

**Supplementary file S4**

Table S4. Parameter estimates of models for pulpwood green density ( $\text{kg m}^{-3}$ ) of the pulpwood assortments (MODELS 4). Standard error of the estimates is presented in parenthesis.

	<b>Scots Pine</b>	<b>Norway Spruce</b>	<b>Norway Spruce, decayed</b>	<b>Birch</b>	<b>Aspen</b>
Variable	Estimate	Estimate	Estimate	Estimate	Estimate
Intercept	910.44 (6.579)	864.33 (8.109)	744.73 (5.653)	923.14 (6.224)	846.82 (6.068)
<i>WEEK</i>		-12.161 (1.789)			
<i>WEEK</i> <sub>&gt;22</sub>			4.891 (1.150)		
<i>WEEK</i> <sub>&lt;25</sub>		12.153 (1.752)			
<i>WEEK</i> <sup>2</sup>	0.255 (0.056)	0.460 (0.085)	0.134 (0.046)	0.207 (0.050)	
<i>WEEK</i> <sup>2</sup> <sub>&gt;20</sub>					0.941 (0.089)
<i>WEEK</i> <sup>2</sup> <sub>&gt;22</sub>	1.599 (0.209)		1.128 (0.156)	-1.678 (0.186)	
<i>WEEK</i> <sup>2</sup> <sub>&lt;25</sub>		-0.493 (0.072)			
<i>WEEK</i> <sup>3</sup>	-0.015 (0.002)	-0.004 (0.001)	-0.011 (0.002)	-0.015 (0.002)	-0.0069 (0.001)
<i>DELIVERY_AREA<sub>A</sub></i>	-8.811 (1.314)	16.986 (1.516)	11.205 (2.011)		
<i>DELIVERY_AREA<sub>B</sub></i>	-6.450 (1.381)	12.699 (1.460)		-16.306 (0.922)	
<i>DELIVERY_AREA<sub>D</sub></i>	-3.055 (1.182)			-13.155 (0.870)	
<i>var</i> ( <i>w<sub>ij</sub></i> )	343.27	229.78	143.81	295.59	330.84
<i>corr</i> ( <i>w<sub>ij</sub></i> )	0.906	0.7960	0.9624	0.9187	0.879
<i>var</i> ( <i>e<sub>ijk</sub></i> )					
<i>MONTH</i> <sub>Jan-May</sub> * <i>STORAGE</i> <sub>&lt;1month</sub>	1,838.83	1,694.44	2,065.01	1,099.07	1,789.04

	<b>Scots Pine</b>	<b>Norway Spruce</b>	<b>Norway Spruce, decayed</b>	<b>Birch</b>	<b>Aspen</b>
Variable	Estimate	Estimate	Estimate	Estimate	Estimate
$MONTH_{Jan-May}^*$ $STORAGE_{>1month}$	3,257.25	2,768.33	2,232.82	2,355.53	2,089.88
$MONTH_{June-Dec}^*$ $STORAGE_{<1month}$	2,741.72	2,444.01	2,157.87	2,283.33	2,081.42
$MONTH_{June-Dec}^*$ $STORAGE_{>1month}$	5,524.92	5,740.46	3,534.96	3,068.10	2,834.90

$WEEK$ , delivery date of pulpwood at the mill expressed as week number (1-52);  $WEEK_{>20}$ , dummy variable for wood delivered after week number 20 expressed as  $WEEK-20$  (week);  $WEEK_{>22}$ , dummy variable for wood delivered after week number 22 expressed as  $WEEK-22$  (week);  $WEEK_{<25}$ , dummy variable for wood delivered before week number 25 (week);  $DELIVERY\_AREA_A$ , dummy variable for pulpwood delivered to sub-area A;  $DELIVERY\_AREA_B$ , dummy variable for pulpwood delivered to sub-area B;  $DELIVERY\_AREA_D$ , dummy variable for pulpwood delivered to sub-area D;  $var(w_{ij})$ , variance of random week effect;  $corr(w_{ij})$ , autocorrelation of the successive weeks,  $var(e_{ijk})$  error variance of pulpwood group  $k$ ;  $MONTH_{Jan-May}$ ,  $MONTH_{June-Dec}$ , error variance of group  $k$  when delivery date is January–May or June–December,  $STORAGE_{<1month}$  and  $STORAGE_{>1month}$ , error variance of group  $k$  when storage time is less than or more than 1 month.