

Fisher-LSD48 hours Taxus wallichiana Ag NPs and Ag₂O NPs

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
df1\$type	4	2633	658	10.39	2.11e-05	***
df1\$sample	2	14618	7309	115.40	8.17e-15	***
df1\$type:df1\$sample	8	6632	829	13.09	6.65e-08	***
Residuals	30	1900	63			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Posthoc multiple comparisons of means : Fisher LSD
 95% family-wise confidence level

\$`df1\$type`

	diff	lwr.ci	upr.ci	pval	
2-1	-5.325811	-12.987633	2.3360102	0.16603	
3-1	-7.261341	-14.923162	0.4004805	0.06240	.
4-1	-15.642131	-23.303952	-7.9803097	0.00024	***
5-1	-21.461139	-29.122960	-13.7993172	3.1e-06	***
3-2	-1.935530	-9.597351	5.7262917	0.60969	
4-2	-10.316320	-17.978141	-2.6544985	0.01000	*
5-2	-16.135327	-23.797149	-8.4735060	0.00017	***
4-3	-8.380790	-16.042612	-0.7189688	0.03309	*
5-3	-14.199798	-21.861619	-6.5379764	0.00069	***
5-4	-5.819008	-13.480829	1.8428138	0.13137	

\$`df1\$sample`

	diff	lwr.ci	upr.ci	pval	
B-A	-36.770451	-42.705272	-30.835629	1.5e-13	***
C-A	2.773963	-3.160858	8.708785	0.3474	
C-B	39.544414	33.609593	45.479236	2.3e-14	***

\$`df1\$type:df1\$sample`

	diff	lwr.ci	upr.ci	pval	
2:A-1:A	-0.1862792	-13.456943	13.0843847	0.97732	
3:A-1:A	-3.8533184	-17.123982	9.4173455	0.55762	
4:A-1:A	2.2992176	-10.971446	15.5698815	0.72594	
5:A-1:A	-12.4540955	-25.724759	0.8165684	0.06486	.
1:B-1:A	-5.6203098	-18.890974	7.6503542	0.39394	
2:B-1:A	-25.2275267	-38.498191	-11.9568628	0.00053	***
3:B-1:A	-33.8974932	-47.168157	-20.6268293	1.3e-05	***
4:B-1:A	-65.9800947	-79.250759	-52.7094308	3.2e-11	***
5:B-1:A	-67.3213050	-80.591969	-54.0506411	2.0e-11	***
1:C-1:A	-7.0786098	-20.349274	6.1920541	0.28467	
2:C-1:A	-3.2625472	-16.533211	10.0081167	0.61927	
3:C-1:A	3.2678695	-10.002794	16.5385334	0.61870	
4:C-1:A	4.0555644	-9.215099	17.3262283	0.53726	
5:C-1:A	2.6930651	-10.577599	15.9637290	0.68150	
3:A-2:A	-3.6670392	-16.937703	9.6036247	0.57672	
4:A-2:A	2.4854968	-10.785167	15.7561607	0.70479	
5:A-2:A	-12.2678163	-25.538480	1.0028476	0.06874	.
1:B-2:A	-5.4340305	-18.704694	7.8366334	0.40962	
2:B-2:A	-25.0412475	-38.311911	-11.7705836	0.00057	***

