	12.60	15.20	16.80	18.05	19.60	20.75	23.10	24.40	24.90	26.15	26.95	27.35	28.60	28.60	29.55	30.40	32.10	33.50	33.75	34.70							
	9	9.50	11.10	11.80	12.75	13.65	14.50	15.35	間伐																			
	10	6.50	7.60	間伐																								
	11	12.00	13.80	間伐																								
	12	12.00	13.90	15.80	16.00	17.45	18.90	22.00	23.45	24.65	25.90	27.45	28.40	30.20	31.10	33.75	33.40	35.25	36.00	37.75	38.75							
	13	16.20	18.30	20.00	21.80	24.00	26.00	30.40	33.05	34.65	36.10	37.95	39.30	40.35	41.40	41.85	44.15	44.90	47.00	47.30	48.35							
	14	14.20	15.30	16.70	17.05	17.95	18.50	19.05	間伐																			
	15	8.80	10.00	11.10	12.80	14.35	16.10	19.40	21.30	22.10	23.05	24.75	25.05	26.30	26.70	27.45	28.60	30.00	31.00	31.25	31.80							
	16	9.00	10.90	間伐																								
	17	10.50	10.50	間伐																								
	18	14.80	16.80	18.00	19.00	20.50	21.60	23.15	24.10	24.50	24.80	25.30	25.05	24.85	24.50	24.40	24.60	24.25	25.50									
	19	14.20	15.90	17.30	19.10	21.45	23.70	29.40	32.20	33.75	36.50	39.55	42.25	45.40	47.40	48.85	53.00	58.80	62.00	65.30	68.70							
	20	11.30	13.00	13.60	15.00	15.70	16.40	18.25	19.75	19.80	21.10	22.00	23.00	23.00	23.50	24.15	24.20	24.90	25.50	25.25	25.90							
	21	10.90	12.30	13.50	14.60	15.70	16.80	18.55	19.60	19.90	20.10	20.40	20.45	20.75	20.50	20.75	20.80	20.65	21.50	20.95	21.00							
	22	10.00	10.60	11.00	11.60	11.60	11.70	11.85	間伐																			
	23	12.60	13.40	14.20	14.40	14.90	15.30	15.80	間伐																			
	24	12.80	14.30	間伐																								
	25	10.30	11.50	12.30	12.90	13.55	14.50	16.10	16.55	17.15	17.40	17.90	18.00	18.10	18.20	18.70	18.70	18.90	19.00	19.00	19.00							
	26	10.30	11.40	12.00	13.20	14.25	14.90	16.50	17.60	18.35	18.65	19.40	19.25	20.15	19.60	20.20	20.20	20.50	21.00	21.00	20.95							
	27	10.30	11.70	12.70	12.75	14.30	15.55	16.60	17.40	<u>17.60</u>	18.25	18.65	18.75	19.35	19.30	19.65	19.95	20.10	21.00	20.50	20.50							
	28	13.60	14.90	16.10	17.45	19.75	21.45	25.85	間伐																			
	29	5.80	6.80	間伐																								
	30	9.80	11.80	12.40	13.50	13.80	16.20	19.05	21.00	22.10	22.75	24.10	25.55	27.30	27.50	28.85	30.20	32.25	34.00	34.95	36.50							
	31	12.60	14.50	16.40	17.90	20.10	21.90	25.55	28.25	29.60	31.20	33.45	35.05	36.15	37.30	38.25	40.10	44.00	44.00	45.40	47.35							
	32	4.70	5.20	間伐																								
	33	7.90	8.30	8.80	9.00	9.20	9.30	9.55	間伐													32.50 33.25 34.05						
	34	9.40	11.10	12.20	13.45	14.90	15.95	17.35	17.80	18.00	間伐																	
	35	9.50	11.10	12.20	14.90	15.15	16.60	19.50	21.70	22.90	24.10	25.40	26.35	27.90	27.70	29.25	29.90	30.40										
	36	10.00	12.30	13.40	14.25	15.40	16.60	18.75	間伐																			
	37	9.60	10.70	間伐																								
	38	8.30	9.50	間伐																								
	39	8.50	9.40	10.00	11.00	12.10	12.75	14.45	15.50	16.30	16.60	17.20	17.50	17.70	17.70	<u>18.20</u>	18.15	18.30	19.00	18.70	18.75							
	40	8.50	9.40	9.80	9.85	10.00	10.05	10.20	間伐																			
41	7.00	7.40	間伐																									
42	10.50	11.50	11.80	11.90	11.90	11.95																						
43	7.10	8.60	間伐																									
44	11.20	12.10	12.50	12.75	13.35	13.70	14.20	14.30	14.10	間伐																		
45	13.50	15.00	16.20	16.85	18.30	19.60	22.90	25.05	26.15	27.75	29.70	30.90	32.90	33.60	34.70	37.40	38.55											
46	7.10	7.50	間伐																									
47	9.80	10.30	間伐																									
48	12.40	13.50	14.40	15.10	16.25	17.25	18.60	間伐																				
49	9.70	10.40	間伐																									
50	12.60	14.40	15.80	17.10	18.65	20.35	23.40	24.90	25.65	26.05	27.05	27.35	28.20	27.70	28.20	29.30	間伐											
51	10.90	12.60	13.30	13.70	13.95	14.50	15.10	間伐																				
52	10.30	10.90	間伐																									
53	7.70	8.20	8.70	8.65	8.55	8.65																						
54	11.70	13.00	13.80	14.05	14.65	15.55	17.10	18.30	18.40	19.65	20.20	21.40	23.95	24.60	26.00	29.05	31.50	33.50	36.20	38.65								
55	8.30	9.10	間伐																									
56	11.10	11.70	12.30	12.30	12.40	12.55																						
57	9.70	11.20	12.30	13.75	15.60	17.00	20.20	21.65	22.40	23.85	25.30	25.95	27.45	27.40	28.05	29.70	30.20	32.50	33.20	33.30								
58	9.40	10.10	間伐																									
59	12.60	13.50	14.70	15.10	16.15	16.20	17.20	17.35	17.55	間伐																		
60	11.50	12.70	間伐																									
61	10.60	11.70	12.40	13.20	13.60	14.00	14.55	間伐																				
62	12.40	14.20	15.20	16.05	17.35	18.70	20.80	間伐																				
63	11.80	12.90	13.60	14.20	14.70	15.25	15.85	16.35	16.70	16.85	17.30	17.05	17.20	17.10	17.30	17.50	17.60	18.50	17.80	17.95								
64	12.60	13.90	間伐																									
65	10.60	12.40	14.00	14.65	16.10	17.50	20.10	21.60	21.85	23.15	24.30	24.45	26.10	27.30	28.60	30.30	31.95	33.50	34.90	37.00								
66	12.30	13.60	14.60	15.70	16.85	17.55	18.15	間伐																				
67	14.40	16.00	17.30	18.65	19.70	20.80	22.40	23.90	24.55	25.25	25.90	25.95	26.30	26.50	26.85	27.70	28.20	28.50	29.30	30.00								
68	11.10	13.90	間伐																									
69	9.40	10.20	10.60	10.90	11.25	11.50	12.00	間伐																				
70	10.80	12.30	間伐																									

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	安野2号																			
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
71	10.00	11.00	11.50	11.95	12.35	12.60	12.95	間伐												
72	12.30	14.20	14.80	15.55	16.75	17.90	19.90	21.40	22.30	23.10	24.05	24.50	25.20	25.50	26.30	26.75	26.85	28.00	28.20	28.15
73	6.40	6.70	間伐																	
74	11.40	12.30	間伐																	
75	15.70	16.80	17.70	19.00	21.05	22.15	24.75	25.55	25.75	26.75	27.65	29.00	30.85	31.00	32.35	33.25	33.85	34.50	35.20	34.80
76	8.90	9.40	間伐																	
77	12.30	14.20	15.20	16.40	17.45	18.95	20.55	22.00	22.65	間伐										
78	7.90	8.30	間伐																	
79	11.10	11.40	間伐																	
80	13.20	14.80	16.10	17.60	19.90	22.00	25.00	26.95	27.75	29.00	30.80	32.85	35.80	37.30	38.90	41.90	44.20	47.50	50.65	52.45
81	13.80	14.70	15.50	16.15	17.05	18.25	20.35	間伐												
82	10.50	11.20	11.80	12.05	12.05	12.60	12.45	間伐												
83	12.00	13.00	13.80	14.10	14.00	16.00	17.25	17.75	18.25	18.45	18.90									
84	10.30	11.20	11.80	12.10	12.00	12.10	12.70	間伐												
85	12.80	13.90	間伐																	
86	13.60	15.50	17.80	17.40	17.25	18.10														
87	13.30	14.80	15.80	16.70	17.20	17.85	19.00	19.40	19.50	間伐										
88	8.00	8.30	間伐																	
89	11.50	13.00	14.50	15.90	17.25	18.35	20.35	21.40	21.90	21.85	22.20	22.15	21.95	21.90	22.45	22.15	22.30	23.00		
90	9.20	9.50	間伐																	
91	10.00	10.60	11.00	11.00	10.50	10.70	11.00	間伐												
92	15.30	17.10	18.60	20.25	22.10	24.00	28.00	30.30	31.10	32.60	34.20	35.45	36.25	37.00	38.35	39.70	39.60	42.50	43.85	46.85
93	8.70	9.80	10.80	11.90	12.85	14.05	15.15	間伐												
94	8.50	9.50	間伐																	
95	11.00	12.90	14.20	16.00	18.35	20.25	24.75	27.95	29.70	31.95	34.75	36.65	39.80	41.10	43.25	46.05	間伐			
96	5.80	6.40	間伐																	
97	10.70	11.80	12.30	12.05	13.30	13.90	14.75	間伐												
98	14.70	15.50	16.00	16.75	17.40	18.90	20.35	21.95	22.70	24.15	25.00	25.55	25.85	25.70	26.10	26.35	26.85	27.50	27.55	27.55
99	11.10	12.10	12.80	13.60	14.50	15.35	16.95	間伐												
100	9.70	10.20	10.60	10.15	11.05	10.80	11.50	間伐												
101	12.10	13.60	14.80	15.15	17.80	19.10	22.15	間伐												
102	9.10	10.70	12.10	13.20	14.55	17.25	20.95	23.95	25.70	27.85	30.55	32.35	35.00	35.90	37.30	40.25	41.60	45.50	47.55	49.70
103	11.20	12.70	14.00	15.05	16.65	18.10	20.50	間伐												
104	11.30	13.20	14.20	15.20	17.50	19.15	22.40	24.60	25.85		28.15	29.10	30.20	30.40	31.30	32.50	34.00	35.00	35.55	36.30
105	11.20	12.30	12.80	13.30	13.70	13.45	13.45	間伐												
106	4.80	5.40	間伐																	
107	12.70	14.70	間伐																	
108	9.80	11.30	12.30	13.25	14.40	15.05	16.00	16.25	16.10	16.75	17.10	16.85	16.80	16.40	16.65					
109	7.00	7.60	間伐																	
110	10.20	12.90	14.50	15.65	17.00	18.55	21.75	間伐												
111	10.80	11.40	間伐																	
112	11.20	12.40	13.50	13.05	14.00	15.85	16.60	17.75	18.20	18.80	19.35	19.20	19.40	18.90	19.35	18.90				
113	11.50	12.60	13.20	14.00	15.10	16.20	17.85	19.45	20.20	21.25	22.45	22.60	23.55	23.60	24.45	25.20	25.80	27.00	26.80	26.60
114	12.40	13.00	14.00	14.00	14.80	14.90	14.90	間伐												
115	9.70	10.90	11.70	12.75	14.10	15.60	18.20	20.70	22.05	24.00	26.25	28.40	31.05	32.40	33.40	36.80	39.20	41.50	44.50	46.55
116	7.70	8.00	間伐																	
117	12.50	13.00	14.10	13.95	14.25	14.55	14.50	間伐												
118	11.20	11.50	12.00	11.90	12.55	12.40	12.85	間伐												
119	11.70	12.10	12.70	12.70	12.90	12.95	13.05	間伐												35.30
120	11.20	11.80	間伐															36.50	38.75	40.90
121	11.70	13.20	14.00	14.65	15.20	15.90	17.50	18.45	18.70	19.00	19.90	19.85	21.20	20.80	21.30	22.45	23.10	24.00	24.80	25.50
122	12.70	13.80	14.90	15.10	15.80	16.15	16.50	間伐												
123	11.50	13.00	14.70	16.00	18.30	20.25	23.75	25.95	26.60	27.55	28.70	28.65	29.80	30.30	31.00	31.80	32.40	33.00	34.15	
124	15.00	16.20	17.30	16.90	17.70	18.05	18.65	間伐										32.00	32.80	34.60
125	13.30	14.80	15.80	16.35	17.85	18.95	21.35	22.75	23.50	24.05	27.30	28.00	29.05	29.20	30.40	31.85	33.25	34.50	36.25	37.40
126	12.40	13.00	14.40	14.30	15.05	15.15	15.15	間伐												
127	11.80	13.00	13.50	14.20	14.85	15.45	16.25	16.90	17.20	17.40	17.60	17.35	17.35	16.90	17.05	17.25				
128	10.30	11.10	間伐																	
129	11.20	12.70	14.20	15.65	17.10	18.85	22.05	23.65	24.60	25.65	27.50	27.60	28.75	29.00	29.70	30.35	31.25	30.50	31.25	31.65
130	14.40	15.20	16.40	17.80	19.10	20.30	23.10	24.25	24.80	25.75	25.40	26.60	28.05	29.30	30.65	33.10	34.90			
131	11.20	12.70	間伐																	
132	11.20	12.30	13.30	13.50	14.45	15.20	16.15	間伐												
133	11.10	12.70	13.90	14.85	16.30	17.40	19.60	20.40	21.20	26.65	22.40	22.90	24.50	24.50	25.65	26.50	27.05	28.00	28.40	28.65
134	9.80	10.10	間伐																	
135	11.80	13.00	14.10	14.65	15.50	16.10	17.45	18.30	18.60	18.85										
136	12.70	13.90	間伐																	
137	13.90	15.30	16.10	16.30	17.50	17.95	20.20		19.50	間伐										
138	9.20	9.80	間伐																	
139	13.80	15.80	16.90	17.95	18.85	19.50	20.90	21.75	22.20	間伐										
140	9.70	9.80	間伐																	
141	12.00	13.50	14.80	16.10	17.35	19.05	21.90	24.10	24.90	26.25	28.20	29.60	31.50	32.10	33.95	35.30	37.25	38.50	40.05	41.85
142	11.10	11.80	間伐																	
143	12.10	13.20	14.20	14.75	14.95	16.60	17.50	17.70	18.00	18.05	18.55	18.70	18.65	18.40	18.95	18.80	19.50	19.50		
144	12.60	13.60	14.30	15.30	16.40	17.30	19.05	20.10	20.55	20.95	21.90	22.55	23.40	23.40	24.50	25.05	26.00	26.50	27.10	28.05
145	10.80	11.50	間伐																	
146	10.60	11.40	11.70	11.90	11.85	11.90	12.00	間伐												
147	12.00	13.00	間伐																	
148	12.40	14.20	15.10	16.40	17.90	19.25	21.30	22.90	23.85	25.05	26.05	26.90	27.80	28.40	29.35	30.60	32.15	33.00	34.05	35.65
149	10.30	10.50	間伐																	
150	12.90	14.40	15.50	16.10	18.10	19.05	20.65	21.80	22.65	23.10	23.95	23.90	24.30	24.00	24.95	25.15	24.85	26.00	25.50	25.65

