

Electronic Supplementary Material 2 to

Can methyl jasmonate treatment of conifer seedlings be used as a tool to stop height growth in nursery forest trees?

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Online Resource 2 Results of statistical analyses for final height, height growth, final diameter and diameter growth of plant batches A and B. Significances are also indicated in Fig. 1 (batch B) and Online Resource 1 (batch A)

Plant batch A:

Variable	Julian date	Kruskal–Wallis			Dunn post-hoc tests with Holm adjustment p-values				
		chi-square	df	p-value	0 mM MeJA	10 mM MeJA	15 mM MeJA	5 mM MeJA	RLN
Final height (cm)	287	29.065	5	0	10 mM	0.005			
					MeJA				
					15 mM	0.000	0.680		
					MeJA				
					5 mM	0.027	0.590	0.493	
					MeJA				
Height growth (cm/day)	217	28.937	4	0	RLN	0.395	0.157	0.025	0.447
					No LN	0.386	0.010	0.001	0.032
									0.494
					10 mM	0.001			
					MeJA				
					15 mM	0.000	0.361		
					MeJA				
					5 mM	0.034	0.427	0.119	
					MeJA				

				RLN	0.241	0.013	0.001	0.136
226	27.472	4	0	10 mM	0.015			
				MeJA				
				15 mM	0.000	0.345		
				MeJA				
				5 mM	0.041	0.648	0.195	
				MeJA				
				RLN	0.428	0.010	0.000	0.029
231	25.912	4	0	10 mM	0.000			
				MeJA				
				15 mM	0.000	0.458		
				MeJA				
				5 mM	0.018	0.333	0.302	
				MeJA				
				RLN	0.225	0.014	0.017	0.310
Final diameter	287	25.741	5	10 mM	0.006			
(mm)				MeJA				
				15 mM	0.006	0.491		
				MeJA				
				5 mM	0.071	0.841	0.974	
				MeJA				
				RLN	0.934	0.023	0.023	0.212

					No LN	0.689	0.007	0.007	0.070	0.824
Diameter	217	6.339	4	0.175						
growth										
(mm/day)										
	226	14.074	4	0.01	10 mM	0.015				
					MeJA					
					15 mM	0.090	0.994			
					MeJA					
					5 mM	0.078	0.746	0.500	0.000	
					MeJA					
					RLN	0.764	0.035	0.142	0.118	
	231	6.628	4	0.157						

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30 Plant batch B:

Variable	Julian date	Kruskal–Wallis			Dunn post-hoc tests with Holm adjustment p-values					
		chi-square	df	p-value	0 mM MeJA	10 mM MeJA	15 mM MeJA	5 mM MeJA	RLN	
Final height	290	31.871	5	0	10 mM	0.033				
(cm)					MeJA					
					15 mM	0.000	0.283			
					MeJA					

					5 mM	0.007	0.558	0.492	
					MeJA				
					RLN	0.291	0.398	0.023	0.268
					No LN	0.310	0.027	0.000	0.007 0.267
Height growth	215	25.236	4	0	10 mM	0.007			
(cm/day)					MeJA				
					15 mM	0.006	0.500		
					MeJA				
					5 mM	0.027	0.876	0.584	
					MeJA				
					RLN	1.000	0.001	0.001	0.007
	225	29.825	4	0	10 mM	0.000			
					MeJA				
					15 mM	0.000	0.348		
					MeJA				
					5 mM	0.034	0.235	0.126	
					MeJA				
					RLN	0.309	0.007	0.002	0.196
	229	20.873	4	0	10 mM	0.066			
					MeJA				
					15 mM	0.000	0.166		
					MeJA				

					5 mM	0.032	0.382	0.265	
					MeJA				
					RLN	0.002	0.481	0.457	0.573
Final diameter	290	31.084	5	0	10 mM	0.010			
(mm)					MeJA				
					15 mM	0.000	0.280		
					MeJA				
					5 mM	0.046	0.574	0.166	
					MeJA				
					RLN	0.388	0.349	0.014	0.470
					No LN	0.431	0.022	0.000	0.075 0.312
Diameter	215	9.445	4	0.051					
growth									
(mm/day)									
	225	22.499	4	0	10 mM	0.005			
					MeJA				
					15 mM	0.004	0.443		
					MeJA				
					5 mM	0.337	0.122	0.104	
					MeJA				
					RLN	0.876	0.004	0.003	0.341
	229	12.123	4	0.02	10 mM	0.401			

MeJA

15 mM 0.214 0.333

MeJA

5 mM 0.465 0.662 0.575

MeJA

RLN 0.491 0.035 0.010 0.205

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