

Hurley Ash....*adding value to farm woodland*

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Hurley Making

- Origins and History
- Last Cottage Industry
- Evolution over the years

Today

- Current Estimated Demand
- Current Number of Hurley Manufacturers
- Serious 'v' Part time 'v' Hobby

Purpose of today's presentation

- Bring to market our new native supply
- Standardise our terminology
- Standardise our measurement
- Ensure fair treatment for all

Proposed Measurement Criteria

- All hurley ash to be selected and measured standing
- DBH to be measured at 1.3m above root collar level
- Tree should be measured with a girth tape
- Tree should be banded at 1.3m level
- Tree should be numbered below 1.3m level

'This is the most valuable timber in the world'









Huber's Formula

$$V = \frac{\pi d_m^2}{40,000} \times L$$

Worked Example (a tree with a dbh of 25):

$$\begin{array}{ccccccccccc} \pi & \times & d_m^2 & / & 40,000 & \times & L & = & V \\ 3.14 & \times & 625 & / & 40,000 & \times & 1.3 & = & 0.063\text{m}^3 \end{array}$$

Diameter Reading

Forestry Commission Booklet No. 39, page 18, Section B, (iii), states

If the mid-diameter of a timber length falls below the breast height point of the standing tree, the dbh should be regarded as the mid-diameter

Calculation Model

DBH	Length (m)	Volume (m3)
16	1.3	0.028
17	1.3	0.033
18	1.3	0.039
19	1.3	0.036
20	1.3	0.041
21	1.3	0.043
22	1.3	0.043
23	1.3	0.034
24	1.3	0.038
25	1.3	0.039
26	1.3	0.039
27	1.3	0.034
28	1.3	0.033
29	1.3	0.035
30	1.3	0.031
31	1.3	0.037
32	1.3	0.031
33	1.3	0.031
34	1.3	0.033
35	1.3	0.035
36	1.3	0.032
37	1.3	0.034
38	1.3	0.042
39	1.3	0.033
40	1.3	0.033

Field Sheet

Tree No.	DBH	Tree No.	DBH	Tree No.	DBH	Tree No.	DBH
1		16		31		46	
2		17		32		47	
3		18		33		48	
4		19		34		49	
5		20		35		50	
6		21		36		51	
7		22		37		52	
8		23		38		53	
9		24		39		54	
10		25		40		55	
11		26		41		56	
12		27		42		57	
13		28		43		58	
14		29		44		59	
15		30		45		60	

Hurley Ash Recording Sheet

DBH	Gate III System Count	No.	Class Vol	Vol / Class
14			0.020	
15			0.022	
16			0.026	
17			0.029	
18			0.033	
19			0.036	
20			0.040	
21			0.045	
22			0.049	
23			0.054	
24			0.058	
25			0.063	
26			0.069	
27			0.074	
28			0.080	
29			0.085	
30			0.091	
31			0.098	
32			0.104	
33			0.111	
34			0.118	
35			0.125	
36			0.132	
37			0.139	
38			0.147	
39			0.155	
40			0.163	
Total				
Any butts over 40 dbh record as 40				

Need for Documentation and Detail

- Felling licence application
- Felling licence approval
- Marketing
- The Trade
- Records

Thank You for Your Attention

Questions?