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	安野2号																			
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
151	9.40	9.70	10.50	10.25	10.35	10.35														
152	9.80	10.50	間伐																	
153	10.60	12.00	12.70	13.00	13.75	14.15	14.75	15.45	15.60	15.70	15.80									
154	11.80	12.30	12.70	12.65	12.95	13.00	13.05	間伐												
155	10.60	12.10	12.70	12.60	13.20	13.50	13.75	間伐												
156	12.10	12.70	13.60	13.55	14.05	14.75	15.00	15.20	15.45	15.40	16.00	15.60								
157	7.60	10.60	間伐																	
158	13.00	14.50	15.50	16.40	17.45	18.05	20.10	20.80	20.90	21.70	21.95	22.20	22.65	23.20	23.80	24.35	24.55			
159	8.50	9.50	間伐																	
160	14.50	16.70	18.20	19.60	21.50	23.45	26.85	29.95	<u>31.10</u>	33.15	35.20	36.85	39.15	39.80	41.65	43.30	45.15	48.00	49.60	51.60
161	15.50	16.40	17.00	16.80	17.15	17.65	18.00	間伐												
162	10.30	11.50	12.40	13.60	14.50	15.65	17.90	<u>18.95</u>	19.55	20.30	20.80	20.45								
163	10.20	10.90	11.70	12.00	12.45	12.80	13.00	間伐												
164	8.60	8.90	間伐																	
165	9.70	9.80	10.20	9.90	10.10															
166	10.80																			
167	13.20	14.40	15.20	16.10	16.95	18.00	19.25	20.20	21.10	21.30	21.85	22.35	22.80	23.00	23.35	23.65	23.90	25.00	25.35	25.45
168	12.00	12.90	間伐																	
169	14.10	15.20	16.40	17.05	19.05	20.25	22.90	24.10	25.10	25.55	26.20	27.00	27.55	27.40	27.95	28.35	29.20			
170	14.80	15.50	16.40	17.10	17.95	18.60	20.25	21.30	22.40	23.15	<u>24.75</u>	26.30	28.90	30.10	31.10	34.10	間伐			
171	7.30	7.30	間伐																	
172	12.30	13.50	14.80	15.85	16.80	18.10	21.00	間伐												
173	8.30	9.10	間伐																	
174	14.00	15.30	16.70	17.85	19.70	20.95	23.85	26.20	27.30	28.25	29.80	30.60	31.90	32.70	33.05	34.40	35.65	37.50	37.40	38.15
175	13.20	13.90	15.20	15.85	16.65	17.40	18.85	間伐												
176	11.70	12.90	13.80	14.45	15.15	15.75	16.25	間伐												
177	10.50	11.40	間伐																	
178	11.20	12.10	12.80	13.20	13.70	14.00	14.35	14.30	14.60	間伐										
179	9.40	9.50	間伐																	
180	10.70	11.50	11.70	12.00	12.10	12.25	12.15	間伐												
181	12.10	13.30	14.20	14.60	14.10	15.50	16.30	16.90	17.05	17.50	17.70	17.55	17.05	17.10	17.15	17.15	17.10			
182	11.50	13.00	14.20	15.35	16.75	17.65	19.10	20.45	21.40	22.70	24.10	23.40	24.00	24.00	24.80	24.90	25.80	26.50	26.20	26.00
183	11.10	12.40	13.30	14.60	16.50	18.60	21.75	間伐												
184	9.50	10.50	10.90	11.90	12.65	13.35	13.90	間伐												
185	10.20	10.80	間伐																	
186	13.70	15.50	17.30	19.75	22.15	24.50	28.60	31.90	33.10	35.50	37.85	39.40	41.25	42.80	44.35	46.45	48.00	50.50	51.75	53.50
187	9.00	9.40	間伐																	
188	9.70	12.70	14.10	14.90	15.80	16.45	17.60	間伐												
189	8.00	8.60	間伐																	
190	10.70	11.40	12.30	13.30	14.45	15.35	16.20	16.60	17.15	17.40	17.55	17.45	17.35	17.10						
191	7.40	8.60	間伐																	
192	13.40	14.60	15.80	17.15	19.75	21.95	26.50	29.45	31.50	34.15	37.30	40.40	43.95	45.20	47.75	50.25	55.30	57.00	59.55	62.65
193	9.10	9.70	10.50	11.45	12.60	13.45	15.50	16.15	17.05	17.95	19.10	20.10	21.55	22.30	23.25	24.45	25.05	26.50	28.20	29.25
194	7.30	7.40	間伐																	
195	9.20	10.30	間伐																	
196	10.40	10.50	11.20	11.55	11.50	11.75	11.65	間伐												
197	15.30	16.40	18.10	18.00	19.00	19.55	20.70	21.60	22.20	23.00	24.10	24.30	25.00	24.60	25.25	<u>26.10</u>	26.50	27.50	28.40	29.40
198	14.10	15.60	17.00	18.05	19.95	21.15	24.15	25.80	27.00	28.60	29.65	31.25	32.95	33.50	35.00	36.75	37.80	40.50	42.85	43.70
199	7.80	9.40	10.60	11.75	13.10	14.15	16.00	間伐												
200	13.90	14.70	15.20	15.50	16.10	16.40	16.55	17.00	17.10	間伐										
201	9.10	9.70	10.50	11.15	11.90	12.95	14.20	15.60	16.30	16.90	17.85	18.15	18.90	18.80	19.05	19.30	19.70	21.00	20.60	21.00
202	7.40	8.00	間伐																	
203	12.10	12.90	13.40	13.00																
204	14.20	15.00	15.30	15.85	16.30	16.65	17.15	間伐												
205	8.10	8.50	間伐																	
206	11.50	12.60	13.90	15.40	17.40	19.45	23.25	26.20	27.50	28.50	30.00	30.70	32.40	32.90	34.40	35.10	37.25	37.50	37.55	38.35
207	17.30	18.50	19.80	20.70	22.35	24.25	25.25	27.85	28.75	29.20	30.35	30.90	31.65	31.70	33.10	33.45	34.95	36.00	36.85	37.70
208	7.60	8.10	8.80	8.60	9.35	9.50	9.55	間伐												
209	14.30																			
210	7.50	7.90	間伐																	
211	6.30	6.70	間伐																	
212	11.50	12.60	13.30	13.65	14.20	14.40	14.50	間伐												
213	10.80	11.40	間伐																	
214	10.00	11.20	12.30	13.85	15.70	17.60	21.35	間伐												
215	13.60	15.50	16.80	18.10	19.10	19.90	21.55	23.15	24.00	25.10	26.60	27.00	28.05	28.00	29.15	29.40	30.50	31.00	31.15	31.70
216	13.60	13.90	15.00	15.30	15.75	16.05	16.15	間伐												
217	15.50	17.70	18.60	18.50	19.80	20.45	20.25	22.20	22.55	22.85	23.20	23.90	24.55	24.10	25.20	25.15	25.35	26.00	26.40	26.60
218	4.90	5.20	間伐																	
219	12.00	13.60	15.00	16.05	17.65	19.05	21.30	23.55	24.40	26.15	28.15	30.40	32.55	33.50	34.80	37.10	37.65	40.50	42.10	44.30
220	7.70	8.10	間伐																	
221	7.20	7.80	7.70	7.60	7.75															
222	9.20	10.20	間伐																	
223	12.60	14.50	15.90	17.10	19.00	19.70	20.55	22.70	23.50	23.80	23.95									
224	11.50	13.20	間伐																	
225	9.50	10.10	間伐																	
226	12.20	13.90	15.50	17.45	19.85	22.15	24.30	29.20	30.90	32.75	32.35	32.90	34.10	34.10	35.30	35.70	37.20	37.50	38.75	40.00
227	15.50	17.40	18.70	20.50	21.95	24.85	28.30	29.70	<u>30.90</u>	31.85	34.40	36.15	38.85	39.90	41.25	44.40	47.10	49.00	51.05	54.20
228	12.50	13.90	14.50	15.15	15.95	17.10	18.80	間伐												
229	11.20	11.50	11.60	11.60	11.75	11.85														
230	7.10	8.10	間伐																	

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	安野2号																				
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108	
231	11.20	12.70	13.60	15.00	16.35	17.95	20.85	23.25	24.75	26.05	27.65	28.35	29.15	29.70	30.60	31.50	32.65	33.50	34.30	35.45	
232	11.90	12.90	13.60	14.45	14.45	14.75	15.00	14.80	15.00	間伐											
233	9.80	13.00	間伐																		
234	9.60	10.30	11.40	12.40	13.55	14.45	16.05	間伐													
235	12.40	13.50	14.40	15.35	16.75	17.95	20.00	20.95	21.10	22.60	23.35	23.60	24.10	24.00	24.80	24.85	25.65	26.50	26.25	26.50	
236	12.10	12.60	13.30	13.10	13.65	14.45	15.00	15.10	15.30	15.20	15.10	15.10	15.00	14.70	15.00						
237	8.90	9.30	10.20	10.35	10.65	10.65	10.65	間伐													
238	15.00	16.10	17.00	17.65	18.70	20.10	23.35	24.30	25.05	26.85	28.80	30.20	32.05	32.70	33.95	35.50	37.40	39.00	40.70	42.50	
239	4.40	4.20	間伐																		
240	11.80	12.30	13.40	13.45	14.50	15.15	15.55	16.05	15.85	間伐											
241	10.80	11.50	間伐																		
242	13.50	14.30	15.40	15.95	16.75	17.50	18.40	18.70	19.10	18.80	19.45	19.05	18.85	18.70	18.85						
243	7.70	7.70	間伐																		
244	11.40	12.30	12.90	13.10	14.25	15.30	16.40	間伐													
245	10.80	12.10	間伐																		
246	12.10	13.40	13.90	14.50	14.65	14.85	15.15	間伐													
247	11.70	12.50	14.00	13.95	15.00	15.95	17.75	19.30	19.60	20.90	21.75	22.30	23.05	23.40	24.15	24.40	25.00	25.50	25.80	26.05	
248	11.70	13.20	14.60	15.30	16.55	17.40	18.90	19.95	20.55	21.20	22.00	22.15	23.70	22.60	23.50	23.60	24.00	24.50	24.80	24.95	
249	10.90	12.70	14.10	14.90	16.50	17.70	18.45	間伐													
250	7.10	6.80	間伐																		
251	14.10	15.90	17.40	19.00	21.05	22.85	25.60	27.40	27.95	29.00	31.05	30.35	31.45	31.90	32.35	32.65	33.60	34.50	34.55	35.00	
252	11.20	12.00	間伐																		
253	9.20	10.60	11.70	12.70	13.50	14.70	16.20	16.90	17.30	17.95	18.55	18.70	19.20	19.40	19.75	19.70	間伐			22.40	
254	12.60	13.70	15.10	15.95	17.40	18.55	19.70	20.25	20.85	20.90	21.00	21.15	21.00	20.80	21.80	21.00	21.65	22.00	22.00		
255	10.20	11.10	間伐																		
256	12.90	13.70	14.70	15.00	15.60	16.30	16.85	17.35	17.15	17.00	17.50										
257	6.90	7.10	間伐																		
258	12.70	14.20	15.40	15.90	16.75	17.80	18.80	20.10	20.95	21.95	23.75	24.10	25.80	26.40	27.55	28.15	29.35	30.00	30.90	31.85	
259	13.90	14.80	15.80	15.95	17.20	18.15	20.35	22.00	23.15	24.65	26.10	27.35	29.05	29.40	30.80	32.10	34.05	35.50	36.60	37.60	
260	8.60	8.90	間伐																		
261	13.10	14.10	14.80	15.20	14.95	16.60	17.60	17.95	18.40	間伐											
262	11.00	12.30	間伐																		
263	12.00	12.40	13.60	13.95	14.90	15.70	17.00	17.90	18.45	18.60	19.45	19.60	19.75	19.70	20.30	20.25	20.95	21.50	21.60	22.05	
264	8.70	9.40	間伐																		
265	13.90	14.50	15.70	15.55	15.80	16.95	17.35	間伐													
266	13.90	14.80	間伐																		
267	15.00	17.00	18.70	19.95	20.60	21.80	24.85	24.30	25.05	間伐											
268	8.30	9.00	間伐																		
269	15.40	17.10	18.20	19.25	20.35	21.90	24.70	25.50	26.20	26.95	27.95	28.55	30.50	30.70	31.75	33.45	35.10	36.00	37.55	38.90	
270																			42.50		

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

安野2号 スギ 面積 0.0757 ha 1902 年植栽

年度	1916	1921	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
林齢	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
備考	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表			既公表	既公表	既公表	
	間伐						間伐			間伐				記録無			間伐			
立木No. 1	7.7	8.7	9.7	11.3	11.2		15.6	17.5	18.2											
2																				
3																			26.4	29.5
4																				
5						13.2	16.3	19.2	19.0	19.6	18.9	21.6	22.8		22.4	23.2	24.1	26.5	27.7	23.4
6																				
7						13.2														
8																			32.4	28.2
9																				
10																				
11																				
12																			29.1	27.7
13																		27.6	30.4	28.3
14	9.1	9.8	10.5	11.6															32.6	31.0
15												21.6	24.1		27.0	27.2	26.9			
16																				
17																				
18																				
19												25.4	27.4		27.2	27.5	28.8	30.4	31.4	31.4
20																			21.8	22.0
21						12.9	15.7	18.5	18.9	21.4	18.3	20.3	21.0		22.4	23.3	24.6	22.2	21.1	24.0
22																				
23																				
24																				
25	7.4	8.7	9.2	11.0															21.8	23.2
26																			22.5	22.2
27									17.9	18.8	18.7	17.9	20.8	22.0	25.3	23.3	22.4	21.9		
28																				
29																				
30																			27.8	27.4
31									20.7	20.7	22.6	22.9	24.5		25.2	25.2	27.5	26.1	29.4	29.3
32																				
33																			28.1	29.2
34																				
35																				
36																				
37																				
38																				
39																			23.3	21.8
40																				
41																				
42																				
43																				
44	8.0	8.6	9.3	9.9	10.1		14.9	14.6	15.7											
45																				
46																				
47																				
48						12.7														
49																				
50																				
51	8.9	9.2	9.2	10.8	11.4															
52																				
53																				
54																			27.4	29.1
55																				
56																				
57						13.8	15.8	19.7	21.4	19.5	13.1	21.1	22.9		23.9	24.5	26.2	27.8	25.4	27.8
58																				
59																				
60																				
61																				
62																				
63																			20.8	20.6
64																				
65						13.7	15.4	18.2	18.9	18.2	16.7	19.5	21.8		23.7	25.1	26.7	26.7	28.0	28.1
66						13.9														
67												21.5	22.3		22.4	22.9	26.5	29.3	27.5	26.9
68																				
69																				
70																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	安野2号																			
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
71																				
72																			24.1	25.3
73																				
74																				
75									18.7		20.1	22.1			22.5	22.8	26.6	27.0	27.7	28.5
76																				
77	8.5	9.7	10.4	11.5	12.5		15.4	18.4	20.2											
78																				
79																				
80																			31.1	30.0
81																				
82																				
83	8.8	10.3	10.1	11.8																
84																				
85																				
86																				
87																				
88																				
89																				
90																				
91																				
92																			31.2	30.0
93																				
94																				
95									21.8		23.0	25.2	24.2		26.3	28.0				
96																				
97																				
98																			30.1	27.9
99																				
100	7.3	8.5	8.3	10.4	11.0															
101																				
102	7.7	8.9	9.4	11.6	13.0	13.6	16.5	19.1	20.4	20.3	21.6	23.0	24.6		25.7	26.5	27.4	28.7	31.3	30.2
103																				
104																			27.6	27.4
105																				
106																				
107																				
108	7.8	9.0	9.0	11.0	11.3		14.1	16.1	16.5		16.8	17.1	17.9		17.3					
109																				
110																				
111																				
112																				
113																			22.9	24.3
114																				
115											23.3	24.2		24.9	25.0	27.0	27.6	29.3	28.1	
116																				
117																				
118																				
119																				28.5
120																			27.8	29.2
121	9.1	10.4	10.2	12.1															26.8	28.1
122																				
123											22.3	23.9		24.4	25.0	26.5	29.9	29.4		
124																		28.4	27.4	
125																		26.2	27.5	
126																				
127																				
128																				
129																		26.0	26.4	
130																				
131																				
132	8.3	9.1	10.2	11.3	11.9															
133						13.5	15.9	18.8	20.1	18.4	17.2	20.9	22.4		22.9	24.8	25.7	27.7	28.9	27.4
134																				
135																				
136																				
137																				
138																				
139								19.4												
140																				
141																			28.9	26.9
142																				
143						13.2	15.6	16.8	18.5	20.7	18.4	18.8	20.0		20.5	25.0	22.6	22.4		
144						13.4													26.1	26.6
145																				
146																				
147																				
148																			26.1	27.2
149																				
150																			25.9	23.8

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	安野2号																			
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
151																				
152																				
153																				
154																				
155																				
156									17.1	15.4	16.7	16.7								
157	7.1																			
158																				
159																				
160																		32.2	29.6	
161						12.9														
162																				
163																				
164																				
165																				
166																				
167																		22.5	22.8	
168																				
169																				
170																				
171																				
172																				
173																				
174	8.1	9.8	10.3	12.6	13.6		16.4	19.6	20.2	18.6	20.2	21.9	23.7		24.4	24.5	26.2	27.7	28.3	28.3
175						14.1														
176																				
177																				
178																				
179																				
180																				
181																				
182						13.0	14.6	16.5	17.3	15.3	17.4	17.8	20.2		20.4	22.5	21.2	24.0	25.7	24.2
183																				
184																				
185																				
186												23.0	24.0		24.5	24.9	27.7	28.9	30.4	28.8
187																				
188	8.1	9.6	10.7	11.7	12.4															
189																				
190																				
191																				
192																		34.7	31.8	
193																		24.4	25.4	
194																				
195																				
196																				
197																		28.9	28.5	
198																		29.0	28.4	
199																				
200								18.1												
201								17.9	15.8	17.8	19.0	20.0		20.4	18.5	21.6	22.8	22.5	24.0	
202																				
203																				
204																				
205																				
206	7.9	9.6	10.1	12.6														28.9	28.3	
207																		25.6	26.6	
208																				
209																				
210																				
211																				
212																				
213																				
214						14.3														
215									19.3	17.9	20.7	21.2	22.6		23.4	22.5	24.8	26.5	27.2	27.3
216																				
217																		28.7	27.0	
218																				
219																		28.6	27.7	
220																				
221																				
222																				
223																				
224																				
225																				
226									21.0	17.9	22.4	22.6	23.7		24.4	23.3	26.5	27.2	28.5	29.8
227																		28.0	28.1	
228	8.6	10.2	10.1	11.7	12.2	13.1														
229																				
230																				



當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	安野2号																			
	14	19	23	28	33	38	48	55	58	63	68	73	78	81	83	89	94	98	104	108
231																			26.8	26.6
232																				
233																				
234																				
235																			23.5	24.0
236												17.9	19.7		18.7					
237	7.4	7.9	8.8	10.0	10.6															
238	9.7	10.3	10.1	12.1	12.8		16.4	18.3	19.4	17.5	20.8	20.9	22.6		22.3	23.5	24.9	25.8	28.7	27.4
239																				
240																				
241																				
242						13.0	14.7	16.0	17.6	15.4	18.2	17.9	18.7							
243																				
244																				
245																				
246																				
247																			24.3	24.7
248						12.7	14.7	16.7	17.5	15.6	17.2	20.1	19.6		20.2	21.5	22.4	23.6	23.3	23.6
249																				
250																				
251																			25.1	23.8
252																				
253																				
254																			21.0	21.4
255																				
256																				
257																				
258								17.9	16.5	18.4	19.8	21.7		21.7	22.7	23.9	25.2	27.7	26.9	
259																		27.3	29.0	
260																				
261																				
262																				
263																			23.6	22.4
264																				
265						12.0														
266	9.1																			
267																				
268																				
269										20.3	22.2			23.0	21.7	25.3	28.0	30.3	29.1	
270																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

