Wood measuring methods used in Finland 2022

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The volume of wood measuring in 2022

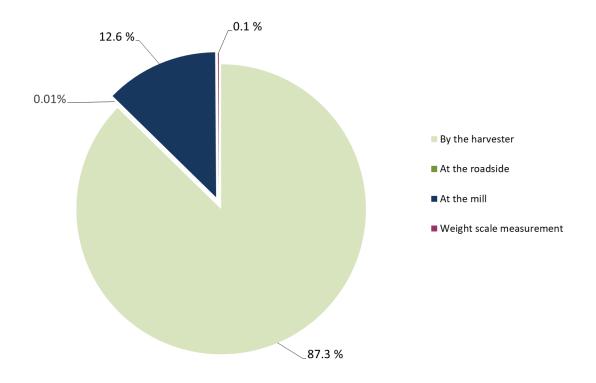
- Wood measuring methods used in 2022 statistics is based on the answers which Metsäteho owners, the Finnish forest industry companies and Metsähallitus, have reported. It covers 79.0% of domestic timber felling.
- The used volumes (m³ sob) in statistics are the next:

Standing sales
 Delivery sales
 Together
 46.1 million m³
 4.2 million m³
 50.3 million m³

- In 2022, the volume of standing sales was 45.9 million m³ sob and delivery sales 6.4 million m³ sob from private-owned forests. (Source: Luke = Natural Resources Institute Finland)
- Timber felling from industry-owned and state-owned forests totalled 11.7 million m³ sob. (Source: Luke)
- Commercial roundwood fellings in 2022 stood at 64.0 million m³ sob in Finland, of which sawlogs amounted to 28.6 and pulpwood 35.3 million m³ sob. (Source: Luke)
- Timber volume is expressed in cubic metres, real solid volume over bark.
- From year 2014 fellings of industry- and state-owned forests are included to standing sales. Earlier private owned-forests are presented separately.

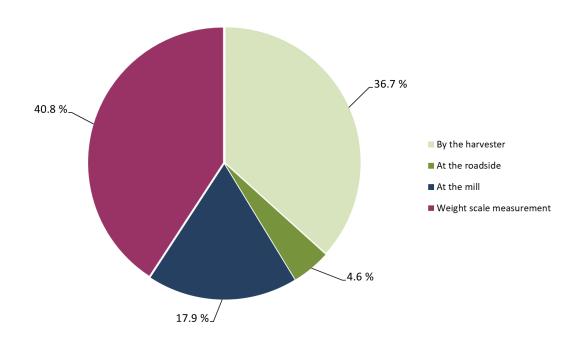


Measurement methods in standing sales of private- and industryand state-owned forests in 2022 (46.1 million m³)



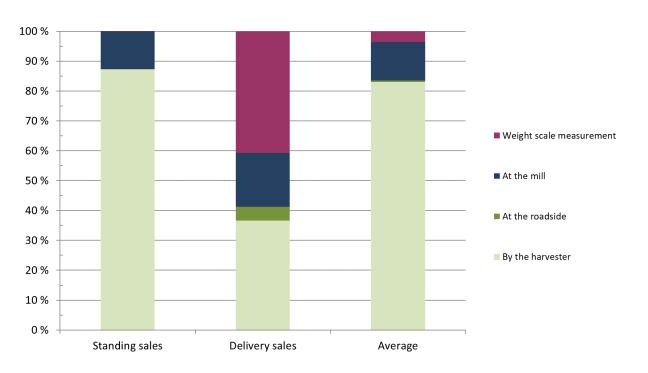


Measurement methods in delivery sales of private-owned forests in 2022 (4.2 million m³)