3:B-2:A	-33.7112140	-46.981878	-20.4405501	1.4e-05	***
4:B-2:A	-65.7938155	-79.064479	-52.5231516	3.4e-11	***
5:B-2:A	-67.1350258	-80.405690	-53.8643619	2.1e-11	***
1:C-2:A	-6.8923306	-20.162995	6.3783333	0.29730	
2:C-2:A	-3.0762680	-16.346932	10.1943959	0.63934	
3:C-2:A	3.4541487	-9.816515	16.7248126	0.59894	
4:C-2:A	4.2418436	-9.028820	17.5125075	0.51886	
5:C-2:A	2.8793443	-10.391320	16.1500082	0.66086	
4:A-3:A	6.1525361	-7.118128	19.4232000	0.35129	
5:A-3:A	-8.6007771	-21.871441	4.6698869	0.19563	
1:B-3:A	-1.7669913	-15.037655	11.5036726	0.78754	
2:B-3:A	-21.3742083	-34.644872	-8.1035444	0.00257	**
3:B-3:A	-30.0441748	-43.314839	-16.7735109	6.7e-05	***
4:B-3:A	-62.1267763	-75.397440	-48.8561124	1.3e-10	***
5:B-3:A	-63.4679866	-76.738651	-50.1973227	7.9e-11	***
1:C-3:A	-3.2252914	-16.495955	10.0453725	0.62326	
2:C-3:A	0.5907712	-12.679893	13.8614351	0.92816	
3:C-3:A	7.1211879	-6.149476	20.3918518	0.28184	
4:C-3:A	7.9088829	-5.361781	21.1795468	0.23304	
5:C-3:A	6.5463835	-6.724280	19.8170474	0.32178	
5:A-4:A	-14.7533131	-28.023977	-1.4826492	0.03053	*
1:B-4:A	-7.9195274	-21.190191	5.3511365	0.23243	
2:B-4:A	-27.5267444	-40.797408	-14.2560805	0.00020	***
3:B-4:A	-36.1967108	-49.467375	-22.9260469	4.7e-06	***
4:B-4:A	-68.2793124	-81.549976	-55.0086485	1.4e-11	***
5:B-4:A	-69.6205226	-82.891187	-56.3498587	9.0e-12	***
1:C-4:A	-9.3778275	-22.648491	3.8928365	0.15933	
2:C-4:A	-5.5617649	-18.832429	7.7088991	0.39883	
3:C-4:A	0.9686519	-12.302012	14.2393158	0.88250	
4:C-4:A	1.7563468	-11.514317	15.0270107	0.78879	
5:C-4:A	0.3938475	-12.876816	13.6645114	0.95207	
1:B-5:A	6.8337857	-6.436878	20.1044496	0.30135	
2:B-5:A	-12.7734313	-26.044095	0.4972326	0.05864	.
3:B-5:A	-21.4433977	-34.714062	-8.1727338	0.00250	**
4:B-5:A	-53.5259993	-66.796663	-40.2553353	3.4e-09	***
5:B-5:A	-54.8672095	-68.137873	-41.5965456	2.0e-09	***
1:C-5:A	5.3754857	-7.895178	18.6461496	0.41463	
2:C-5:A	9.1915483	-4.079116	22.4622122	0.16750	
3:C-5:A	15.7219650	2.451301	28.9926289	0.02181	*
4:C-5:A	16.5096599	3.238996	29.7803238	0.01647	*
5:C-5:A	15.1471606	1.876497	28.4178245	0.02666	*
2:B-1:B	-19.6072170	-32.877881	-6.3365531	0.00516	**
3:B-1:B	-28.2771835	-41.547847	-15.0065195	0.00014	***
4:B-1:B	-60.3597850	-73.630449	-47.0891211	2.5e-10	***
5:B-1:B	-61.7009953	-74.971659	-48.4303314	1.5e-10	***
1:C-1:B	-1.4583001	-14.728964	11.8123638	0.82395	
2:C-1:B	2.3577625	-10.912901	15.6284264	0.71926	
3:C-1:B	8.8881793	-4.382485	22.1588432	0.18152	
4:C-1:B	9.6758742	-3.594790	22.9465381	0.14691	
5:C-1:B	8.3133749	-4.957289	21.5840388	0.21057	
3:B-2:B	-8.6699665	-21.940630	4.6006974	0.19216	
4:B-2:B	-40.7525680	-54.023232	-27.4819041	6.5e-07	***
5:B-2:B	-42.0937783	-55.364442	-28.8231144	3.7e-07	***
1:C-2:B	18.1489169	4.878253	31.4195808	0.00901	**

