| combination | SumsOfSqs | MeanSqs | F.Model | R2 | P.value | P.value.corrected | Site | Time | treatment\_1 | treatment\_2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BSF <-> Chitin | 0.611 | 0.611 | 2.872 | 0.138 | 0.003 | 0.009 | Field | 4 | BSF | Chitin |
| BSF <-> Control | 0.463 | 0.463 | 1.962 | 0.103 | 0.036 | 0.054 | Field | 4 | BSF | Control |
| BSF <-> HC | 0.421 | 0.421 | 2.180 | 0.108 | 0.010 | 0.021 | Field | 4 | BSF | HC |
| BSF <-> Manure | 0.429 | 0.429 | 2.249 | 0.111 | 0.011 | 0.021 | Field | 4 | BSF | Manure |
| BSF <-> MW | 0.273 | 0.273 | 1.501 | 0.081 | 0.098 | 0.119 | Field | 4 | BSF | MW |
| Chitin <-> Control | 0.237 | 0.237 | 1.027 | 0.057 | 0.362 | 0.362 | Field | 4 | Chitin | Control |
| Chitin <-> HC | 0.349 | 0.349 | 1.847 | 0.093 | 0.014 | 0.023 | Field | 4 | Chitin | HC |
| Chitin <-> Manure | 0.389 | 0.389 | 2.088 | 0.104 | 0.002 | 0.009 | Field | 4 | Chitin | Manure |
| Chitin <-> MW | 0.531 | 0.531 | 2.991 | 0.150 | 0.001 | 0.009 | Field | 4 | Chitin | MW |
| Control <-> HC | 0.353 | 0.353 | 1.675 | 0.090 | 0.011 | 0.021 | Field | 4 | Control | HC |
| Control <-> Manure | 0.402 | 0.402 | 1.938 | 0.102 | 0.003 | 0.009 | Field | 4 | Control | Manure |
| Control <-> MW | 0.478 | 0.478 | 2.394 | 0.130 | 0.002 | 0.009 | Field | 4 | Control | MW |
| HC <-> Manure | 0.201 | 0.201 | 1.204 | 0.063 | 0.165 | 0.177 | Field | 4 | HC | Manure |
| HC <-> MW | 0.243 | 0.243 | 1.551 | 0.084 | 0.051 | 0.069 | Field | 4 | HC | MW |
| Manure <-> MW | 0.218 | 0.218 | 1.413 | 0.077 | 0.103 | 0.119 | Field | 4 | Manure | MW |
| BSF <-> Chitin | 0.476 | 0.476 | 2.517 | 0.136 | 0.001 | 0.002 | Field | 8 | BSF | Chitin |
| BSF <-> Control | 0.214 | 0.214 | 1.279 | 0.074 | 0.132 | 0.132 | Field | 8 | BSF | Control |
| BSF <-> HC | 0.263 | 0.263 | 1.412 | 0.073 | 0.118 | 0.132 | Field | 8 | BSF | HC |
| BSF <-> Manure | 0.594 | 0.594 | 3.662 | 0.169 | 0.001 | 0.002 | Field | 8 | BSF | Manure |
| BSF <-> MW | 0.272 | 0.272 | 1.588 | 0.081 | 0.044 | 0.060 | Field | 8 | BSF | MW |
| Chitin <-> Control | 0.401 | 0.401 | 2.387 | 0.146 | 0.002 | 0.003 | Field | 8 | Chitin | Control |
| Chitin <-> HC | 0.646 | 0.646 | 3.420 | 0.176 | 0.001 | 0.002 | Field | 8 | Chitin | HC |
| Chitin <-> Manure | 0.495 | 0.495 | 3.057 | 0.160 | 0.001 | 0.002 | Field | 8 | Chitin | Manure |
| Chitin <-> MW | 0.265 | 0.265 | 1.537 | 0.088 | 0.060 | 0.075 | Field | 8 | Chitin | MW |
| Control <-> HC | 0.223 | 0.223 | 1.333 | 0.077 | 0.130 | 0.132 | Field | 8 | Control | HC |
| Control <-> Manure | 0.499 | 0.499 | 3.559 | 0.182 | 0.001 | 0.002 | Field | 8 | Control | Manure |