大平2号 ヒノキ 面積 0.0343 ha 1900 年植栽

年度 林齢 備考	1925	1930	1935	1940	1947	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010	
	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110	
	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表				
	微修正																			
立木No.	1	9.70	11.20	12.10	12.85	13.70	14.05	16.00	16.25	17.15	17.60	19.55	19.75	20.90	21.20	22.90	24.30	25.90	26.80	27.90
	2	12.27	15.10	16.85	18.10	19.15	19.30	19.95	19.60	20.35	20.40	20.80	21.40	22.20	22.35	22.85	23.55	23.65	23.55	23.70
	3	10.76	12.70	13.30	13.30	13.70	13.65	13.55	13.50	13.50										
	4	9.24	11.50	12.50	13.65	14.95	15.10	16.20	16.80	17.95	18.60	21.45	22.45	22.75	24.00	25.75	25.80			
	5	8.33	9.15	9.55	9.40															
	6	10.45	12.60	13.90	15.15	15.70	15.80	16.90	17.55	17.95	18.40	19.35	20.40	21.70	21.95	22.65	23.85	23.85	24.20	24.35
	7	12.42	14.70	15.80	17.10	19.05	19.85	22.45	22.80	24.10	24.45	27.15	27.70	29.35	30.05	31.95	33.90	34.95	36.20	38.55
	8	11.06	12.70	13.70	14.45	14.95	14.80	15.25	15.50	15.50	15.10	15.30	15.25	15.50	15.25	15.25				
	9	10.76	13.05	14.65	15.60	17.20	17.30	20.15	20.65	22.25	22.00	23.30	26.05	28.10	28.80	30.45	33.15	34.85	35.65	38.00
	10	12.73	15.05	15.80	16.95	17.70	17.30	18.40	19.25	19.25	18.80	18.30	18.85	19.50	19.10	19.15	19.80	20.80	20.35	20.45
	11	11.97	14.35	15.25	16.05	17.05	17.05	18.50	17.95	19.00	18.70	18.75	19.80	20.50	20.50	20.95	21.80	22.40	22.20	22.75
	12	11.67	13.45	14.55	14.95	15.70	15.70	16.30	16.20	16.60	16.20	16.25	16.70	16.90	16.70	16.70	17.00			
	13	12.57	14.95	16.10	16.70	17.75	17.85	19.50	19.10	19.85	19.70	19.90	20.75	21.10	20.90	21.15	21.65	22.05	22.20	22.60
	14	9.54	10.80	11.35	11.70	11.65	11.50													
	15	9.70	12.30	13.70	14.85	15.95	16.30	17.40	17.80	18.10	17.90	19.00	19.00	19.60	19.50	19.75	20.30	20.65	20.30	20.50
	16	8.79	11.05	12.30		13.65	14.60	15.35	15.30	15.15	15.60	16.55	17.20	17.35	17.65	18.20	18.80	18.40	18.80	
	17	15.45	18.45	19.95	21.05	23.00	23.60	25.80	25.70	27.70	27.10	29.20	29.50	30.90	30.40	31.75	33.20	34.65	35.35	37.95
	18	16.36	18.40	19.35	19.75	21.50	21.65	23.20	23.00	24.35	24.00	24.25	24.65	25.40	24.80	24.95	25.65	25.50	25.60	
	19	10.76	12.20	12.95	12.95	13.00	12.70	12.80	12.75											
	20	11.97	13.65	14.35	15.00	15.35	15.75													
	21	13.48	16.00	16.80	17.20															
	22	9.70	11.35	11.90	12.25	12.90	12.95	13.65	13.65	13.70	13.70	13.40	13.45	13.60	13.35	13.35	13.55			
	23	12.42	14.40	15.50	16.30	17.05	16.85	17.40	17.40	17.85	17.75	18.00	19.05	20.20	20.20	21.10	22.75	23.80	25.00	25.90
	24	10.15	12.60	14.20	14.85	16.30	16.60	17.90	18.70	19.25	19.30	18.60	19.10	19.50	18.90	18.90	19.25	19.55	19.50	19.55
	25	9.85	12.70	14.80	16.00	17.15														
	26	8.79		10.90	11.10	11.10	10.85													
	27	10.30	12.40	13.60	14.70	16.95	17.40	19.05	19.80	21.05	20.80	21.30	23.00	24.30	23.55	24.95	26.80	28.85	29.55	30.25
	28	10.76	13.25	14.55	15.75	16.70	16.80	18.50	18.75	19.50	19.70	20.20	20.65	21.35	20.90	21.50	22.60	23.50	23.90	24.40
	29	9.09	11.35	12.20	12.95	13.40	13.30	14.00	14.00	14.10	13.80	13.70	13.85	13.95	13.90	13.90	13.80			
	30	12.42	14.70	15.85	16.65	17.55	17.55	18.55	18.10	18.80	18.30									
	31	12.42	14.65	16.15	17.25	18.50	18.50	19.45	19.80	20.40	19.95	20.55	22.65	22.90	22.95	24.15	26.35	26.75	27.80	29.30
	32	13.18	15.00	15.85	16.70	17.95	18.15	19.00	19.05	19.35	18.90	18.90	19.80	20.45	20.35	20.25	20.70	21.65	21.45	21.80
	33	9.39	11.75	12.70	12.90	13.20	13.10	13.00	12.90											
	34	9.24	11.30	12.45	13.30	14.35	15.05	15.70	15.80	16.00	15.80									
	35	9.09	11.00	11.85	12.05	12.20	12.25	12.40	12.70											
	36	13.33	15.70	17.15	18.35	20.00	20.85	22.65	23.40	24.05	23.75	24.05	24.00	24.20	23.85	24.20	25.70	26.40	26.50	26.90
	37	15.30	18.50	20.20	21.10	23.15	23.30	24.50	25.55	26.25	26.20	26.65	29.00	30.80	30.50	32.35	34.65	35.65	36.20	38.15
	38	13.33	15.25	16.30	17.20	18.00	18.55	19.55	19.45	20.25	19.80	20.45	21.05	21.30	21.00	21.15	21.15	22.10	21.35	
	39	10.76	11.25	11.25	11.50															
	40	13.94	16.90	18.15	19.25	20.30	20.30	20.15	20.05											
	41	11.67	11.90	12.00	11.80															
	42	13.64	16.90	18.50	20.35	22.75	23.45	25.45	26.05	27.85	27.45									
	43	11.51	13.60	14.45	15.15	15.65	16.05	16.00	15.85											
	44	9.24	10.55	10.50	10.80															
	45	14.09	16.80	17.95	18.90	19.95	20.00	21.25	20.65	20.85	19.95	22.00	21.00							
	46	8.79	10.45	11.15	11.40	11.40	11.15													
	47	13.18	15.10	15.65	16.85	18.15	18.40	19.55	19.65	20.65	20.60									
	48	13.48	15.65	16.90	18.15	19.30	19.70	20.65	20.70	20.65	20.60									
	49	11.51	13.80	15.00	16.25	17.80	18.00	19.30	20.00	20.20	19.80	19.85	21.10	21.90	20.95	22.00	22.85	23.75	23.95	24.50
	50	11.21	13.65	15.15	15.85	17.00	17.00	17.70	18.00	18.00	17.50	17.60	17.65	17.85	17.50	17.50				
	51	9.39	11.15	11.95	12.20	12.50	12.30													
	52	10.00	11.15	12.00	12.10	12.20	11.85													
	53	12.12	14.50	15.85	17.10	19.00	19.60	20.00	20.95	20.95	20.60	22.20	21.85	22.60	22.50	22.70	24.10	24.80	24.25	24.85
	54	13.18	15.20	16.15	17.15	18.10	18.00	18.80	19.20	19.20	18.50	18.65	18.50							
	55	11.21	13.90	15.45	16.95	18.95	19.40	21.20	22.05	23.60	24.10	25.40	26.90	28.95	27.65	28.65	31.40	33.40	35.30	36.65
	56	12.42	14.55	15.70	16.25	16.85														
	57	11.51	14.10	15.80	17.50	19.65	20.05	22.50	22.90	24.00	24.30	26.20	26.10	26.65	26.85	27.90	30.50	31.40	32.65	33.95
	58	14.09	16.30	17.25	18.15	19.55	19.75	20.95	20.95	21.75	21.60	24.00	24.05	25.10	25.20	26.70	29.35	29.90	31.45	33.25
	59	14.39	15.85	16.70	17.45	18.35	18.50	19.25	19.30	19.80	19.40	19.40	19.70	20.15						

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	大平2号																			
	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110	
71	12.42	14.45	15.45	16.25	16.95	17.05	18.00	18.10	18.70	18.25	18.40	18.85	19.25	19.10	19.10	19.65	20.35	19.85	19.90	
72	10.61	12.70	13.75	14.35	14.90	14.75	14.85	14.75	15.05											
73	11.82	14.30	15.90	16.80	18.45	18.50	19.45	19.95	20.35	19.40	19.90	19.80	20.15	20.05	20.20	21.75	22.40	23.25	24.40	
74	11.21	13.65	15.15	16.30	17.40	17.65	18.65	18.35	18.70	18.15										
75	11.51	12.85	13.70	13.65																
76	11.36	13.30	14.35	15.20	16.40	16.45	17.25	17.50	18.00	17.15	18.35	17.50	17.90	17.40	17.30	17.70				
77	12.42	14.65	16.00	16.35	17.00	16.85	17.00	16.80												
78	12.27	14.20	16.25	16.50	17.30	17.30	17.80	17.90	18.55	17.90	18.00	18.30	18.75	18.40	18.30	18.95	19.20	19.15	19.05	
79	10.91	13.00	14.45	15.25	16.55	16.75	17.60	18.10	18.65	18.10	18.55	18.75	19.45	19.10	19.35	20.15	21.00	20.80	21.20	
80	12.42	14.00	14.75	15.65	16.70	16.65	16.90	16.95	17.55	17.10	16.05	17.35	17.70	17.25	17.25	17.50		18.05	18.40	
81	10.76	12.45	13.40	14.10	14.80	14.85	15.25	15.05	15.60	15.30	16.05	15.75	16.00	15.60	15.60	15.95				
82	9.85	11.50	12.40	12.75	13.05	12.95	13.05	12.85												
83	13.03	15.65	17.15	18.35	20.25	20.55	21.90	21.85	22.85	22.70	24.10	24.65	25.40	25.25	26.40	27.10	28.90	29.30	30.75	
84	8.33	9.45	9.80	9.85																
85	11.97	14.35	16.20	17.60	19.95	20.30	21.90	22.35	23.95	23.40	23.90	25.10	26.90	26.25	27.10	28.75	25.15	30.95	32.60	
86	12.88	15.05	15.85	16.40	17.20	17.30	17.85	18.05	18.55	18.00	19.00	18.75	19.10	18.70	18.70	18.95				
87	11.97	13.35	14.00	14.55	15.10	15.15	15.40	15.50	15.50											
88	10.15	12.20	13.30	14.35	16.00	16.20	16.85	16.10	17.05	16.60	17.20	17.00	17.35	17.15	17.15	17.30				
89	12.27	13.50	13.75	13.95	14.05															
90	10.45	12.20	12.90	13.45	13.80	13.70	14.15	13.45												
91	10.45	12.05	12.55	12.70	12.85	12.60														
92	12.88	15.70	17.25	18.95	21.45	21.90	23.50	24.35	26.90	26.80	28.30	29.90	32.00	32.00	33.35	36.35	37.75	39.05	41.55	
93	12.42	14.45	15.70	16.95	18.90	19.35	19.95	20.45	21.85	21.15	22.60	23.70	24.90	24.40	25.75	27.10	28.00	28.10	29.05	
94	12.27	14.10	15.00	15.80	16.65	16.75	17.25	17.25	17.45											
95	11.36	14.15	15.80	17.10	18.80	19.45	20.20	20.00	20.95	20.65	21.70	22.45	23.40	23.35	24.05	24.90	25.75			
96	11.06	13.10	14.25	15.30	16.65	16.75	17.55	17.50	18.00	17.70										
97	10.76	11.60	11.80	11.75																
98	10.45	12.50	13.25	14.00	14.85	15.05	15.85	15.75	16.55	16.10	16.10	16.30	16.40	16.20	16.20					
99	10.45	12.30	13.05	13.60	14.85	15.10	15.85	16.15	16.60	16.50	16.20	16.50	16.80	16.50	16.40	16.75				
100	8.79	10.15	10.80	11.30	11.30	11.05														
101	12.27	15.65	17.05	18.40	20.05	20.50	20.95	21.20	22.65	22.30	22.00	22.65	23.40	22.95	23.00	23.65	24.30	24.35	24.65	
102	10.61	11.70	12.60	13.00	13.40	13.15	13.20	13.40												
103	12.12	14.10	15.35	16.25	17.75	17.60	18.40	18.10	18.60	18.15	19.10	19.30	20.00	19.85	20.80	21.95	22.35	23.40	24.65	
104	12.88	14.90	16.35	17.30	18.80	18.60	19.35	19.55	19.90	19.70	20.15	19.60	19.80	19.60	19.65	19.95				
105	10.61	11.30	11.85	11.90	12.45	12.10	12.05													
106	11.82	14.30	15.45	16.35	17.95	18.10	19.40	19.70	20.85	20.90	21.70	22.35	23.50	23.00	23.50	25.60	25.85	26.45	28.15	
107	9.70	12.15	13.45	13.95	14.80	14.55	14.95	15.00	15.00											
108	10.30	11.95	13.05	13.40	14.05	13.85	14.40	14.10	14.35											
109	10.91	12.85	14.40	15.50	17.45	18.20	19.70	20.55	22.15	22.50	24.00	25.50	26.55	27.30	29.15	31.70	33.50	34.75	37.35	
110	7.27	7.80	7.80																	
111	11.21	13.15	14.10	15.00	15.75	15.60	15.65	15.85												
112	10.76	12.45	13.85	14.85	15.75	15.80	15.80	15.80	15.90	15.70	16.20	16.00	16.10	16.10	16.10					
113	10.30	11.00	11.20	11.25																
114	15.91	18.10	19.80	21.00	23.00	23.10		25.30	26.75	27.10	28.10	29.25	31.00	30.50	31.55	33.80	33.40	33.95	35.50	
115	12.88	13.45	13.50	13.65																
116	15.00	18.50	21.00	23.40	26.90	27.55	29.40	30.45	32.80	33.40	35.30	36.95	39.60	38.35	40.60	43.10	44.50	43.75	47.45	
117	12.27	13.50	13.80	14.00																
118	10.00	11.75	12.70	13.80	14.85	14.90	15.60	15.40	16.05	15.50	16.90	15.85	16.00	15.80	15.80					
119	10.76	12.20	12.80	13.05	13.20	13.05	13.35	13.25	13.25	13.10										
120	11.06	13.75	15.80	17.50	19.60	20.10	21.30	22.05	23.00	22.70	24.70	26.65	28.60	29.50	31.70	34.80	36.95	38.00	40.45	
121	8.64	8.75																		
122	13.03	15.20	16.30	17.30	18.65	18.60	19.40	20.05	21.25	21.60										
123	10.15	12.25	13.20	14.05	15.45	15.90	16.45	16.45	17.45	16.65	17.10	17.55	18.40	18.30	18.75	19.85	20.35	20.90	22.25	
124	10.45	12.10	13.20	13.75	14.15	14.05	14.65	14.30												
125	9.39	11.00	10.90	11.10	11.15	11.45														

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

大平2号 ヒノキ 面積 0.0343 ha 1900 年植栽

年度	1925	1930	1935	1940	1947	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
林齢	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
備考	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表	既公表		既公表	既公表	既公表			
	微修正	微修正	微修正	微修正	微修正	微修正	微修正	微修正	微修正	微修正			記録無						
立木No. 1																		18.3	18.9
2										14.9	16.7			18.4	21.8	18.0	18.2	18.1	18.6
3																			
4																			
5																			
6				8.8	10.9	11.0	12.6	12.7	12.7	13.4	13.9	15.1		15.4	19.0	16.7	15.2	18.0	18.0
7																		20.5	20.5
8																			
9				9.0	11.0	11.0	12.2	13.2	14.7	14.3	14.3	15.2		14.9	17.6	16.5		17.9	19.1
10	6.5	7.3	8.3	9.5	11.0	10.9	12.2	12.5	12.8	14.1	14.7	15.5		15.4	17.4	16.3	15.7	16.0	16.0
11																		15.4	15.7
12										14.0	14.3			14.5	15.4	13.1			
13																		17.3	17.5
14	6.6	7.6	8.7	9.3	10.4	10.6													
15																		16.1	16.6
16																		14.0	15.0
17	9.2	9.5	10.5	11.5	13.8	13.6	15.0	16.3	15.9	18.1	17.0	17.8		18.1	21.1	19.9		20.1	21.9
18											15.9	16.9		16.5	19.6	<u>18.1</u>	17.6	17.4	
19																			
20																			
21																			
22										15.5	13.8			13.5	14.8	13.6			
23																		17.9	17.9
24																		15.9	15.9
25																			
26																			
27																		17.9	17.9
28				9.9	11.5	11.9	13.0	13.0	13.7	15.7	14.4	15.5		15.4	17.5	16.6	16.7	16.8	16.8
29																			
30																			
31											15.2	15.0		15.8	19.2	17.4	18.2	17.5	17.5
32								15.1	14.9	15.5	15.1	15.9		15.9	17.8	17.4		16.9	18.0
33																			
34																			
35																			
36																		19.5	19.7
37								16.6	18.0	18.6	17.5	19.0		18.6	24.5	21.5	21.0	23.3	23.3
38																	21.8	22.8	
39																			
40																			
41																			
42																			
43				12.2	13.1	13.1													
44																			
45																			
46																			
47																			
48	7.9	9.5	10.2	11.4	12.1	13.4	14.7	14.8	15.4	16.7									
49																		17.8	18.2
50				10.2	12.2	12.2	13.0	13.3	12.5	13.7	14.3	14.5		14.8	16.4				
51																			
52																			
53										15.7	15.6			15.6	18.0	17.5		17.2	17.5
54																			
55																		19.1	19.8
56																			
57	6.1	8.5	11.8	11.2	12.6	12.9	14.1	14.7	15.1	16.0	14.9	16.3		17.4	19.3	18.8		19.7	19.9
58																		20.2	20.2
59																			
60																		22.3	22.4
61								14.1	13.6										
62																		21.7	21.7
63																			
64																		21.0	21.6
65	9.5	10.6	11.3	12.7	14.5	14.5	15.8	15.9	16.0										
66																		20.1	20.1
67																			
68																		19.5	20.0
69	8.5	9.3	9.8	10.3															
70																		20.5	20.7