2:C-2:B	21.9649795	8.694316	35.2356434	0.00203	**
3:C-2:B	28.4953962	15.224732	41.7660602	0.00013	***
4:C-2:B	29.2830912	16.012427	42.5537551	9.3e-05	***
5:C-2:B	27.9205918	14.649928	41.1912558	0.00017	***
4:B-3:B	-32.0826015	-45.353265	-18.8119376	2.8e-05	***
5:B-3:B	-33.4238118	-46.694476	-20.1531479	1.6e-05	***
1:C-3:B	26.8188834	13.548219	40.0895473	0.00027	***
2:C-3:B	30.6349460	17.364282	43.9056099	5.2e-05	***
3:C-3:B	37.1653627	23.894699	50.4360266	3.1e-06	***
4:C-3:B	37.9530576	24.682394	51.2237215	2.2e-06	***
5:C-3:B	36.5905583	23.319894	49.8612222	3.9e-06	***
5:B-4:B	-1.3412103	-14.611874	11.9294536	0.83787	
1:C-4:B	58.9014849	45.630821	72.1721488	4.3e-10	***
2:C-4:B	62.7175475	49.446884	75.9882114	1.0e-10	***
3:C-4:B	69.2479642	55.977300	82.5186281	1.0e-11	***
4:C-4:B	70.0356592	56.764995	83.3063231	7.8e-12	***
5:C-4:B	68.6731598	55.402496	81.9438237	1.2e-11	***
1:C-5:B	60.2426952	46.972031	73.5133591	2.6e-10	***
2:C-5:B	64.0587578	50.788094	77.3294217	6.4e-11	***
3:C-5:B	70.5891745	57.318511	83.8598384	6.4e-12	***
4:C-5:B	71.3768694	58.106206	84.6475334	4.9e-12	***
5:C-5:B	70.0143701	56.743706	83.2850340	7.8e-12	***
2:C-1:C	3.8160626	-9.454601	17.0867265	0.56142	
3:C-1:C	10.3464793	-2.924185	23.6171432	0.12181	
4:C-1:C	11.1341742	-2.136490	24.4048382	0.09694	.
5:C-1:C	9.7716749	-3.498989	23.0423388	0.14309	
3:C-2:C	6.5304167	-6.740247	19.8010806	0.32294	
4:C-2:C	7.3181117	-5.952552	20.5887756	0.26900	
5:C-2:C	5.9556123	-7.315052	19.2262762	0.36670	
4:C-3:C	0.7876949	-12.482969	14.0583588	0.90432	
5:C-3:C	-0.5748044	-13.845468	12.6958595	0.93010	
5:C-4:C	-1.3624993	-14.633163	11.9081646	0.83533	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

	2:A	3:A	4:A	5:A	1:B	2:B	3:B	4:B	5:B	1:C	2:C	3:C	4:C	5:C
1:A	"ab"	"ab"	"a"	"bc"	"ab"	"cd"	"d"	"e"	"e"	"ab"	"ab"	"a"	"a"	"a"
	"ab"													

72 hours *Taxus wallichiana* Ag NPs and Ag₂O NPs

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
df1\$type	4	6097	1524	4.158	0.008493	**
df1\$sample	2	19523	9762	26.632	2.24e-07	***
df1\$type:df1\$sample	8	16130	2016	5.501	0.000256	***
Residuals	30	10996	367			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Posthoc multiple comparisons of means : Fisher LSD

95% family-wise confidence level

\$`df1\$type`

	diff	lwr.ci	upr.ci	pval	
2-1	-20.8608785	-39.29262	-2.429139	0.02786	*
3-1	-21.0456259	-39.47737	-2.613886	0.02661	*
4-1	-25.1902008	-43.62194	-6.758461	0.00905	**
5-1	-35.8231945	-54.25493	-17.391455	0.00042	***
3-2	-0.1847474	-18.61649	18.246992	0.98380	
4-2	-4.3293223	-22.76106	14.102418	0.63492	
5-2	-14.9623160	-33.39406	3.469424	0.10777	
4-3	-4.1445749	-22.57631	14.287165	0.64938	
5-3	-14.7775685	-33.20931	3.654171	0.11200	
5-4	-10.6329937	-29.06473	7.798746	0.24800	

\$`df1\$sample`

	diff	lwr.ci	upr.ci	pval	
B-A	-49.75760	-64.03477	-35.4804382	6.5e-08	***
C-A	-15.10878	-29.38594	-0.8316141	0.0388	*
C-B	34.64882	20.37166	48.9259884	2.6e-05	***