| Control <-> MW | 0.253 | 0.253 | 1.682 | 0.095 | 0.034 | 0.051 | Field | 8 | Control | MW |
| HC <-> Manure | 0.716 | 0.716 | 4.424 | 0.197 | 0.001 | 0.002 | Field | 8 | HC | Manure |
| HC <-> MW | 0.472 | 0.472 | 2.760 | 0.133 | 0.001 | 0.002 | Field | 8 | HC | MW |
| Manure <-> MW | 0.512 | 0.512 | 3.486 | 0.162 | 0.001 | 0.002 | Field | 8 | Manure | MW |
| BSF <-> Chitin | 0.153 | 0.153 | 1.775 | 0.112 | 0.015 | 0.028 | Field | 12 | BSF | Chitin |
| BSF <-> Control | 0.193 | 0.193 | 2.234 | 0.123 | 0.001 | 0.004 | Field | 12 | BSF | Control |
| BSF <-> HC | 0.316 | 0.316 | 2.619 | 0.141 | 0.001 | 0.004 | Field | 12 | BSF | HC |
| BSF <-> Manure | 0.266 | 0.266 | 2.439 | 0.132 | 0.001 | 0.004 | Field | 12 | BSF | Manure |
| BSF <-> MW | 0.331 | 0.331 | 2.550 | 0.130 | 0.004 | 0.010 | Field | 12 | BSF | MW |
| Chitin <-> Control | 0.151 | 0.151 | 1.695 | 0.108 | 0.036 | 0.045 | Field | 12 | Chitin | Control |
| Chitin <-> HC | 0.224 | 0.224 | 1.744 | 0.111 | 0.026 | 0.035 | Field | 12 | Chitin | HC |
| Chitin <-> Manure | 0.233 | 0.233 | 2.021 | 0.126 | 0.001 | 0.004 | Field | 12 | Chitin | Manure |
| Chitin <-> MW | 0.184 | 0.184 | 1.328 | 0.081 | 0.145 | 0.155 | Field | 12 | Chitin | MW |
| Control <-> HC | 0.259 | 0.259 | 2.102 | 0.116 | 0.006 | 0.013 | Field | 12 | Control | HC |
| Control <-> Manure | 0.225 | 0.225 | 2.015 | 0.112 | 0.002 | 0.006 | Field | 12 | Control | Manure |
| Control <-> MW | 0.273 | 0.273 | 2.060 | 0.108 | 0.017 | 0.028 | Field | 12 | Control | MW |
| HC <-> Manure | 0.242 | 0.242 | 1.660 | 0.094 | 0.024 | 0.035 | Field | 12 | HC | Manure |
| HC <-> MW | 0.197 | 0.197 | 1.199 | 0.066 | 0.244 | 0.244 | Field | 12 | HC | MW |
| Manure <-> MW | 0.245 | 0.245 | 1.591 | 0.086 | 0.053 | 0.061 | Field | 12 | Manure | MW |
| BSF <-> Chitin | 0.288 | 0.288 | 2.603 | 0.126 | 0.002 | 0.003 | Field | 16 | BSF | Chitin |
| BSF <-> Control | 0.474 | 0.474 | 4.371 | 0.195 | 0.001 | 0.002 | Field | 16 | BSF | Control |
| BSF <-> HC | 0.376 | 0.376 | 2.847 | 0.137 | 0.001 | 0.002 | Field | 16 | BSF | HC |
| BSF <-> Manure | 0.384 | 0.384 | 2.578 | 0.125 | 0.001 | 0.002 | Field | 16 | BSF | Manure |
| BSF <-> MW | 0.327 | 0.327 | 2.570 | 0.125 | 0.001 | 0.002 | Field | 16 | BSF | MW |
| Chitin <-> Control | 0.240 | 0.240 | 2.156 | 0.107 | 0.002 | 0.003 | Field | 16 | Chitin | Control |
| Chitin <-> HC | 0.302 | 0.302 | 2.238 | 0.111 | 0.006 | 0.007 | Field | 16 | Chitin | HC |
| Chitin <-> Manure | 0.213 | 0.213 | 1.405 | 0.072 | 0.113 | 0.121 | Field | 16 | Chitin | Manure |
| Chitin <-> MW | 0.292 | 0.292 | 2.252 | 0.111 | 0.002 | 0.003 | Field | 16 | Chitin | MW |