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	大平2号																			
	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110	
71																		16.4	16.4	
72																				
73											14.6	15.5		15.4	16.7	16.1	16.7	16.5	16.5	
74																				
75																				
76				10.3	12.3		13.5	14.1	14.2	17.7	14.8	16.2		16.1	20.7	16.6				
77																				
78																		16.8	16.8	
79																		17.1	17.1	
80				10.5	12.7	12.5	13.5	13.9	14.1	14.1	14.6	15.2		14.3	17.1	15.3	15.6	15.1	15.1	
81											14.9	15.0		15.0	16.7	15.7				
82																				
83																		16.8	16.8	
84																				
85											17.5	16.7		18.6	23.2	19.6	20.4	20.3	20.3	
86																				
87								14.3	13.5											
88																				
89																				
90																				
91																				
92								17.8	18.4	20.8	20.4	19.6		19.8	25.0	21.8	19.9	24.1	24.1	
93																		18.8	18.8	
94				13.5	14.2	14.0	15.0	15.0	15.4											
95																				
96				10.8	13.0	13.1	14.6	15.0	15.5	15.9										
97																				
98																				
99																				
100																				
101	7.4	8.0	10.0	10.8	12.8	12.3	13.9	13.4	13.5	14.9	15.0	15.6		15.4	18.8	17.2	18.3	17.5	17.5	
102																				
103																		17.3	17.3	
104																				
105																				
106											15.3	17.9		17.1	19.0	18.5	18.6	19.2	19.5	
107																				
108																				
109				11.3	13.9	13.1	14.9	14.9	15.8	17.3	17.0	18.0		17.4	22.5	18.9	19.6	20.5	20.5	
110																				
111																				
112																				
113																				
114																		25.1	25.1	
115																				
116	11.0	12.5	13.9	14.0	17.5	16.1	18.9	19.6	20.2	21.2	22.3	21.3		22.1	26.5	23.6	25.8	28.0	28.0	
117																				
118																				
119																				
120																		21.5	21.8	
121	7.7	8.0																		
122								15.5	14.4	15.4										
123											14.7	16.0		15.9	21.1	16.9	16.8	15.5	15.6	
124																				
125																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)																							
女滝1号 ヒノキ		面積 0.0419 ha		1903 年植栽																			
年度	林齢	備考	1915	1920	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010	
			間伐					間伐															一方向のみ測定
立木No.	1		8.03	11.14	間伐																		
	2		8.86	11.51	13.33	14.90	16.00	16.80	18.70	19.65	20.35	21.30	21.50	22.60	22.55	24.10	24.35	24.90	26.25	27.35	27.40	27.40	
	3		8.26	10.76	12.73	13.90	15.25	16.10	18.50	20.05	20.60	22.05	22.65	23.10	24.80	26.60	27.00	27.70	29.35	31.60	32.85	35.50	
	4		7.58	10.15	12.04	12.75	13.55																
	5		6.44	8.26	間伐																		
	6		6.97	9.01	11.21	12.80	13.80	15.15	17.95	19.80	20.20	21.25	22.10	22.00	22.90	24.10	24.10	24.70	25.75	26.90	27.10	27.10	
	7		6.51	8.94	11.06	11.85	12.30	13.00	14.60	間伐													
	8		4.32	5.68	間伐																		
	9		8.94	11.06	12.73	13.60	14.55	15.05	17.10	18.45	18.95	19.95	19.50	19.90	20.90	21.40	21.85	22.05	23.45	24.25	24.25	24.50	
	10		8.79	11.14	12.57	13.40	14.35																
	11		10.83	14.54	15.76	18.00	18.80	20.35	22.20	24.20	24.45	26.25	26.20	27.00	27.60	29.55	30.00	30.70	32.50	34.25	34.00	36.50	
	12		7.12	8.71	9.85	10.05	10.55																
	13		5.30	7.04	8.94	9.30	10.25	11.70	13.70	間伐													
	14		7.58	9.92	間伐																		
	15		7.04	8.86	10.07	10.45	10.65	10.85	11.55	間伐													
	16		7.58	9.62	11.06	11.95	12.30	13.00	14.45	16.10	16.45	18.50	18.80	19.90	21.00	22.05	22.45	22.60	23.80	24.95	25.15	26.50	
	17		7.12	8.94	間伐																		
	18		6.82	8.79	10.91	11.95	12.65																
	19		8.94	12.12	14.24	15.10	15.90	16.70	18.25	19.85	20.55	22.05	22.40	23.30	24.10	25.40	25.95	26.40	28.25	29.40	30.50	31.50	
	20		7.27	9.24	間伐																		
	21		6.14	7.88	間伐																		
	22		8.11	10.91	13.33	14.20	15.10	16.15	18.70	20.25	20.30	22.15	22.85	23.60	24.80	26.40	26.95	27.10	29.75	31.20	32.35	35.50	
	23		6.06	7.65	間伐																		
	24		4.92	6.51	間伐																		
	25		8.48	11.82	13.79	15.15	16.45	17.40	20.55	22.55	22.35	24.60	24.25	25.60	26.90	28.30	29.05	30.10	32.50	33.85	34.45	34.50	
	26		5.68	6.89	間伐																		
	27		8.33	11.36	12.88	13.65	14.20																
	28		6.74	8.26	9.17	9.35	9.45																
	29		7.20	8.56	間伐																		
	30		7.20	9.54	間伐																		
	31		7.73	9.62	11.06	11.55	12.15																
	32		4.77	6.51	間伐																		
	33		7.12	9.47	11.44	12.15	12.55																
	34		8.41	10.61	12.50	13.55	14.60	16.00	18.70	20.80	20.65	22.20	22.15	23.20	24.00	25.20	25.95	26.20	28.15	29.15	30.10	32.00	
	35		7.42	9.32	間伐																		
	36		7.58	9.62	10.98	11.75	11.95																
	37		6.21	7.42	間伐																		
	38		7.12	9.92	12.42	14.10	15.40	16.65	20.05	23.15	23.15	24.35	24.50	24.70	26.00	27.30	27.60	28.85	31.20	32.90	33.95	34.50	
	39		5.61	6.36	間伐																		
	40		8.79	12.04	14.54	16.00	17.10	18.65	20.75	22.45	22.80	24.10	24.40	25.10	26.00	27.30	27.55	28.35	29.70	31.20	31.75	34.20	
	41		7.42	10.07	12.04	12.75	13.35																
	42		6.82	8.94	10.91	12.50	13.65	14.95	17.90	19.45	19.35	21.15	19.85	20.50	21.50	22.15	22.20	22.20	22.50	22.95	22.30	23.00	
	43		6.44	8.26	間伐																		
	44		7.58	10.30	12.04	13.10	14.10																
	45		8.64	11.67	13.18	13.60	14.45	14.85	15.70	16.30	16.30	17.50	17.35	17.70	18.30	19.00	19.35	19.35	20.35	20.95	20.15	21.00	
	46		7.88	10.45	12.27	12.75	13.55	14.25	15.95	17.25	17.25	19.45	18.90	19.50	20.20	20.80	20.85	20.85	21.30	21.50	20.95	21.00	
	47		8.94	11.82	14.09	15.00	15.50	16.40	17.90	間伐													
	48		8.56	11.06	12.88	14.55	15.50	16.75	18.80	19.75	20.30	22.10	22.70	23.70	25.40	27.25	28.05	29.25	31.50	33.10	33.70	36.00	
	49		8.48	11.14	間伐																		
	50		9.62	12.57	14.77	15.90	16.70	17.50	19.40	間伐													
	51		9.77	12.12	14.01	15.15	15.85	16.80	18.25	19.75	19.70	20.80	20.40	21.30	21.70	22.85	22.90	23.00	23.75	24.75			
	52		7.73	8.64	間伐																		
	53		8.41	10.30	11.59	12.80	13.35																
	54		7.73	9.77	11.67	12.85	14.05	14.65	16.25	間伐											24.65	25.20	
	55		5.38	6.67	間伐																		
	56		5.83	8.56	10.98	12.30	13.40	14.80	17.40	19.05	19.65	21.95	22.30	23.70	25.40	27.00	28.05	28.75	31.90	33.90	34.55	37.50	
	57		5.53	6.67	間伐																		
	58		6.74	9.24	11.29	12.35	12.70	13.30	14.50	間伐													
	59		6.44	8.56	間伐																		
	60		9.92	13.79	16.44	17.85	19.05	20.40	22.30	24.25	24.50	27.95	27.10	27.90	29.10	30.40	30.30	31.45	33.30	34.75	34.95	37.50	
	61		7.20	8.64	間伐																		
	62		9.85	12.80	15.23	16.55	17.30	18.45	21.30	23.60	24.10	25.85	26.10	27.00	28.40	29.70	30.25	31.15	33.25	35.40	36.15	39.60	
	63		4.55	4.85	間伐																		
	64		7.80	9.39	10.98	11.45	11.65	12.05	12.10	間伐													
	65		6.97	9.24	間伐																		
	66		7.42	9.54	11.06	12.00	12.45	13.00	13.80	間伐													
	67		6.89	9.09	11.14	12.40	13.40	14.55	16.10	間伐													
	68		9.39	12.50	15.07	16.70	18.20	19.75	22.45	24.95	25.05	26.70	27.20	28.10	30.20	31.40	31.45	32.20	34.15	35.60	36.00	35.50	
	69		8.41	11.44	13.94	15.00	16.40	18.40	20.70	21.70	21.40	23.35	22.60	23.10	23.80	24.90	25.00	25.35	26.85	27.30	27.20	26.00	
	70		7.95	10.76	13.18	14.60	15.95	16.90	17.90	19.15	18.75	20.50											

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東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	女滝1号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71	5.98	7.73	間伐																	
72	7.95	10.68	間伐																	
73	6.51	8.79	間伐																	
74	6.29	8.71	10.98	12.95	14.70	15.75	18.25	19.20	19.35	20.35	20.80	21.20	21.70	22.80	22.70	21.50	23.70	24.50	23.90	
75	6.97	9.62	11.51	12.70	13.90	15.00	17.25	18.60	19.15	19.80	19.85	19.90	20.70	21.30	21.35	20.65	21.75	22.25	22.15	
76	7.20	9.62	11.74	13.10	13.85															
77	6.67	8.64	間伐																	
78	5.38	6.97	8.41	8.95	9.00															
79	5.38	7.42	9.85	11.00	11.40	11.75	11.80	間伐												
80	8.48	11.36	14.39	16.65	18.55	19.90	22.90	24.90	25.75	28.45	30.60	32.20	34.80	37.90	38.20	40.00	42.45	44.30	47.65	52.00
81	6.21	8.41	10.38	11.75	12.65	13.40	14.75	間伐												
82	7.80	10.76	12.88	14.50	15.85	16.50	17.65	18.85	18.60	19.65	18.95									
83	6.51	7.73	間伐																	
84	7.65	9.85	12.12	13.90	15.70	17.25	19.75	22.85	23.00	25.35	26.25	27.60	28.40	29.25	30.95	32.30	35.30	37.35	38.85	39.00
85	6.44	8.26	10.00	11.10	11.85															
86	6.59	8.18	間伐																	
87	8.03	10.45	11.97	12.85	13.70	14.40	15.80	16.95	17.20	18.20	18.50	19.90	20.00	20.80	21.20	21.75	22.60	23.10	22.70	
88	8.11	11.14	12.88	14.10	15.30	16.05	18.20	20.05	20.00	21.00	21.25	21.20	21.30	21.70	21.90	22.15	22.70	23.30		
89	7.04	9.77	間伐																	
90	8.56	10.45	11.89	12.95	13.85	15.00	17.70	18.85	18.80	20.50	20.90	21.30	21.70	22.70	22.10	22.40	23.00	23.80	23.40	24.00
91	9.24	12.12	14.09	15.10	16.20															
92	8.41	11.59	13.64	14.90	15.60	16.85	18.60	間伐												
93	8.94	11.74	14.54	15.70	16.95	18.50	20.85	23.10	23.85	25.95	26.60	28.60	28.80	30.10	30.90	31.80	34.55	36.10	37.30	39.50
94	9.24	11.97	14.17	15.30	16.20	17.10	18.80	間伐												
95	9.09	11.51	12.95	13.40	14.00															
96	9.24	12.42	15.15	16.15	17.45	18.75	20.75	22.15	22.70	24.10	24.95	26.30	26.50	29.10	28.20	28.95	31.10	33.25	33.35	36.00
97	8.64	10.61	間伐																	
98	9.09	12.27	14.70	16.40	17.15	18.40	20.75	22.65	22.70	23.85	24.15	25.30	25.70	26.70	27.65	27.80	29.65	30.90	31.45	35.30
99	7.35	9.54	間伐																	
100	4.01	4.24	間伐																	
101	8.79	11.14	13.10	13.95	14.45	15.65	17.45	18.70	19.75	20.00	19.95	20.50	20.75	21.60	21.90	22.15	23.40	24.00	23.40	24.50
102	8.41	10.53	12.12	12.95	14.00															
103	8.03	9.77	11.51	12.45	13.00															
104	8.41	10.61	間伐																	
105	8.71	10.23	11.82	12.65	13.20	14.40	16.35	17.70	18.25	18.75	18.60	19.20	19.40	20.00	20.10	20.15	20.55	20.95	20.65	
106	5.61	5.61	間伐																	
107	10.76	13.33	15.83	17.20	17.75	18.75	21.10	22.65	22.50	24.00	23.45	23.50	23.30	24.25	23.90	23.90	24.35	24.85		
108	9.17	10.91	間伐																	
109	9.39	11.51	14.01	14.25	14.65															
110	6.06	8.79	間伐																	
111	10.23	13.26	15.60	17.05	18.30	19.00	20.70	21.85	21.05	22.35	21.85	22.00	22.20	22.40	22.95	22.95	22.85			
112	5.53	6.06	間伐																	
113	8.48	11.14	13.18	14.45	15.00	16.00	17.50	18.50	18.90	19.65	19.85	19.90	20.20	20.80	21.05	20.65	21.65	22.25	21.95	22.20
114	6.44	7.88	間伐																	
115	7.95	9.70	間伐																	
116	10.15	13.03	14.92	16.10	17.35	18.80	20.50	23.00	23.40	24.25	25.30	25.90	26.40	27.40	27.70	27.50	29.15	30.25	30.50	30.80
117	8.11	10.83	12.88	14.10	15.30	16.40	19.00	20.50	20.85	22.50	23.25	24.50	25.20	26.40	27.00	27.75	30.10	32.50	33.20	34.60
118	5.38	7.20	間伐																	
119	6.74	8.03	間伐																	
120	6.59	8.18	9.17	9.80	10.30															
121	8.11	10.68	12.88	14.45	15.60	17.25	19.60	21.65	22.00	23.75	24.30	24.40	25.50	26.90	26.95	27.70	28.75	30.00	30.40	31.00
122	7.35	9.70	11.36	12.50	12.75	13.35	14.00	間伐												
123	7.88	10.45	間伐																	
124	6.59	8.64	10.38	11.65	12.60	13.35	15.20	間伐												
125	7.65	9.85	間伐																	
126	7.04	9.01	10.76	11.60	12.35															
127	8.48	11.14	13.56	15.05	15.95	16.90	18.60	19.45	19.40	20.85	21.25	22.10	22.50	23.50	23.30	23.65	24.95	25.25	24.90	25.00
128	7.04	9.47	11.67	13.25	14.15	15.10	17.15	間伐												
129	5.23	6.82	間伐																	
130	3.48	4.70	間伐																	
131	5.61	7.65	9.85	11.15	12.30															
132	5.38	7.18	間伐																	
133	7.35	10.00	12.35	13.35	13.80															
134	7.27	9.92	12.42	14.35	16.10	17.85	22.25	24.65	25.50	28.20	29.10	31.20	32.20	34.40	34.65	36.30	38.95	41.95	42.50	45.50
135	6.44	8.41	間伐																	
136	6.29	8.71	10.45	11.65	12.10	12.30	13.20	間伐												
137	7.80	10.38	12.35	13.40	14.30															
138	8.64	11.21	13.03	14.55	15.50															
139	8.79	11.44	13.56	15.05	16.30	17.60	20.35	22.20	22.40	24.40	25.50	26.50	27.80	29.80	29.95	31.70	32.95	34.40	36.65	37.50
140	7.35	9.32	間伐																	
141	9.17	11.82	14.09	15.75	16.60	17.85	19.85	21.30	21.55	22.45	22.60	23.10	23.10	24.15	24.20	24.45	25.40	26.30	25.45	
142	8.11	10.23	11.74	12.65	13.15															
143	8.33	10.83	間伐																	
144	8.41	10.23	11.82	12.50	13.10															
145	9.47	11.67	13.56	14.70	15.70	16.85	18.80	19.85	20.35	21.05	21.20	22.00	21.60	22.70	22.10	23.00	24.60	25.50	25.60	25.70
146	7.65	8.56	間伐																	
147	9.09	11.51	13.94	15.60	16.65	17.75	19.60	21.00	21.30	22.20	22.75	23.20	24.00	25.20	25.15	25.65	26.85	27.65	28.25	29.50
148	8.41	10.07	間伐																	
149	8.26	9.47	間伐																	
150	9.85	12.88	15.15	16.70	17.95	19.85	23.50	25.95	27.00	28.70	29.90	31.20	32.40	34.20	34.40	36.15	38.10	40.50	41.95	43.50