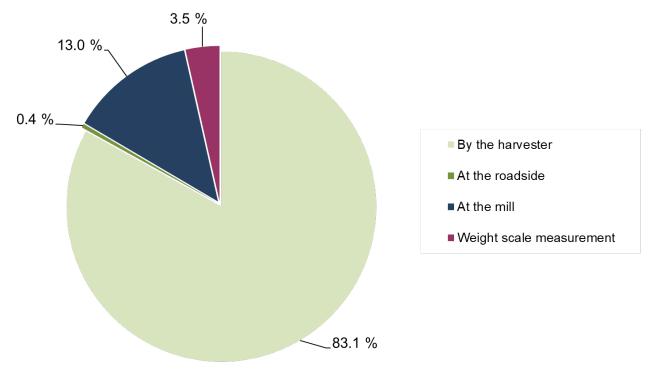


Measurement methods in the total commercial roundwood fellings in 2022 (standing and delivery sales, 50.3 million m³)





Measuring methods in the total commercial roundwood fellings in 2022 (50.3 million m³)



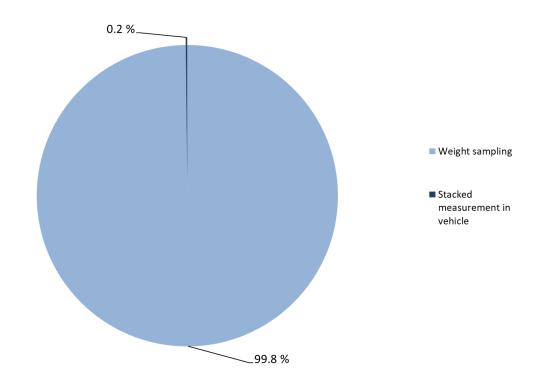


Sawlogs and pulpwood measured at the mill and at the roadside in 2022

- At the mill altogether 6.6 million m³ was measured, which represents 13.0% of total commercial roundwood fellings in 2022. The proportion of the sawlogs measured at the mill was 43.9% and pulpwood 56.1%.
 - The sawlogs were mainly measured by using log scanners and x-ray log scanners.
 - The pulpwood measuring methods are presented in the next slide (slide number 8).
- At the road side altogether 0.2 million m³ was measured, which represents 0.4% of total commercial roundwood fellings in 2022. The proportion of sawlogs measured at the mill was 17.0% and pulpwood 83.0%.
 - The sawlogs were measured based on the top diametre of the log and the pulpwood was measured by using pile scaling method.
- Altogether 1.8 million m³ was measured with loader scales, which represents 3.5% of total commercial roundwood fellings in 2022.
 - Loader scales was mainly used in delivery sales (40.8%) and also in some standing sales (0.1%).

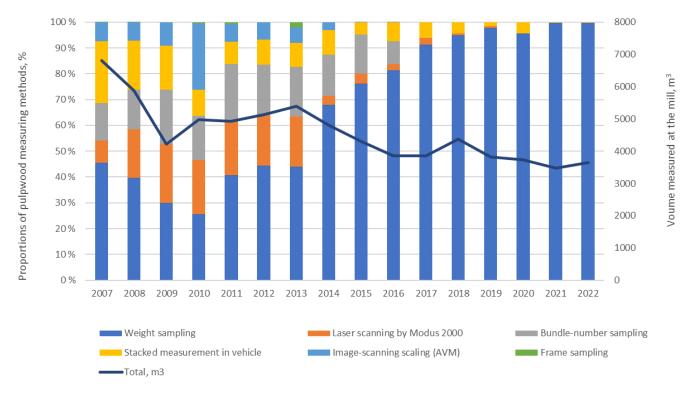


Methods used for pulpwood measuring at the mills in 2022 (about 4.3 million m³)