\$`df1\$type:df1\$sample`

	diff	lwr.ci	upr.ci	pval	
2:A-1:A	-26.2430386	-58.167748	5.6816713	0.10358	
3:A-1:A	-32.7136504	-64.638360	-0.7889405	0.04493	*
4:A-1:A	12.0397452	-19.884965	43.9644551	0.44720	
5:A-1:A	-17.0613139	-48.986024	14.8633960	0.28377	
1:B-1:A	-31.4916463	-63.416356	0.4330636	0.05299	.
2:B-1:A	-35.7052232	-67.629933	-3.7805133	0.02961	*
3:B-1:A	-39.5582088	-71.482919	-7.6334989	0.01687	*
4:B-1:A	-102.6884090	-134.613119	-70.7636991	2.9e-07	***
5:B-1:A	-103.3227827	-135.247493	-71.3980728	2.6e-07	***
1:C-1:A	-10.0097493	-41.934459	21.9149606	0.52681	
2:C-1:A	-42.1357693	-74.060479	-10.2110594	0.01141	*
3:C-1:A	-32.3664143	-64.291124	-0.4417043	0.04710	*
4:C-1:A	-26.4233343	-58.348044	5.5013756	0.10133	
5:C-1:A	-28.5868825	-60.511592	3.3378274	0.07740	.
3:A-2:A	-6.4706118	-38.395322	25.4540981	0.68187	
4:A-2:A	38.2827838	6.358074	70.2074937	0.02038	*
5:A-2:A	9.1817247	-22.742985	41.1064346	0.56135	
1:B-2:A	-5.2486077	-37.173318	26.6761022	0.73939	
2:B-2:A	-9.4621846	-41.386895	22.4625253	0.54952	
3:B-2:A	-13.3151702	-45.239880	18.6095397	0.40108	
4:B-2:A	-76.4453704	-108.370080	-44.5206605	3.2e-05	***
5:B-2:A	-77.0797441	-109.004454	-45.1550342	2.8e-05	***
1:C-2:A	16.2332893	-15.691421	48.1579992	0.30735	
2:C-2:A	-15.8927307	-47.817441	16.0319792	0.31743	
3:C-2:A	-6.1233757	-38.048086	25.8013342	0.69803	
4:C-2:A	-0.1802957	-32.105006	31.7444142	0.99087	
5:C-2:A	-2.3438439	-34.268554	29.5808660	0.88182	
4:A-3:A	44.7533956	12.828686	76.6781055	0.00758	**
5:A-3:A	15.6523365	-16.272373	47.5770464	0.32469	
1:B-3:A	1.2220041	-30.702706	33.1467140	0.93821	
2:B-3:A	-2.9915728	-34.916283	28.9331371	0.84952	