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	女滝1号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
151	9.92	12.50	16.82	14.90	15.45															
152	10.23	13.41	15.60	18.05	19.70	22.05	26.55	29.40	30.00	33.00	34.65	38.50	40.00	39.45	40.50	43.20	46.45	48.70	50.50	54.80
153	8.48	11.14	13.03	14.35	15.30	16.25	18.20	19.80	19.65	20.55	20.50	21.70	20.40	21.15	20.90	21.15	21.30			
154	9.09	10.91	12.88	14.15	15.00	15.95	17.95	間伐												
155	9.77	11.89	間伐																	
156	10.38	12.95	14.85	15.70	16.35															
157	9.92	12.80	15.30	17.15	18.55	20.45	24.45	27.65	28.15	30.65	32.00	33.10	34.30	36.00	36.00	38.10	40.75	43.65	45.45	45.50
158	7.95	10.15	間伐																	
159	8.41	11.06	13.71	15.20	16.25	16.90	18.60	20.60	20.70	21.50	20.80	21.20	21.55	22.00	21.60	21.65	22.05	22.95	22.85	23.00
160	5.45	5.38	間伐																	
161	8.26	10.53	12.95	13.35	13.90	14.35	15.20	間伐												
162	7.80	9.09	10.61	11.90	12.85															
163	6.74	8.56	間伐																	
164	9.77	12.57	15.00	16.90	18.15	19.50	22.00	23.60	23.85	25.25	25.35	25.90	26.00	27.30	27.15	27.90	28.45	29.90	30.05	30.70
165	7.88	10.68	12.57	14.15	15.50	16.10	17.95	間伐												
166	7.50	9.85	間伐																	
167	6.89	9.39	11.36		14.65	15.65	18.65	20.80	21.05	22.90	23.60	25.30	26.10	27.90	27.75	29.15	30.90		33.15	32.00
168	6.82	9.17	11.36		14.15															
169	8.03	10.53	間伐																	
170	7.65	9.39	10.30	10.80	11.25	11.35	11.80	間伐												
171	9.01	11.82	14.24	15.85	16.85	17.85	19.45	20.60	21.10	22.35	22.75	23.40	23.60	24.40	24.60	25.15	26.30	27.40	27.65	27.50
172	7.42	9.77	11.14	12.35	12.95	13.90	15.35	間伐												
173	8.18	10.91	13.03	14.50	15.35	16.05	17.45	15.85	15.90	16.75	16.80	16.80	17.00	17.50	17.20	16.60				
174	6.59	7.88	間伐																	
175	8.26	10.07	間伐																	
176	9.62	12.04	14.17	16.05	17.60	19.25	21.70	24.25	25.25	27.55	28.05	30.60	31.80	33.55	33.95	35.65	38.25	40.90	42.45	43.70
177	8.11	10.91	間伐																	
178	6.97	9.32	11.21	12.65	13.55															
179	7.73	10.68	12.57	13.85	14.65	15.45	16.80	17.20	17.25	17.70	17.60	17.90	17.50	17.90	17.70	17.00				
180	6.51	7.73	間伐																	
181	7.12	9.09	11.06	12.85	14.35	15.65	17.65	間伐												
182	8.18	10.61	12.80	14.55	15.65	16.70	18.50	19.80	20.25	21.75	22.10	23.60	24.20	26.10	26.55	27.80	30.15			
183	6.51	8.33	間伐															31.70	32.55	32.80
184	6.97	7.88	間伐																	
185	8.64	11.21	13.18	14.25	14.80	15.15	16.50	17.15	17.50	18.40	17.40	18.00	17.70	18.25	18.50	17.55				
186	7.95	10.76	間伐																	
187	8.03	9.85	11.29	11.75	11.90															



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

女滝1号 ヒノキ 面積 0.0419 ha 1903 年植栽

年度 林齢 備考	1915	1920	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
	間伐				間伐				欠測扱い											
立木No. 1																				
2														17.2					22.8	22.9
3						10.6	12.8	14.8	14.8	15.3	17.1	16.9	16.0	19.3	19.1		21.8	22.2	24.0	24.3
4																				
5																				
6														19.5					21.2	21.5
7																				
8																				
9														18.8					20.5	21.5
10																				
11	6.2		10.3											18.5					22.1	22.3
12																				
13																				
14																				
15	5.7		8.2																	
16									12.8	13.4	14.4	14.5	16.6	15.8	16.8		19.7	19.2	20.4	21.4
17																				
18																				
19														17.0					21.8	21.8
20																				
21	5.2																			
22						11.3	12.9	14.0	14.6	15.6	18.7	17.2	18.4	19.2	19.1		24.0	24.7	22.7	22.9
23																				
24																				
25														20.1					22.7	23.5
26																				
27																				
28	5.1	6.3	6.9	8.2	8.4															
29																				
30																				
31																				
32																				
33																				
34														20.6					23.7	23.9
35																				
36																				
37																				
38						11.6	13.9	15.8	15.1	16.1	17.0	18.1	20.8	19.5	19.7		23.8	22.4	22.6	22.6
39																				
40														18.5					22.2	23.6
41																				
42														18.6					19.5	19.5
43																				
44																				
45														17.5					19.6	19.6
46														17.0					19.8	19.8
47						10.6	12.4													
48														17.5					21.7	22.1
49																				
50																				
51	6.4		9.9	9.7	10.8	10.8	12.4	17.9	13.2	14.4		15.5	16.4	16.8	15.6		19.5	19.3		
52																				
53																				
54																			20.3	21.2
55																				
56														19.0					23.4	24.6
57																				
58																				
59																				
60									15.1	15.7	17.0	17.8	19.0	18.5	19.6		23.2	23.5	21.8	23.5
61																				
62														19.6					25.9	25.9
63																				
64	5.7	6.7	8.1	8.7	9.8	9.2	11.3													
65																				
66																				
67																				
68	5.8	7.0	8.9	9.3	10.7	11.1	13.1	14.7	15.0	15.5	16.7	17.0	19.1	19.5	20.0		22.1	21.7	22.4	23.8
69														19.4					22.1	23.8
70														17.0					20.4	

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	女滝1号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71																				
72																				
73																				
74														18.7					24.7	
75									14.4	16.2	16.3	17.6	18.0	21.8	19.5		22.5	22.1	20.5	
76	5.1		7.8	8.9																
77																				
78																				
79																				
80														19.7					23.6	25.0
81																				
82																				
83																				
84	5.1		8.1											21.1					24.5	24.5
85																				
86																				
87					10.3		13.1	14.1	14.8	15.4	16.2	17.0	19.2	20.8	19.5		21.5	21.1	21.4	
88														19.1						
89																				
90														20.0					21.1	21.9
91																				
92	5.9	7.1	8.8	10.1																
93						12.1	14.0	15.1	15.0	20.3	17.1	17.5	18.6	20.0	19.1		24.2	22.2	22.8	24.5
94																				
95	6.6	8.2	8.9	9.9	10.7															
96																				
97														20.5					22.4	22.5
98																				
99																				
100																				
101														17.3					20.2	20.9
102																				
103	5.8	6.5	7.8	8.8	9.4															
104																				
105												15.1	16.4	16.8	17.5		19.6	19.9	22.5	
106																				
107														17.8						
108																				
109																				
110																				
111								16.1	16.8	17.1	17.2	17.9	19.0	19.0			20.5			
112																				
113						11.7	13.9	16.1	18.5	16.4	17.0	17.1	18.5	19.0	18.9		22.1	20.6	20.3	21.6
114																				
115																				
116														19.0					22.3	23.8
117						11.4	14.5	15.0	15.3	16.2	17.3	18.6	20.2	20.0	19.4		23.0	27.2	23.2	24.0
118																				
119																				
120																				
121														19.9					22.9	24.6
122	5.7	6.6	8.0	8.8	10.2	11.1	12.8													
123																				
124																				
125																				
126																				
127												16.5	17.2	17.9	18.0		22.0	21.7	21.9	22.4
128																				
129																				
130																				
131																				
132																				
133	5.0	6.3	7.0	8.5	9.9															
134														21.0					24.6	25.8
135																				
136	5.2	6.5	7.2	8.9	10.7	10.0	12.2													
137																				
138																				
139									15.4	16.5	17.8	18.3	19.7	20.0	19.2		23.0	24.6	24.4	25.4
140																				
141														18.9					20.9	
142																				
143																				
144																				
145	6.2	7.5	9.3	9.9	11.2		14.0	14.5	15.3	16.1	16.9	17.1	18.7	19.5	19.7		22.5	21.3	22.6	24.0
146																				
147														18.6					22.5	22.5
148																				
149																				
150								16.7	19.2	18.9	19.6	20.8	20.7	21.9			24.3	24.5	24.6	26.3



當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	女滝1号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
151																				
152												18.3	20.9	21.9	22.0		23.5	23.9	25.0	25.8
153														16.8						
154																				
155																				
156	7.2	8.5	10.1	10.4	11.3															
157												18.5	20.9	21.7	21.0		23.9	24.1	24.8	25.6
158																				
159																				
160														20.0					22.8	23.5
161																				
162																				
163	5.4																			
164															19.8				22.3	22.3
165																				
166																				
167															19.6				22.7	23.7
168																				
169																				
170																				
171															18.3				21.7	22.7
172	5.2	6.5	8.4	9.5	11.7	10.7	13.2													
173								14.3	14.3	15.1	15.8	15.3	16.7	17.5	17.1					
174																				
175																				
176															20.4				24.7	25.8
177																				
178																				
179															16.7					
180																				
181	5.6	7.4	6.3	10.1	10.9	11.5	14.4													
182												17.4	18.9	21.3	20.1		23.1			
183																		23.3	23.3	24.0
184																				
185															16.3					
186																				
187																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

女滝2号 ヒノキ 面積 0.0207 ha 1903 年植栽

年度 林齢 備考	1915	1920	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010													
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107													
	間伐			間伐			間伐														一方向 のみ測 定												
立木No.	1	5.38	7.20	9.70	12.55	14.50	15.90	18.80	21.10	21.60	24.00	25.70	28.10	30.00	33.15	33.85	36.50	38.95															
	2	6.74	9.54	12.88	16.00	18.50	19.60	21.85	23.50		26.65	26.60	27.50	29.90	31.90	32.40	33.75	37.25	38.55	39.60	41.00												
	3	4.85	6.67	8.64	11.50	13.45	14.25	17.00	18.85	19.05	21.00	21.10	21.30	22.20	24.10	24.30	24.90	26.80	27.75	28.00	29.00												
	4	3.79	5.30	6.67	7.75	8.20	間伐																										
	5	2.42	3.48	4.62	5.80	6.45	6.35	7.00																									
	6	6.14	7.73	9.70	11.95	13.35	14.10	16.45	18.40	19.40	20.95	22.50	23.50	24.60	26.70	27.05	28.25	31.40	33.10	33.30	34.40												
	7	3.86	5.00	6.36	8.25	9.40	10.85	13.35	15.15	15.05	16.10	16.00	16.10	16.10	16.75	16.55	16.70	17.25	17.85	17.95	18.00												
	8	5.00	6.67	8.79	11.00	12.25	12.50	14.20																									
	9	2.88	4.09	7.12	7.55	8.95	9.10	10.60	11.95	11.70	12.60	13.15	13.10	13.40	13.60	13.60	13.30	13.35															
	10	3.64	4.92	7.27	8.80	10.30	10.80	12.55																									
	11	5.61	7.65	10.15	12.10	13.70	14.80	17.25	19.00	19.15	20.65	21.20	21.50	22.50	24.20	24.20	25.00	26.55	29.00	28.85	30.50												
	12	3.03	4.70	6.21	8.30	9.65	10.10	11.65	13.00	13.40	14.65	15.20	16.00	16.90	18.30	17.80	18.25	20.95	23.15	24.80													
	13	3.18	5.23	8.03	10.65	12.30	12.95	15.90	18.35	19.65	18.85	19.20	20.30	20.50	21.60	21.45	21.75	23.20	23.65	24.15	26.50												
	14	3.18	4.55	5.83	7.35	7.80	間伐																										
	15	4.09	5.98	8.56	11.35	12.80	13.40	16.10	18.10	18.85	22.30	23.95	26.00	29.10	30.65	31.25	33.25	37.45	42.00	45.75	48.00												
	16	2.42	3.56	4.85	5.95	6.10	6.20	6.25						23.40	24.00	26.00	26.10	27.25	29.45	30.95	32.15	34.80											
	17	3.33	5.30	7.50	9.95	11.70	12.75	15.25	17.05	17.40	19.45	20.80	22.40	23.20	24.90	25.25	26.25	27.95	29.75	30.10	31.40												
	18	2.12	3.33	4.70	6.10	6.80	間伐																										
	19	3.03	4.92	7.20	9.30	11.00	11.75	13.95	15.35	16.15	17.85	18.35	19.50	20.50	21.80	21.85	23.00	24.95	25.95	26.10	26.10												
	20	3.18	4.62	6.74	8.75	9.75	10.15	10.95																									
	21	4.77	6.67	8.79	10.50	12.25	12.90	14.80	15.75	16.00	17.10	17.20	17.30	17.60	17.90	18.00	17.85	18.30															
	22	4.39	6.21	8.41	10.30	11.90	12.85	15.10																									
	23	5.76	8.11	10.15	11.05	11.65	11.90	12.35																									
	24	4.55	6.59	8.41	9.40	10.15	10.45	11.05																									
	25	5.15	7.42	9.39	11.45	12.50	13.10	14.85	18.35		18.50	19.25	20.80	22.20	24.00	24.20	25.50	28.60	31.15	31.45	32.00												
	26	4.39	6.44	8.18	9.40	10.25	間伐																										
	27	5.15	6.89	8.18	9.30	9.45	9.80	10.50																									
	28	5.30	7.20	8.94	10.65	11.50	11.85	13.45																									
	29	4.85	6.67	8.48	10.05	11.25	11.45	12.95	13.60	13.95	14.60	14.50	15.10	15.40	15.90	16.00	16.25	16.85	17.45	16.95													
	30	5.53	7.65	9.47	11.00	12.35	13.05	14.60	15.35	15.45	16.25	16.75	17.30	18.10	19.10	19.30	19.50	20.70	22.00	22.40	22.80												
	31	4.77	6.44	7.27	7.95	8.00	間伐																										
	32	5.00	6.59	8.33	9.10	9.65	9.75	9.70																									
	33	5.53	7.73	9.70	11.60	12.70	13.10	15.05	15.75		16.80																						
	34	6.51	9.24	11.82	14.30	16.05	16.50	19.30																									
	35	5.08	6.97	8.79	10.05	10.65	10.90	11.90																									
	36	4.55	6.82	8.86	11.05	12.10	12.60	14.10	14.70	15.80	16.40	17.30	18.20	18.90	20.30	19.75	19.95	21.20	21.90	21.75	22.80												
	37	6.67	8.56	11.21	13.55	14.75	15.00	16.00																									
	38	4.17	4.20	間伐																													
	39	6.14	8.18	10.61	12.70	14.35	14.85	16.25	16.85	17.65	18.35	18.90	19.50	19.90	21.10	21.10	20.50	22.85	23.60	23.50	25.80												
	40	5.15	7.04	9.24	11.20	12.75	14.05	16.80	18.20	18.95	20.25	20.90	21.80	22.80	24.10	24.25	24.90	27.20	28.80	28.00	28.20												
	41	3.94	5.00	6.44	6.85	7.20	間伐																										
	42	5.61	7.42	9.39	11.20	12.45	13.20	15.20																									
	43	7.12	9.39	12.12	14.35	15.75	16.70	19.55	21.35	21.60	23.20	24.00	24.90	26.80	28.75	28.70	30.90	33.30	35.25	35.40	36.80												
	44	5.91	7.50	9.54	10.80	11.95	間伐																										
	45	4.70	5.83	間伐																													
	46	5.15	6.74	8.33	9.50	10.05	間伐																										
	47	9.09	11.51	13.79	15.95	17.70	19.10	21.70	23.10	23.10	25.00	24.00	24.50	25.70	27.05	26.50	27.00	28.40	30.05	30.20	31.50												
	48	4.24	5.23	6.21	6.75	6.90	間伐																										
	49	7.12	9.47	11.36	12.75	14.50	15.15	17.30	19.00	18.90	20.65	21.10	22.20	23.50	25.10	25.65	26.75	29.15	31.00	32.25	34.00												
	50	7.12	9.54	11.21	11.75	11.90	間伐																										
	51	8.94	10.98	13.03	14.75	15.60	16.70	18.35	19.30	19.25	19.95	20.20	20.60	20.80	21.40	21.30	21.00	21.25															
	52	5.45	6.97	8.26	9.15	9.70	間伐																										
	53	8.94	8.56	10.61	11.65	12.70	13.25	14.90	15.15	15.10	15.70	15.75	15.80	15.70	16.30	16.15	15.75	16.25															
	54	5.30	7.27	9.01	10.55	12.05	13.20	15.80	17.00	17.80	19.00	19.60	20.90	21.35	23.10	22.90	23.75	25.50	27.30	26.95	28.30												
	55	4.24	6.44	8.26	9.60	10.80																											
	56	5.00	6.50	間伐																													
	57	5.45	7.73	10.00	11.70	13.10	14.20	16.55	17.35	17.50	18.15	18.40	19.20	19.30	20.25	19.95	20.25	20.90	21.65	21.30	21.50												
	58	3.94	5.68	7.65	8.90	9.90																											
	59	5.30	6.89	8.64	9.55	9.70	間伐																										
	60	6.67	8.86	10.98	12.35	13.25	13.85	15.45	16.10	16.35	16.55	16.75	16.40	16.80	17.00	16.95	16.60																
	61	6.97	9.80	間伐																													
	62	8.03	10.61	13.48	15.55	17.40	18.65	21.85	23.95	24.45	25.65	26.00	27.00	28.00	29.50	29.55	30.50	30.35	32.60	33.95	32.00												
	63	4.92	6.90	間伐																													
	64	6.36	8.94	11.51	13.65	15.00	16.30	19.35	21.05	21.40	23.25	25.40	26.40	28.20	29.95	30.45	32.50	32.30	37.85	40.15	42.20												
	65	5.91	7.35	8.71	8.95	9.05	間伐																										
	66	7.88	10.98	13.41	15.40	16.40	17.45	19.05	20.00	19.95	20.50	20.50	20.40	20.30	20.55	20.75																	
	67	7.27	10.30	間伐																													
	68	8.64	10.91	13.18	14.60	15.65	16.15	17.10	17.25			17.20																					
	69	5.00	5.50	間伐																													
	70	8.18	10.53	12.88	14.05	15.20	15.95	18.35	19.55	19.95	21.05	21.80	22.70	22.90	23.75	24.10	24.90	25.60	26.75	26.50	27.20												