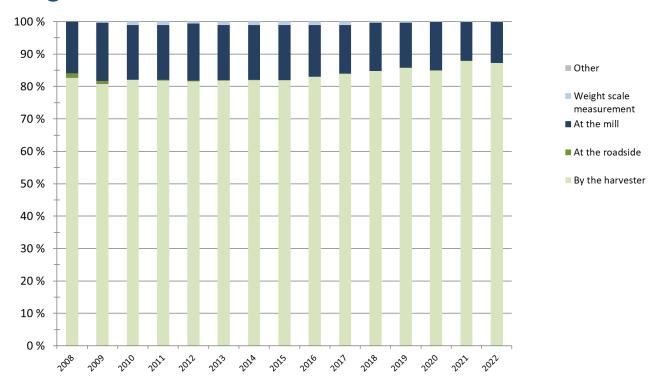


Proportions of different pulpwood measuring methods at the mills, 2007-2022



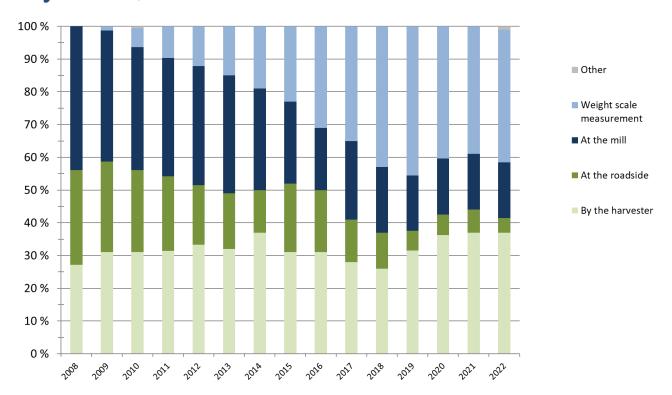


Proportions of different wood measuring methods in standing sales, 2008–2022





Proportions of different wood measuring methods in delivery sales, 2008–2022





Wood quantities and proportions of methods in the total commercial roundwood fellings in 2022

Private- and industry-owned forests (incl. State forests)

Method	Total, 1000 m ³		Total, %			
	Standing	Delivery sales	Together	Standing	Delivery sales	Average
By the harvester	40 254	1 550	41 804	87.3	36.6	83.0
At the roadside	4	195	199	0.0	4.6	0.4
At the mill	5 799	758	6 557	12.6	17.9	13.0
Weight scale measurem	50	1 724	1 774	0.1	40.7	3.5
Other	21	5	26	0.0	0.1	0.1
Total	46 128	4 232	50 360	100.0	100.0	100.0



Proportions of wood measuring methods, 2008–2022

STANDING SALES OF PRIVATE- AND INDUSTRY-OWNED FORESTS (INCL. STATE FORESTS)

Year						
	By the harvester	At the roadside	At the mill	Weight scale measurement	Other	Total
2008	83	1	16	0	0	100
2009	81	1	18	0	0	101
2010	82	0	17	1	0	100
2011	82	0	17	1	0	100
2012	82	0	18	1	0	100
2013	82	0	17	1	0	100
2014	82	0	17	1	0	100
2015	82	0	17	1	0	100
2016	83	0	16	1	0	100
2017	84	0	15	1	0	100
2018	85	0	15	0	0	100
2019	86	0	14	0	0	100
2020	85	0	15	0	0	100
2021	88	0	12	0	0	100
2022	87	0	13	0	0	100



Proportions of wood measuring methods, 2008–2022

DELIVERY SALES OF PRIVATE OWNED FORESTS

Year			_			
	By the harvester	the harvester		Other	Total	
2008	27	29	44	-	0	100
2009	31	28	40	1	0	100
2010	31	25	37	6	1	100
2011	31	23	36	10	0	100
2012	33	18	36	12	0	100
2013	32	17	36	15	0	100
2014	37	13	31	19	0	100
2015	31	21	25	23	0	100
2016	31	19	19	31	0	100
2017	28	13	24	35	0	100
2018	26	11	20	43	0	100
2019	31	6	17	45	0	100
2020	36	6	17	40	0	100
2021	37	7	17	39	0	100
2022	37	4.5	18	40.5	0	100