3:B-3:A	-6.8445584	-38.769268	25.0801515	0.66463	
4:B-3:A	-69.9747586	-101.899468	-38.0500487	0.00010	***
5:B-3:A	-70.6091323	-102.533842	-38.6844224	9.1e-05	***
1:C-3:A	22.7039011	-9.220809	54.6286110	0.15677	
2:C-3:A	-9.4221189	-41.346829	22.5025910	0.55121	
3:C-3:A	0.3472361	-31.577474	32.2719461	0.98242	
4:C-3:A	6.2903161	-25.634394	38.2150260	0.69024	
5:C-3:A	4.1267679	-27.797942	36.0514778	0.79359	
5:A-4:A	-29.1010591	-61.025769	2.8236508	0.07248	.
1:B-4:A	-43.5313915	-75.456101	-11.6066816	0.00919	**
2:B-4:A	-47.7449684	-79.669678	-15.8202585	0.00470	**
3:B-4:A	-51.5979540	-83.522664	-19.6732441	0.00249	**
4:B-4:A	-114.7281542	-146.652864	-82.8034443	3.6e-08	***
5:B-4:A	-115.3625279	-147.287238	-83.4378180	3.2e-08	***
1:C-4:A	-22.0494945	-53.974204	9.8752154	0.16867	
2:C-4:A	-54.1755145	-86.100224	-22.2508046	0.00162	**
3:C-4:A	-44.4061594	-76.330869	-12.4814495	0.00801	**
4:C-4:A	-38.4630795	-70.387789	-6.5383695	0.01985	*
5:C-4:A	-40.6266277	-72.551338	-8.7019178	0.01436	*
1:B-5:A	-14.4303324	-46.355042	17.4943775	0.36330	
2:B-5:A	-18.6439093	-50.568619	13.2808006	0.24234	
3:B-5:A	-22.4968949	-54.421605	9.4278150	0.16046	
4:B-5:A	-85.6270951	-117.551805	-53.7023852	6.0e-06	***
5:B-5:A	-86.2614688	-118.186179	-54.3367589	5.4e-06	***
1:C-5:A	7.0515646	-24.873145	38.9762745	0.65516	
2:C-5:A	-25.0744554	-56.999165	6.8502545	0.11918	
3:C-5:A	-15.3051003	-47.229810	16.6196096	0.33537	
4:C-5:A	-9.3620204	-41.286730	22.5626895	0.55373	
5:C-5:A	-11.5255686	-43.450278	20.3991413	0.46666	
2:B-1:B	-4.2135769	-36.138287	27.7111330	0.78935	
3:B-1:B	-8.0665625	-39.991272	23.8581474	0.60962	
4:B-1:B	-71.1967627	-103.121473	-39.2720528	8.2e-05	***
5:B-1:B	-71.8311364	-103.755846	-39.9064265	7.3e-05	***
1:C-1:B	21.4818970	-10.442813	53.4066069	0.17955	
2:C-1:B	-10.6441230	-42.568833	21.2805869	0.50114	
3:C-1:B	-0.8747680	-32.799478	31.0499420	0.95574	
4:C-1:B	5.0683120	-26.856398	36.9930219	0.74802	
5:C-1:B	2.9047638	-29.019946	34.8294737	0.85383	
3:B-2:B	-3.8529856	-35.777695	28.0717243	0.80699	
4:B-2:B	-66.9831858	-98.907896	-35.0584759	0.00017	***
5:B-2:B	-67.6175595	-99.542269	-35.6928496	0.00015	***
1:C-2:B	25.6954739	-6.229236	57.6201838	0.11066	
2:C-2:B	-6.4305461	-38.355256	25.4941638	0.68372	
3:C-2:B	3.3388090	-28.585901	35.2635189	0.83231	
4:C-2:B	9.2818889	-22.642821	41.2065989	0.55711	
5:C-2:B	7.1183407	-24.806369	39.0430506	0.65212	
4:B-3:B	-63.1302002	-95.054910	-31.2054903	0.00034	***
5:B-3:B	-63.7645739	-95.689284	-31.8398640	0.00031	***
1:C-3:B	29.5484595	-2.376250	61.4731694	0.06842	.
2:C-3:B	-2.5775605	-34.502270	29.3471494	0.87014	
3:C-3:B	7.1917945	-24.732915	39.1165045	0.64878	
4:C-3:B	13.1348745	-18.789835	45.0595844	0.40741	
5:C-3:B	10.9713263	-20.953384	42.8960362	0.48818	
5:B-4:B	-0.6343737	-32.559084	31.2903362	0.96790	

1:C-4:B	92.6786597	60.753950	124.6033696	1.7e-06	***
2:C-4:B	60.5526397	28.627930	92.4773496	0.00054	***
3:C-4:B	70.3219947	38.397285	102.2467046	9.6e-05	***
4:C-4:B	76.2650747	44.340365	108.1897846	3.3e-05	***
5:C-4:B	74.1015265	42.176817	106.0262364	4.8e-05	***
1:C-5:B	93.3130334	61.388323	125.2377433	1.5e-06	***
2:C-5:B	61.1870134	29.262303	93.1117233	0.00048	***
3:C-5:B	70.9563684	39.031659	102.8810783	8.5e-05	***
4:C-5:B	76.8994484	44.974739	108.8241583	2.9e-05	***
5:C-5:B	74.7359002	42.811190	106.6606101	4.3e-05	***
2:C-1:C	-32.1260200	-64.050730	-0.2013101	0.04866	*
3:C-1:C	-22.3566649	-54.281375	9.5680450	0.16300	
4:C-1:C	-16.4135850	-48.338295	15.5111249	0.30210	
5:C-1:C	-18.5771332	-50.501843	13.3475767	0.24400	
3:C-2:C	9.7693551	-22.155355	41.6940650	0.53672	
4:C-2:C	15.7124350	-16.212275	47.6371450	0.32286	
5:C-2:C	13.5488868	-18.375823	45.4735967	0.39296	
4:C-3:C	5.9430800	-25.981630	37.8677899	0.70648	
5:C-3:C	3.7795318	-28.145178	35.7042417	0.81059	
5:C-4:C	-2.1635482	-34.088258	29.7611617	0.89084	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

	2:A	3:A	4:A	5:A	1:B	2:B	3:B	4:B	5:B	1:C
2:C										
"abc"		"ab"	"d"	"abcd"	"abc"	"ab"	"ab"	"e"	"e"	"bcd"
"a"										
	3:C	4:C	5:C	1:A						
	"ab"	"abc"	"abc"	"cd"						