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	女滝2号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71	7.04	9.10	間伐																	
72	8.11	10.45	13.26	14.80	15.70	16.30	16.95													
73	7.04	11.50	間伐																	
74	6.14	7.70	間伐																	
75	8.18	11.14	14.70	16.35	18.15	19.40	20.20	21.70	22.50	24.90	25.10	26.00	27.60	28.65	28.95	29.95	32.35	34.25	35.45	37.00
76	4.55	5.80	間伐																	
77	3.03	3.00	間伐																	
78	5.45	7.04	7.88	8.20	8.35	間伐														
79	8.03	10.98	13.94	15.35	16.65	17.55	22.85	24.65	25.95	27.80	28.75	30.70	31.60	33.30	33.85	35.00	37.60	39.10	40.35	43.20
80	4.85	6.82	8.71	10.10	10.50	間伐														
81	5.68	7.04	8.18	8.70	8.80	間伐														
82	6.82	9.10	間伐																	
83	7.27	10.38	12.95	14.45	15.65	16.65	18.50													
84	4.92	6.30	間伐																	
85	8.71	11.74	14.01	14.60	14.60	間伐														
86	8.03	10.76	13.86	15.75	16.55	17.70	19.85													
87	4.85	4.70	間伐																	
88	8.33	10.38	13.18	15.35	17.45	19.50	23.00	25.40	26.25	28.00	29.40	31.50	33.20	34.90	34.95	37.75	39.10	42.00	43.90	46.30
89	4.39	5.10	間伐																	
90	5.08	5.30	間伐																	
91	7.95	10.07	11.51	11.95	12.25	間伐														
92	8.11	10.68	13.48	15.65	17.45	18.90	21.80	24.30	24.75	26.90	28.50	30.50	32.50	34.65	35.50	36.50	40.45	42.90	44.00	42.00
93	7.12	8.70	間伐																	
94	4.85	5.30	間伐																	
95	6.06	7.73	9.24	10.05	10.30	10.50	10.50													
96	7.35	9.00	間伐																	
97	7.80	10.60	間伐																	
98	7.20	9.01	10.76	11.40	11.90	間伐														
99	6.06	7.04	7.95	8.05	8.00	間伐														
100	8.71	10.98	13.86	15.10	16.30	17.50	20.00													
101	7.35	9.80	間伐																	
102	8.18	10.98	14.09	16.05	17.50	18.50	21.60	22.65	23.40	25.10	26.90	29.30	29.80	31.30	32.10	34.25	35.75	37.65	37.60	39.00
103	3.64	3.30	間伐																	
104	7.58	9.17	11.21	11.40	11.55	間伐														
105	5.83	6.30	間伐																	
106	8.48	10.68	12.80	14.25	15.25	15.55	17.30	18.50	19.75	21.00										
107	8.41	11.14	13.94	15.05	16.45	17.00	18.10													
108	7.58	9.20	間伐																	
109	6.21	7.95	9.85	10.00	10.05	間伐														
110	7.88	12.50	間伐																	
111	6.51	8.94	11.51	12.60	13.50	14.20	14.80													
112	6.06	7.00	間伐																	
113	8.79	11.00	14.09	15.05	15.65	16.05	16.70	17.90	19.15	20.25	20.60	21.60	22.10	22.80	23.05	23.05	24.75	25.55	25.60	
114																				25.00

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高 (m)

女滝2号 ヒノキ 面積 0.0207 ha 1903 年植栽

年度 林齢 備考	1915 12	1920 17	1925 22	1930 27	1935 32	1940 37	1950 47	1957 54	1960 57	1965 62	1970 67	1975 72	1980 77	1983 80	1985 82	1991 88	1996 93	2000 97	2006 103	2010 107
			間伐			間伐		間伐												
立木No. 1														15.0						
2	4.8	6.0	8.0											18.9					21.2	22.5
3						7.7	10.0	11.3	12.9	14.0	15.4	15.0	16.6	16.0	16.3	18.9	19.1	20.4	17.2	18.0
4																				
5																				
6														16.2					21.6	22.6
7														12.7					12.9	14.2
8																				
9											14.3	12.8	12.7	13.3	12.3	13.3				
10																				
11						8.9	10.7	12.5	12.7	13.6	14.6	15.1	17.0	16.7	17.7	19.9	20.1	18.6	23.1	23.1
12														13.2					19.1	
13									12.1	13.3	13.5	15.4	16.7	16.9	18.8	19.9	19.9	20.4	20.4	22.0
14																				
15														16.9					21.8	21.8
16														18.3					21.4	22.3
17														16.0					18.6	19.0
18																		23.0		
19									11.2	13.4	14.1	15.2	16.2	16.6	16.9	18.0	18.2	20.0	20.7	20.7
20																				
21														15.6						
22																				
23																				
24																				
25														17.8					22.5	23.3
26																				
27																				
28	4.0	4.9	6.0																	
29														17.9					19.8	
30														19.1					21.2	21.5
31	4.2	5.9	6.8	7.9	8.7															
32																				
33	4.6	5.8	6.7	8.0	8.7	10.1	11.6	13.5	13.1											
34																				
35																				
36														17.4					21.8	22.9
37																				
38																				
39						9.8	12.3	13.6	14.5	14.4	16.2	16.1	17.5	17.1	16.7	19.8	20.2	20.6	21.0	22.5
40														18.0					20.3	20.9
41																				
42																		24.4		
43									15.0	15.3	16.3	17.2	18.5	19.0	19.8	19.9	22.3	22.8	23.5	23.7
44																				
45																				
46																				
47	6.1	7.7	9.3	10.4	12.2	12.5	15.2	15.5	16.6	18.4	19.0	19.1	20.2	20.7	19.3	21.9	24.9	24.4	24.0	25.9
48																				
49	5.3	7.0	7.6	10.5	10.7	11.4	14.4	14.6	12.8	16.9	19.1	17.9	19.6	20.0	20.4	22.1	23.4	20.4	25.4	26.3
50																				
51														19.5						
52	4.6	5.9	7.4																	
53	4.3	5.6	7.1	8.0	10.0						16.4	18.3	18.3	19.7	21.2	18.6				
54														20.3					25.4	27.0
55																				
56	4.2																			
57	4.1	5.4	7.1	7.8	10.3	10.5	12.8	13.6	14.6	15.9	16.5	16.7	18.7	18.9	19.2	19.6	21.9	21.6	23.1	23.1
58																				
59																				
60														19.6						
61																				
62	5.2	7.2	8.4	10.6	12.5	12.8	15.5	16.8	21.9	18.1	19.0	18.5	21.5	21.5	21.9	21.1	20.2	22.3	24.0	24.0
63																				
64														21.6					25.3	26.2
65																				
66									16.4	17.6	18.4	19.2	20.1	20.2	20.1					
67																				
68																				
69																				
70														20.9					25.3	25.5

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料


樹高	女滝2号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	82	88	93	97	103	107
71																				
72																				
73																				
74																				
75			9.3	11.2	13.0	13.6	16.7	17.5	18.9	19.1	19.8	20.5	22.5	22.0	22.6	25.5	25.4	28.2	26.6	26.9
76																				
77																				
78																				
79	5.9	8.0										20.4	21.7	22.1	22.5	26.4	25.0	26.4	27.2	27.9
80																				
81																				
82																				
83																				
84																				
85																				
86																				
87																				
88									18.7	19.4	20.2	21.2	22.1	22.5	24.0	24.0	25.6	26.0	25.4	25.9
89																				
90																				
91																				
92														22.8					26.8	26.8
93																				
94																				
95																				
96																				
97																				
98	5.2	7.3	8.6	10.0	12.1															
99																				
100																				
101																				
102									18.7	19.2	19.7	20.8	22.0	20.7	22.0	24.4	24.0	24.6	26.5	26.5
103																				
104																				
105																				
106																				
107	6.2	7.6	9.5	10.8	13.2															
108																				
109	5.3	7.0	8.3	9.5	10.7															
110																				
111						12.9	15.2													
112																				
113														20.9		24.2	24.0	22.7		
114																				23.5

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)																								
女滝3号	スギ	面積	0.0359 ha	1903 年植栽																				
年度	1915	1920	1925	1930	1935	1940	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010				
林齢	12	17	22	27	32	37	47	54	57	62	67	72	77	80	83	88	93	97	103	107				
備考	間伐			間伐																	一方向 のみ測定			
立木No.	1	5.30	5.15	間伐																				
	2	7.88	10.00	11.51	11.70	11.60	間伐																	
	3	6.89	9.39	間伐																				
	4	7.50	9.62	12.20	13.30	14.30	15.10	16.45																
	5	10.30	12.42	15.15	17.40	18.80	間伐																	
	6	9.47	11.97	14.62	16.20	17.70	19.35	22.05	24.25	24.75	25.80	26.20	26.70	27.00	27.80	27.70	27.50	28.20	28.60					
	7	6.67	10.30	間伐																				
	8	10.45	12.73	間伐																				
	9	8.03	10.91	15.30	19.10	22.35	26.35	33.65	37.85	40.10	42.55	43.95	47.50	49.00	52.90	54.70	57.40	60.00	64.35	64.30	65.00			
	10	5.91	7.58	間伐																				
	11	6.97	9.77	12.57	14.00	14.60	15.05	15.20																
	12	8.48	10.00	間伐																				
	13	7.88	11.67	16.51	19.60	22.65	25.30	30.60	33.95	35.75	37.60	39.65	41.30	44.00	46.35	47.00	49.50	53.10	55.85	56.05	61.20			
	14	6.36	7.88	10.53	11.10	11.25	間伐																	
	15	6.51	8.03	9.39	9.55	9.40	間伐																	
	16	7.73	8.79	間伐																				
	17	4.92	6.67	間伐																				
	18	7.04	9.09	12.42	14.50	15.80	17.25	19.95	21.05	21.60	22.55	22.30	22.60	23.00	23.10	23.20	23.25	24.15	23.60	23.15	23.90			
	19	7.12	8.48	間伐																				
	20	6.06	7.58	8.33	8.40	8.35	間伐																	
	21	8.11	9.39	間伐																				
	22	9.77	13.33	17.42	20.25	22.70	26.10	31.50	35.35	37.30	39.85	42.00	44.50	47.50	50.40	51.30	53.50	59.00	61.00	61.85	64.20			
	23	8.94	12.12	間伐																				
	24	7.73	9.70	間伐																				
	25	6.36	7.27	間伐																				
	26	5.68	6.36	間伐																				
	27	10.83	13.26	15.68	16.90	17.55	17.70	18.25																
	28	9.54	10.61	間伐																				
	29	10.61	12.42	間伐																				
	30	7.73	9.17	11.06	11.55	11.40	間伐																	
	31	8.56	11.44	14.70	16.45	17.85	19.20	21.80	22.90	23.40	24.20	24.50	25.20	26.20	27.20	27.15	27.30	28.70	29.25	29.65	30.20			
	32	6.97	11.82	間伐																				
	33	8.86	12.80	16.82	19.20	21.35	23.05	25.90	26.95	27.60	28.80	29.20	29.20	29.50	30.10	30.00	30.75	30.50	31.10	30.35	31.20			
	34	11.82	16.36	21.82	24.95	27.75	30.35	33.60	36.20	37.05	39.20	40.20	41.50	42.40	44.00	44.20	45.25	46.55	47.90	48.25	51.00			
	35	7.58	9.39	間伐																				
	36	7.80	8.79	間伐																				
	37	10.00	12.73	14.85	16.05	16.25	16.40	16.35																
	38	10.91	13.79	17.12	18.85	20.05	21.00	22.95																
	39	10.68	13.33	15.91	17.60	18.40	間伐																	
	40	10.91	13.03	間伐																				
	41	10.00	11.82	14.39	16.80	19.35	22.15	27.15	30.20	31.75	34.05	35.15	36.90	38.80	40.95	41.10	43.35	44.35	46.00	47.75	48.40			
	42	10.76	13.18	16.06	18.05	20.20	22.35	26.45	29.00	30.15	31.55	32.10	32.90	34.40	35.30	35.35	35.35	36.75	37.75	38.20	38.50			
	43	9.09	10.30	11.44	11.80	11.90	間伐																	
	44	12.27	13.94	間伐																				
	45	11.06	13.26	14.54	15.50	15.60	間伐																	
	46	12.65	15.68	19.54	22.00	21.95	間伐																	
	47	11.36	14.54	18.71	21.90	24.00	26.05	30.15	31.65	33.25	33.95	34.25	35.60	35.50	37.20	36.70	37.50	39.30	39.10	40.15	40.20			
	48	8.41	10.15	11.29	11.70	11.75	間伐																	
	49	10.76	12.57	15.00	15.05	15.00	14.70																	
	50	12.12	15.76	21.51	25.60	28.25																		
	51	10.30	11.51	間伐																				
	52	6.14	6.67	間伐																				
	53	10.00	10.91	間伐																				
	54	8.48	8.94	9.85	10.05	10.00	間伐																	
	55	10.00	10.76	11.82	12.30	12.40	間伐																	
	56	13.03	15.15	間伐																				
	57	13.64	15.07	17.57	18.85	19.60	20.15	21.35																
	58	8.86	9.85	10.98	11.65	11.90	12.05	12.40																
	59	10.61	11.21	間伐																				
	60	9.70	10.61	11.97	12.30	12.45	間伐																	
	61	12.88	14.54	16.67	17.95	19.25	20.10	20.20																
	62	11.67	12.88	14.85	14.15	15.35	間伐																	
	63	11.44	14.24	17.12	18.45	20.00	21.25	23.70	24.55	25.25	26.65	25.50	26.10	26.00	27.00	27.00	27.15	27.00	27.70	27.95	28.00			
	64	10.30	10.91	間伐																				
	65	10.91	12.42	14.09	15.15	15.35	間伐																	
	66	12.73	15.07	17.42	18.90	20.10	21.10	22.70	23.05	23.30	23.70	23.65	24.00	24.10	24.30	24.15								
	67	10.30	11.74	14.17	15.40	16.30	17.20	17.60																
	68	10.61	11.44	12.12	11.95	11.85	間伐																	
	69	12.57	16.51	20.98	15.25	27.10	30.00	31.25	31.75	32.80	32.70	33.00	33.00	34.40	34.05	34.15	35.10	36.00	37.20	36.50				
	70	9.39	11.21	13.64	15.25	16.35	間伐																	



當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	女滝3号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	83	88	93	97	103	107
71	11.97	15.38	20.00	22.90	26.45	29.60	34.75	37.55	39.45	42.05	45.50	50.85	52.05	54.80	55.80	63.75	65.00	66.25	68.10	71.50
72	8.94	10.98	13.33	14.25	14.45	間伐														
73	10.23	11.89	13.79	15.10	15.70	間伐														
74	7.73	9.09	間伐																	
75	7.80	9.54	11.14	11.45	11.60	間伐														
76	11.21	11.82	間伐																	
77	7.88	9.32	10.76	11.10																
78	13.03	16.13	18.79	20.20	21.30	22.30	23.00	23.45	23.60	24.00	24.00	24.40	23.90	24.80	24.65	24.80	24.75	25.75	24.80	
79	10.68	12.42	間伐																	
80	11.29	13.10	15.38	17.05	17.35	17.75	18.05													
81	9.92	10.91	間伐																	
82	11.06	13.56	16.36	19.15	21.10	23.70	28.10	31.40	31.85	34.70	35.65	39.00	38.20	40.15	40.50	41.75	43.70	45.00	44.95	46.50
83	7.58	7.88	間伐																	
84	9.85	11.21	間伐																	
85	10.00	10.30	間伐																	
86	10.98	14.54	19.09	20.35	22.15	23.35	25.85	27.85	28.05	29.65	31.00	32.30	32.90	35.10	34.65	36.15	38.25	39.50	39.65	42.50
87	10.23	10.91	間伐																	
88	12.20	17.12	19.70	22.45	25.00	28.40	32.85	34.95	35.45	37.00	38.00	39.60	39.60	40.50	40.25	41.20	40.45			
89	12.73	15.38	18.18	20.25	22.20	24.00	26.90	28.90	29.70	30.90	31.90	34.00	34.50	35.90	36.05	37.40	39.45	40.35	41.40	42.50
90	10.38	11.59	12.95	13.30	13.35	間伐														
91	9.54	11.21	間伐																	
92	12.12	15.00	17.57	18.45	19.05	19.60	20.45													
93	13.18	16.36	20.30	23.25	25.90	28.80	33.45	36.15	36.50	38.30	40.20	41.60	43.70	45.80	45.80	47.45	48.90	52.25	53.10	55.80
94	9.85	11.06	12.35	12.95	13.00	間伐														
95	10.15	12.04	14.77	15.25	15.80	16.60	17.30													
96	11.74	13.71	15.76	17.00	17.50	間伐														
97	10.83	14.62	17.95	20.50	21.95	23.90	27.35	30.20	31.35	31.70	33.75	36.40	36.90	38.40	38.20	40.75	41.50	43.70	43.75	47.50
98	8.48	9.70	10.61																	
99	10.53	14.17	17.27	19.40	21.00	23.35	26.70	28.10	28.45	29.20	29.25	30.10	29.80	30.40	30.05	30.05	30.20			
100	10.07	11.44	13.10	13.05	13.00	間伐														
101	8.64	9.39	間伐																	
102	9.92	10.61	間伐																	
103	10.15	11.21	間伐																	
104	10.61	13.03	15.53	16.55	17.10	間伐														
105	7.27	7.58	間伐																	
106	11.29	13.86	16.06	17.45	19.20	19.70	20.35													
107	9.70	11.82	間伐																	
108	11.06	14.17	17.65	20.00	22.05	23.90	28.80	31.10	31.90	35.20	35.00	35.10	37.80	39.40	39.65	41.05	42.60	43.60	44.65	46.00
109	10.15	13.94	17.57	19.15	20.85	間伐														
110	6.14	7.58	間伐																	
111	9.70	12.12	14.54	16.60	18.75	20.10	22.75													
112	10.15	12.27	13.86	14.80	15.45	間伐														
113	5.30	5.76	間伐																	
114	13.48	16.74	20.76	23.40	26.20	29.35	34.35	38.15	38.70	41.75	44.20	46.30	50.00	52.80	53.30	57.10	61.20	58.80	61.20	64.00
115	10.15	13.56	17.57	20.65	23.50	26.55	31.05	33.40	34.00	35.70	36.70	39.00	40.10	42.20	42.55	44.75	46.25	48.50	50.15	54.40
116	9.70	13.18	17.57	19.75	21.40	22.50	24.75	26.15	26.15	27.60	28.20	29.00	29.20	30.20	29.45	34.85	29.75			
117	7.88	9.70	間伐																	
118	10.91	12.42	間伐																	
119	9.70	12.57	14.39	15.25	15.75	間伐														
120	7.73	9.85	11.67	11.90	12.05	間伐														
121	12.35	16.97	21.13	25.10	27.30	29.70	33.55	36.05	36.90	38.55	39.90	41.20	41.10	44.20	43.40	45.50	46.75	47.50	44.30	49.50
122	6.82	8.56	9.70	10.10	10.15	間伐														
123	8.03	10.15	11.97	12.25	13.00	間伐														
124	7.42	8.79	間伐																	
125	12.12	15.53	18.79	21.30	23.00	24.70	27.80	29.75	30.55	31.65	31.65	34.50	34.50	33.90	34.00	34.00	35.25	36.25	36.60	37.80
126	9.39	11.06	11.74	11.90	11.85	間伐														
127	7.42	8.18	間伐																	
128	11.82	13.48	14.70	15.75	16.55	17.05	17.30													
129	10.76	12.80	14.47	15.30	16.00	間伐														
130	11.06	12.88	14.70	16.40	17.65	19.05	21.40	23.05	23.70	24.90	25.60	26.10	25.50	27.20	26.80	27.10		28.40	27.95	28.00
131	12.80	15.15	17.04	18.20	19.70	20.85	22.50													
132	10.76	12.12	間伐																	
133	12.35	13.79	15.38	16.55	17.30	18.00	18.90													
134	8.03	8.18	間伐																	

當山啓介ら

樹高 (m)


當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	女滝3号																			
	12	17	22	27	32	37	47	54	57	62	67	72	77	80	83	88	93	97	103	107
71												28.6	30.0	30.5	30.7	33.0	34.8	34.2	33.8	34.9
72	6.9	10.6	11.5	10.8	14.3															
73																				
74																				
75																				
76																				
77	6.9	8.6	11.6	12.0																
78						18.6	20.6	22.7	22.8	24.5	25.6	24.5	26.5	26.4	26.3	25.0	26.1	25.9	26.3	
79																				
80	7.8	6.8	12.7	13.8	16.4	16.8	19.7													
81																				
82														29.8					31.3	31.3
83																				
84																				
85																				
86														29.6					32.9	32.9
87																				
88	8.3	11.6	15.6	16.9	19.5	23.7	23.1	25.7	26.1	26.1	30.6	29.1	28.8	29.7	29.0	27.7	29.0			
89														27.9					33.4	33.4
90																				
91																				
92																				
93														30.2					32.0	33.0
94																				
95																				
96																				
97												27.3	28.1	27.7	29.3	32.3	32.4	32.1	32.0	33.0
98																				
99														24.0						
100	6.7	9.5	12.1	11.4	12.9															
101																				
102																				
103																				
104																				
105																				
106																				
107																				
108								24.4	25.8	24.6	27.0	26.8	27.8	27.8	27.4	29.6	29.2	29.4	31.0	
109																				
110																				
111																				
112	8.0	10.6	14.9	14.3	16.2															
113																				
114														30.6					34.5	34.5
115									25.0	26.6	25.3	27.2	27.7	27.5	28.1	26.8	30.7	29.5	31.7	31.7
116						21.0	22.9	22.0	22.7	22.0	23.2	22.5	23.5	22.3	23.4	23.2	23.2			
117																				
118																				
119																				
120																				
121												26.1	27.8	27.6	28.4	31.5	32.3	30.6	30.3	31.2
122																				
123																				
124																				
125												25.5	26.1	27.6	28.3	25.8	30.8	29.5	29.6	30.6
126																				
127																				
128																				
129	8.1	10.9	14.1	13.6	16.0															
130														25.7					23.7	25.0
131																				
132																				
133																				
134																				

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径 (cm)

二ノ台      スギ   面積 0.0571 ha      1900 年植栽

年度 林齢 備考	1915	1921	1925	1930	1935	1940	1947	1950	1957	1960	1965	1970	1975	1980	1983	1985	1991	1996	2000	2006	2010
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
			間伐				間伐											欠測扱 い			
立木No. 1	6.21	8.94	10.45	12.35	14.70	16.85	18.90	19.60	22.80	22.55	23.95	24.15	25.60	26.75	27.40	27.45	28.65	29.75		30.50	30.90
2	7.58	10.30	11.74	13.70	15.25	16.80	17.75	18.00	18.45	18.25	18.70										
3	6.51	7.97	間伐										25.70	26.90			29.90		31.05	31.65	
4	4.17	4.94	間伐																		
5	4.92	5.76	間伐										23.10	23.35							
6	5.53	6.67	間伐										30.90	32.40			35.50	39.00		42.50	44.25
7	9.70	12.88	14.54	17.00	19.50	21.55	24.60	25.00	29.15	29.90	31.40	32.50	34.30	36.20	37.90	38.15	39.50	41.65		44.75	46.00
8	5.61	6.97	間伐										23.10	23.40			24.25	24.50		25.50	26.20
9	7.65	10.15	11.67	13.30	14.90	16.65	18.05	18.30	19.30	19.50	19.65	19.65									
10	7.95	10.23	10.91	12.60	13.30	13.50	間伐														
11	6.97	7.42																			
12	5.45	6.76	間伐																		
13	9.32	12.27	12.65	14.15	15.05	15.90	16.05	15.80													
14	7.42	9.32	9.70	10.85	11.35	11.60	間伐														
15	8.03	10.38	間伐																		
16	9.85	12.73	14.47	17.40	19.85	22.70	24.80	25.20	28.40	29.55	30.90	32.00	34.20	35.30	37.00	37.40	38.90	40.55			
17	5.91	7.06	間伐																		
18	7.04	8.18	間伐																		
19	6.51	8.26	間伐																		
20	9.70	12.88	14.01	16.55	18.65	20.45	23.00	24.00	26.65	27.80	28.35	28.20	29.10	30.20	31.00	30.85	30.90	31.40			
21	8.03	9.70	間伐																		
22	8.03	10.76	11.51	13.15	14.75	16.00	17.50	17.50	18.85	19.00	19.00	19.75		20.10	20.40						
23	9.85	12.50	12.80	13.85	14.65	15.05	間伐					24.45	25.00	24.65			38.45	41.55		42.90	43.75
24	4.17	3.79	間伐																		
25	9.32	12.88	間伐																		
26	6.82	8.64		13.00	14.65	16.30	17.40	17.40	18.45	18.30	18.70	18.95	19.20	19.20	19.65	19.45					
27	6.51	8.64	10.07	12.40	13.80	14.95	間伐														
28	5.15	6.21	間伐																		
29	8.48	11.21	13.10	16.55	19.25	21.95	24.45	25.70	28.25	29.20	31.15	32.20	34.10	35.40	36.90	37.25	37.65	39.65		41.95	42.70
30	4.39	4.55	間伐																		
31	7.20	7.88	間伐																		
32	10.45	13.71	15.60	18.05	20.20	21.55	23.05	23.30	24.45	25.05	24.75	25.00	24.60	24.90	25.20	24.05					
33	7.73	8.79	間伐																		
34	9.85	13.71	16.51	20.65	23.65	26.75	30.00	31.50	33.25	33.15	35.60	36.20	36.25	36.85	38.70	36.75	37.15	39.10		41.10	40.90
35	8.18	10.00	14.47	18.00	21.20	23.75	26.20	26.90	29.50	30.55	32.00	32.75	34.30	36.40	37.75	25.10	24.00	25.15		26.05	25.75
36	7.27	9.54	10.15	11.65	12.70	13.45	13.85	14.20	14.00	13.80	13.85	13.70									
37	8.86	12.12	12.20	13.45	14.25	14.65	間伐														
38	10.38	13.03	13.56	14.90	15.65	16.40	16.95	17.20	17.45	17.40	17.40	17.00									
39	9.17	12.73	間伐										40.20	43.15			45.50	48.95		51.55	52.10
40	7.50	9.54	10.53	12.15	13.25	14.40	間伐						25.05	24.95			25.10				
41	7.20	9.54	間伐																		
42	9.70	13.18	17.04	20.60	23.90	26.90	30.20	31.80	35.15	36.20	37.85	38.50	39.00	41.25	43.90	43.05	44.25	47.40		50.15	50.25
43	13.03	15.45	間伐																		
44	8.33	12.12	14.39	17.80	21.65	25.70	29.50	32.80	35.55	37.45	40.05	41.70	44.20	47.15	48.75	49.00	50.25	55.00			
45	4.55	6.06	間伐																		
46	7.27	9.39	間伐																		
47	8.71	11.97	12.80	15.10	16.50	17.80	19.55	20.60	23.05	23.80	24.80	26.00				23.10	22.75				
48	6.67	8.03	間伐																		
49	10.45	13.94	16.29	18.60	19.95	21.40	間伐														
50	7.58	8.64	間伐																		
51	7.20	9.48	間伐																		
52	7.80	10.30	間伐																		
53	10.68	14.39	15.60	18.50	20.50	22.75	25.40	26.40	28.15	29.05	30.40	31.60	32.00	33.05	34.60	34.60	35.90	38.15		40.50	40.80
54	7.20	8.33	間伐																		
55	4.32	4.70	間伐																		
56	7.35	8.94	間伐																		
57	11.51	15.60	17.65	20.85	22.65	25.05	27.85	29.00	31.20	32.25	33.05	33.90	34.10	35.40	37.00	36.30	37.00	39.10		41.05	41.70
58	6.36	6.97		10.65	11.20	11.70	11.80	12.00	11.85	11.90											
59	8.86	11.06	11.21																		
60	6.74	11.44	12.50	16.10	17.85	19.35	21.00	21.60	22.55	23.00	23.75	23.80	23.70	24.35	25.00	24.55	24.00				
61	8.11	7.97	間伐																		
62	8.56	11.14	12.73	15.30	16.65	17.70	18.95	19.70	19.95	20.20	20.45	20.20	21.20	20.30	20.80	20.45	19.75				
63	7.65	10.09	間伐																		
64	6.67	6.36	間伐																		
65	8.26	10.00	10.76	12.25	13.10	13.40	間伐						21.40	21.05							
66	7.65	9.61	間伐																		
67	8.41	12.27	13.10	15.30	16.50	17.55	18.55	19.10	19.55	19.50	20.05	21.55	22.05	22.05	23.25	21.70	21.75				
68	6.36	7.12	間伐																		
69	10.91	13.41	間伐																		
70	9.77	12.42	12.80	14.35	14.95	15.45	間伐														


當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

胸高直径	二ノ台																				
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
71	6.74	8.09	間伐																		
72	5.61	6.45	間伐																		
73	9.62	13.03	14.85	18.15	20.80	23.05	26.00	27.30	29.60	30.90	31.75	32.10	34.10	35.00	35.80	36.25	36.10	37.55			
74	7.50	9.54	間伐																		
75	7.88	8.48	間伐																		
76	6.89	9.09	間伐																		
77	6.89	9.39	間伐																		
78	12.12	16.06	18.18	21.05	23.60	26.25	28.90	30.90	33.40	34.05	35.05	36.30	38.60	40.80	41.90	42.75	43.00	46.10	50.65	51.60	
79	5.61	6.58	間伐																		
80	9.77	11.36	12.95	14.10	15.30	16.45	間伐														
81	8.18	10.91	11.82	12.75	13.10	13.25	間伐														
82	5.15	5.15	間伐																		
83	7.27	9.70	10.68	12.60	13.55	14.25	15.00	15.40	15.50	15.60	15.60										
84	6.74	9.00	間伐																		
85	9.32	12.20	13.33	14.85	15.70	16.65	17.65	18.20	18.35	18.55	18.55	18.30	17.30								
86	7.35	7.58	間伐																		
87	6.89	9.70	10.30	11.85	12.65	13.05	間伐														
88	8.41	11.82	14.39	16.75	18.80	21.00	23.70	24.70	27.30	27.75	29.50	30.60	33.60		34.00	34.25	33.50	35.40	33.15	36.60	
89	6.14	6.97	間伐																		
90	7.50	10.61	11.97	14.15	15.35	16.60	間伐														
91	4.62	5.15	間伐																		
92	6.82	7.58	間伐																		
93	8.56	11.06	11.97	14.15	15.55	16.60	17.90	18.30	19.45	19.60	21.15	21.70	22.25	23.70	24.70	24.95	24.50	26.50	28.00	28.40	
94	8.33	10.91	11.97	13.70	14.95	16.00	間伐														
95	7.58	10.00	10.91	12.90	14.40	16.35	18.00	18.50		20.65	20.65	20.40		20.15	20.60						
96	8.41	9.24	間伐																		
97	5.23	6.36	間伐																		
98	10.07	13.48	15.15	17.70	19.50	21.65	間伐														
99	5.08	6.21	間伐																		
100	7.04	9.24	10.45	12.15	13.35	14.35	15.30	15.60	16.75	17.05	17.30	17.25	17.40	17.75	18.10	18.05	17.75	18.10			
101	8.11	11.36	12.57	14.25	15.55	16.70	17.95	18.10	19.45	19.60	20.00	19.90	20.30	20.60	21.20	20.00	20.50	21.20	37.25	37.95	
102	8.41	10.91	12.65	14.55	15.85	17.25	間伐														
103	7.20	9.09	間伐																		
104	10.91	13.79	15.83	19.00	21.65	24.00	27.55	28.80	31.65	32.75	34.60	35.45	37.10	39.85	42.30	42.20	44.00	48.85	53.35	55.40	
105	7.95	10.15	間伐																		
106	8.94	11.36	13.64	16.15	18.00	19.85	22.05	22.80	24.15	24.40	25.15	25.00		25.05							
107	6.82	8.27	間伐																		
108	8.33	10.76	10.83	10.95	10.80																
109	7.88	9.79	間伐																		
110	10.23	12.95	13.94	15.55	16.65	17.50	間伐														
111	9.09	13.03	14.01	16.00	17.05	17.45	間伐							20.65							
112	9.77	12.73	13.86	15.85	17.15	18.40	間伐														
113	8.26	11.36	間伐																		
114	5.23	5.61	間伐																		
115	4.55	5.30	間伐																		
116	11.89	15.15	16.13	18.15	19.95	21.60	23.50	24.10	25.10	25.65	25.95	25.75	25.90	25.85	26.70	26.15	25.40	26.10	26.05		
117	10.45	14.24		18.95	20.95	23.15	25.10	25.70	28.25	28.50	29.25	29.40	31.00	31.45	32.10	32.35	31.75	33.80	34.60	35.10	
118	9.54	12.88	12.57	15.50	16.65	17.50	18.45	19.10	19.20	18.90	18.90	18.70									
119	5.91	6.82	間伐																		
120	6.21	6.97	間伐																		
121	7.20	9.32	10.45	13.40	15.75	17.50	19.90	20.70	24.60	25.85	28.20	29.20	32.20	33.25	35.40	34.00	36.00	40.90	46.35	49.15	
122	7.73	9.85	間伐																		
123	9.24	12.42	14.54	17.55	19.75	21.40	22.90	23.40	24.55	24.70	25.35	25.50	25.45	25.85	26.60	26.35	25.75	26.80	26.65	26.50	
124	7.35	8.94	間伐																		
125	8.79	11.67	間伐																		
126	11.06	14.32	15.76	18.10	19.60	21.35	23.05	23.70	25.15	25.70	26.15	26.35	26.90	27.75	28.45	28.35	28.25	29.35	29.90	29.85	
127	5.45	6.06	間伐																		
128	9.32	12.73	13.41	14.95	15.95	16.25	間伐														
129	9.70	12.27	13.41	15.35	16.85	17.35	17.95	18.20	18.25	17.95	17.95	18.50	19.70	19.40	19.85		18.90				
130	10.83	13.33	14.70	17.05	19.00	20.50	22.80	23.70	27.05	27.55	28.50	28.60	29.80	31.30	32.00	32.30	32.00	33.95	34.60	34.95	
131	8.79	12.51	間伐																		
132	10.91	13.48	14.09	14.65	15.20	15.35	間伐														
133	4.77	6.06	間伐																		
134	6.14	8.18	間伐																		
135	7.27	9.85	11.51	13.45	14.95	16.30	17.90	18.90	19.90	20.55	21.00	21.00	21.35	22.30	22.60	22.50	22.30	22.95	23.10	23.15	
136	7.50	9.24	間伐																		
137	9.32	11.82	12.12	13.70	14.55	15.30	間伐														
138	10.53	10.00	11.36	13.00	14.70	16.20	間伐														
139	8.33	10.45	間伐																		
140	4.24	6.97	間伐																		
141	3.33	3.48	間伐																		
142	5.15	6.36	間伐																		
143	3.94	4.10	間伐																		
144	6.59	7.27	間伐																		
145	8.71	11.21	11.82	13.00	13.65	14.15	間伐														
146	9.32	11.36	間伐																		
147	9.62	13.10	14.62	16.20	17.25	18.15	19.05	19.40	20.00	20.30	20.55	20.45	21.40								
148	7.20	9.62	間伐																		
149	6.74	9.54	間伐				</														

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

胸高直径	二ノ台																				
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
151	9.92	12.73	間伐																		
152	7.50	10.07	10.98	12.75	13.65	14.20	間伐														
153	11.82	16.51	18.48	22.35	25.00	27.30	30.00	32.10	34.45	34.65	36.50	37.90	38.20	39.75	42.40	40.75	41.50	44.65			
154	7.73	9.54	間伐																		
155	10.07	11.36	間伐																		
156	10.23	13.33	15.00	17.15	19.05	20.75	22.35	23.00	24.05	23.75	24.05	23.90	23.80								
157	10.07	13.33	14.01	16.15	17.75	19.25	20.95	21.50	23.15	23.35	24.20	24.30	26.60	26.15	27.25	27.40	27.75	29.25		30.50	31.10
158	8.11	10.45	間伐																		
159	8.86	10.76	11.67	11.85	13.70	14.20	間伐														
160	6.59	7.88	間伐																		
161	9.17	10.91	11.51	12.20	12.30	12.40	間伐														
162	7.80	9.09																			
163	9.39	10.91	間伐																		
164	10.61	13.94	15.83	18.85	20.95	22.60	25.00	26.00	29.10	29.90	29.90	29.50	30.90	31.55	32.00	31.80	31.00	32.45		34.30	34.50
165	10.07																				
166	7.50	13.03	13.48	14.75	15.45	16.10	間伐														
167	4.17	9.54	間伐																		
168	8.94	4.70	間伐																		
169	8.18	11.21	12.20	13.20	14.10	14.45	間伐														
170	11.14	9.54	間伐																		
171	5.83	14.24	15.98	18.85	21.40	23.90	26.65	28.00	31.35	31.65	32.95	33.95	35.95	37.05	39.20	38.90	39.75	41.90		43.35	44.35
172	10.53	6.51	間伐																		
173	7.95	13.94	16.06	19.20	21.70	23.85	26.05	26.10													
174	9.01	11.21	12.88	14.95	16.90	18.10	19.55	20.30	21.65	21.65	21.85	21.50	22.45	22.45	22.95	22.80	21.75	23.00			
175	6.06	12.27	13.71	15.75	17.15	18.10	間伐														
176	5.91	7.18	間伐																		
177	8.64	11.51	13.26	15.95	17.40	18.60	20.05	20.40	21.65	22.00	22.40	22.30	23.60	23.05	23.20	22.70	22.50				
178	9.54	12.42	13.71	16.10	17.85	19.50	22.35	23.40	26.05	27.00	27.85	29.00	31.20	33.05	33.80	35.05	36.15	39.15		42.30	44.90
179	6.06	6.97	間伐																		
180	9.48	12.57	13.41	16.70	18.80	20.55	22.70	23.70	24.25	24.20	25.10	25.60	27.40	28.25	29.20	29.85	30.00	31.85		32.60	33.25
181	6.89	8.48	間伐																		
182	10.00	12.42	間伐																		
183	8.64	10.61	11.67	13.00	14.05	14.60	間伐														
184	5.83	6.82	間伐																		
185	9.01	11.06	12.12	13.00	13.65	13.80	間伐														
186	5.76	7.12	間伐																		
187	9.70	12.57	14.24	17.10	19.80	22.20	25.20	26.80	29.05	30.10	31.10	31.20	33.20	34.35	35.20	35.55	36.00	37.90		39.30	39.85
188	10.53	12.57	13.48	14.20	14.60	14.65	間伐														
189	9.47	11.36	間伐																		
190	9.85	12.27	13.33	14.70	15.80	16.35	17.35	19.90	20.55	20.05	20.60	20.80									
191	10.61	12.42	間伐																		
192	7.73	9.92	11.36	13.80	15.65	17.20	19.20	19.70	20.80	21.10	21.35										
193	9.24	10.76	間伐																		
194	6.03	7.12	間伐																		
195	10.83	12.88	13.64	15.05	15.45	15.65	間伐														
196	12.50	16.67	18.41	21.70	24.00	24.90	26.80	27.50	29.20	29.35	30.05	30.35	31.20	32.25	33.50	33.05	33.25	34.85		35.65	36.05
197	5.08	5.24	間伐																		
198	9.39	11.97	間伐																		
199	10.30	12.94	間伐																		
200	11.06	14.85	16.74	19.65	23.25	26.85	30.25	31.80	35.50	36.70	38.10	39.60	41.20	43.45	45.00	45.20	46.00	49.65		51.95	53.00
201	6.97	7.73	間伐																		
202	10.98	13.64		17.05	18.60	19.85	21.40	21.80	22.20	22.40	22.40	22.25	23.30	22.45	22.30	22.30					
203	9.09	11.67	12.57	14.55	16.25	17.95	19.35	20.00	20.60	20.40	20.70	20.75	20.40	20.45							
204	7.88	8.64	間伐																		
205	7.35	8.94	間伐																		
206	6.51	7.97	間伐																		
207	13.56	16.21	18.33	21.45	23.40	25.55	28.60	29.90	32.10	32.90	34.30	34.80	35.90	38.10	39.35	39.25	39.25	41.80		43.20	44.55
208	8.48	10.15	間伐																		
209	10.98	13.03	14.47	16.50	18.05	19.10	20.35	20.80	21.10	20.65											
210	6.44	6.97	間伐																		
211	9.77	8.18	12.42	13.35	13.95	13.90	間伐														
212	9.09	8.33	間伐																		
213	9.54	11.82	14.17	18.10	21.05	24.40	28.35	30.00	33.30	34.70	37.15	38.40	40.20	42.75	43.90	44.45	44.75	49.10		51.45	52.50
214	9.62	12.88	間伐																		
215	9.77	11.97	13.10	15.25	16.45	17.00	間伐														
216	7.04	8.18	間伐																		
217	9.77	11.21	12.95	14.95	16.25	17.15	間伐														
218	8.11	9.79	間伐																		
219	5.91	6.67	間伐																		
220	8.71	12.42	12.27	13.75	15.00	15.55	間伐														
221	7.35	9.09	間伐																		
222	7.58	9.39	10.07	11.80	13.40	13.75	14.40		14.80	14.60	14.60										
223	8.18	9.24	間伐																		
224	11.14	13.33	14.85	17.10	18.35	19.10	間伐													58.10	58.85
225	10.53	13.41		18.05	20.20	21.75	24.20	24.30													
226	7.35	8.33	間伐																		
227	9.70	11.82																			

當山啓介ら  
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胸高直径	二ノ台																				
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
231	9.62	11.21	間伐																		
232	8.11	9.09	間伐																		
233	9.92	12.12	12.65	14.90	16.60	17.60	間伐														
234	7.35	8.18	間伐																		
235	8.79	10.68	12.27	14.65	16.60	18.20	20.80	21.90	23.65	24.80	24.85	24.75	25.05	27.10	27.25	27.00					
236	8.33	10.00	間伐																		
237	12.50	15.15	間伐																		
238	10.30	13.41	14.32	16.70	17.95	18.65	間伐														
239	8.11	9.24	間伐																		
240	6.29	6.76	間伐																		
241	8.41	9.79	間伐																		
242	6.97	7.58	間伐																		
243	9.47	12.73	13.33	16.45	17.90	18.90	20.15	20.90	21.40	21.00	21.35	21.60	21.65	21.65							
244	11.82	14.54	15.45	18.05	19.70	21.00	22.20	22.70	23.40	23.30	23.50	23.75	25.00	24.70	24.90	25.15	24.50	24.60			
245	7.20	8.79	間伐																		
246	11.29	14.09	間伐																		
247	11.06	14.24	15.15	17.95	20.25	22.15	間伐														
248	7.42	8.33	間伐																		
249	13.33	16.82	18.56	21.30	23.55	25.30	27.95	29.00	30.50	31.10	31.55	31.85	32.60	33.40	34.10	34.00	34.00	35.35		35.90	36.05
250	9.47	11.51	間伐																		
251	9.09	10.15	間伐																		
252	10.15	12.27	間伐																		
253	13.48	16.82	18.18	21.70	23.30	25.10	27.85	29.40	32.15	32.55	34.10	35.30	36.30	37.60	39.00	39.10	39.00	41.25		43.15	43.65
254	8.03	9.77	間伐																		
255	9.01	11.06	12.27	13.85	15.10	15.65	間伐														
256	6.67	7.58	間伐																		
257	7.95	9.70	間伐																		
258	10.23	12.88	14.39	16.85	18.50	19.95	21.85	22.60	23.60	24.05	24.75	24.45									
259	9.17	11.73	間伐																		
260	7.12	8.48	間伐																		
261	8.48	14.24	15.45	17.50	19.05	20.15	20.55	20.50	20.45	20.30	20.25										
262	8.79	11.36	間伐																		
263	8.48	10.91	間伐																		
264	12.57	16.13	18.18	21.65	24.30	26.35	29.80	31.30	33.80	34.95	36.65	37.15	38.60	41.00	42.20	42.00	42.50	45.30		47.00	47.00
265	6.14	6.36	間伐																		
266	9.32	12.27	間伐																		
267	13.41	16.36	18.03	21.20	23.35	25.10	27.70	29.00	31.70	32.45	33.65	34.25	35.40	37.85	38.90	39.75	39.75	42.70		44.85	45.65
268	9.92	12.57	12.80	14.45	15.30	15.35	間伐														
269	8.48	10.38	間伐																		
270	9.47	10.83	間伐																		
271	13.56	17.42	18.71	22.45	25.00	27.25	29.20	30.90													
272	9.62	12.88	15.91	19.75	22.65	25.75	29.50	31.50	34.95	36.70	38.10	39.15	41.40	44.75	46.60	47.25	48.00	50.90		54.25	55.45
273	12.80	16.15	間伐										19.80	19.85				20.45		20.60	20.65
274	10.07	11.51	間伐										27.60	28.80			29.00	20.45		31.35	31.65
275	7.12	8.48	間伐																		

當山啓介ら

樹高 (m)



當山啓介ら  
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樹高	二ノ台																					
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110	
71																						
72																						
73																						
74																						
75																						
76																						
77																						
78	8.5	10.0	11.4	12.6	14.9	16.8	18.6		19.7	20.7	22.9	27.2	23.5	25.5		24.8	28.2	28.3		29.9	24.8	
79																						
80																						
81																						
82																						
83	6.2	8.2	9.8	10.5	12.1	14.8	15.0		16.5	16.6	17.6											
84																						
85																						
86																						
87																						
88										20.3	21.6	22.8	23.0	24.5		23.8	25.9	26.2		23.3	24.7	
89																						
90																						
91																						
92																						
93																				24.9	27.5	
94																						
95																						
96																						
97																						
98																						
99																						
100														20.7	21.5		24.9	28.0	22.9		26.2	26.5
101																						
102																						
103																						
104																				31.2	31.2	
105																						
106						15.1	17.3		19.3	20.6	21.5	25.2	21.8	25.5								
107																						
108																						
109																						
110																						
111																						
112																						
113																						
114																						
115																						
116	7.4	9.5	11.7	12.5	14.1	15.2	18.2		20.1	20.0	20.3	21.0	20.9	21.6		21.5	24.4	22.5		24.7		
117																						
118																						
119																						
120																						
121					11.9	14.7	16.4	17.9		20.7	21.0	20.4	25.0	24.0	24.7		26.4	30.7	29.1		29.7	29.7
122																						
123																				26.4	26.4	
124																						
125																						
126																				27.9	27.9	
127																						
128																						
129																						
130																				23.2	25.0	
131																						
132																						
133																						
134																						
135																				23.0	23.0	
136	6.3																					
137																						
138																						
139																						
140																						
141																						
142																						
143																						
144																						
145																						
146																						
147										19.9	18.6	18.9	20.0									
148	6.4	8.8																				
149																						
150										13.9											24.2	24.2

當山啓介ら  
 東京大学千葉演習林のスギ・ヒノキ高齢人工林成長試験地の成長資料

樹高	二ノ台																					
	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110	
151	7.5																					
152																						
153																						
154																						
155																						
156																						
157							15.1	17.9		19.0	20.2	21.5	23.1	23.6	24.4		23.0	26.2	28.3		29.2	29.2
158																						
159																						
160																						
161				10.4	11.6	12.0																
162																						
163																						
164																			25.7	26.0		
165																						
166																						
167																						
168																						
169																						
170																						
171																			30.9	31.2		
172																						
173				12.4	14.8	16.0	18.0															
174																						
175																						
176																						
177						14.3	18.0		17.3	19.4	20.2	21.8	21.5	23.3		25.0	22.2					
178						15.6	18.4		22.6	21.8	22.7	23.3	23.8	26.1		26.7	30.1	28.0		28.4	29.7	
179																						
180																			27.0	27.0		
181																						
182																						
183																						
184																						
185																						
186																						
187													22.9	24.8		24.6	26.8	27.0		30.4	30.7	
188	7.5																					
189																						
190					11.6	13.7	14.5	16.2														
191																						
192																						
193																						
194																						
195																						
196										22.2	22.4	23.7	24.8	25.3		25.5	24.7			31.0	31.0	
197																						
198																						
199																						
200																			29.0	29.3		
201																						
202	7.4																					
203																						
204																						
205																						
206																						
207		8.4	10.6	10.7	12.4	13.2	16.4	19.0		20.4	21.4	22.1	22.0	22.4	23.4		23.8	24.4	26.0		27.8	28.2
208																						
209							14.4	16.4		18.4	19.6											
210																						
211																						
212																						
213													25.5	27.0		26.7	34.0	28.9		30.7	30.9	
214																						
215																						
216																						
217																						
218																						
219																						
220																						
221																						
222																						
223																						
224						15.8														31.7	31.7	
225																						
226																						
227																						
228																						
229																						
230																						

當山啓介ら  
東京大学千葉演習林のスギ・ヒノキ高齡人工林成長試験地の成長資料

樹高	二ノ台	15	21	25	30	35	40	47	50	57	60	65	70	75	80	83	85	91	96	100	106	110
231																						
232	6.9																					
233																						
234																						
235																						
236																						
237																						
238						15.2																
239																						
240																						
241																						
242																						
243	8.6	10.8	11.8	13.4	14.5	15.9	17.4			19.8	19.9	20.5	20.9	21.1	20.8							
244																						
245																						
246																						
247																						
248																						
249																				28.1	28.2	
250																						
251																						
252																						
253	8.6	10.5	11.8	12.5	14.7	16.2	19.2			21.7	22.3	22.2	23.1	23.2	23.8		25.2	28.7	27.0		29.0	29.0
254																						
255																						
256																						
257																						
258						15.7	18.0			19.6	20.3	21.4	22.8									
259																						
260																						
261																						
262																						
263	7.4																					
264																				30.8	30.8	
265																						
266																						
267																				28.5	28.6	
268																						
269	7.2	9.0																				
270																						
271																						
272													23.8	25.8		27.4	31.5	29.3		30.9	30.9	
273																				20.8	20.8	
274																				25.9	25.9	
275	7.6																					