| Control <-> HC | 0.346 | 0.346 | 2.608 | 0.127 | 0.001 | 0.002 | Field | 16 | Control | HC |
| Control <-> Manure | 0.277 | 0.277 | 1.857 | 0.094 | 0.004 | 0.005 | Field | 16 | Control | Manure |
| Control <-> MW | 0.390 | 0.390 | 3.056 | 0.145 | 0.001 | 0.002 | Field | 16 | Control | MW |
| HC <-> Manure | 0.187 | 0.187 | 1.080 | 0.057 | 0.339 | 0.339 | Field | 16 | HC | Manure |
| HC <-> MW | 0.385 | 0.385 | 2.549 | 0.124 | 0.001 | 0.002 | Field | 16 | HC | MW |
| Manure <-> MW | 0.340 | 0.340 | 2.025 | 0.101 | 0.003 | 0.004 | Field | 16 | Manure | MW |
| BSF <-> Chitin | 0.469 | 0.469 | 2.304 | 0.119 | 0.011 | 0.024 | Pot | 4 | BSF | Chitin |
| BSF <-> Control | 0.491 | 0.491 | 2.252 | 0.111 | 0.007 | 0.017 | Pot | 4 | BSF | Control |
| BSF <-> HC | 0.545 | 0.545 | 3.052 | 0.145 | 0.001 | 0.005 | Pot | 4 | BSF | HC |
| BSF <-> Manure | 0.380 | 0.380 | 1.993 | 0.100 | 0.022 | 0.033 | Pot | 4 | BSF | Manure |
| BSF <-> MW | 0.388 | 0.388 | 1.980 | 0.099 | 0.034 | 0.039 | Pot | 4 | BSF | MW |
| Chitin <-> Control | 0.144 | 0.144 | 0.675 | 0.038 | 0.914 | 0.914 | Pot | 4 | Chitin | Control |
| Chitin <-> HC | 0.354 | 0.354 | 2.069 | 0.109 | 0.013 | 0.024 | Pot | 4 | Chitin | HC |
| Chitin <-> Manure | 0.344 | 0.344 | 1.870 | 0.099 | 0.018 | 0.030 | Pot | 4 | Chitin | Manure |
| Chitin <-> MW | 0.575 | 0.575 | 3.038 | 0.152 | 0.001 | 0.005 | Pot | 4 | Chitin | MW |
| Control <-> HC | 0.342 | 0.342 | 1.830 | 0.092 | 0.024 | 0.033 | Pot | 4 | Control | HC |
| Control <-> Manure | 0.307 | 0.307 | 1.539 | 0.079 | 0.037 | 0.040 | Pot | 4 | Control | Manure |
| Control <-> MW | 0.513 | 0.513 | 2.513 | 0.123 | 0.002 | 0.007 | Pot | 4 | Control | MW |
| HC <-> Manure | 0.268 | 0.268 | 1.677 | 0.085 | 0.034 | 0.039 | Pot | 4 | HC | Manure |
| HC <-> MW | 0.480 | 0.480 | 2.914 | 0.139 | 0.001 | 0.005 | Pot | 4 | HC | MW |
| Manure <-> MW | 0.449 | 0.449 | 2.534 | 0.123 | 0.004 | 0.012 | Pot | 4 | Manure | MW |
| BSF <-> Chitin | 0.136 | 0.136 | 0.759 | 0.043 | 0.788 | 0.788 | Pot | 8 | BSF | Chitin |
| BSF <-> Control | 0.325 | 0.325 | 1.780 | 0.100 | 0.033 | 0.049 | Pot | 8 | BSF | Control |
| BSF <-> HC | 0.249 | 0.249 | 1.504 | 0.081 | 0.089 | 0.111 | Pot | 8 | BSF | HC |
| BSF <-> Manure | 0.289 | 0.289 | 2.007 | 0.106 | 0.002 | 0.006 | Pot | 8 | BSF | Manure |
| BSF <-> MW | 0.151 | 0.151 | 0.917 | 0.051 | 0.522 | 0.560 | Pot | 8 | BSF | MW |
| Chitin <-> Control | 0.274 | 0.274 | 1.604 | 0.086 | 0.042 | 0.057 | Pot | 8 | Chitin | Control |
| Chitin <-> HC | 0.292 | 0.292 | 1.881 | 0.095 | 0.013 | 0.024 | Pot | 8 | Chitin | HC |
| Chitin <-> Manure | 0.277 | 0.277 | 2.051 | 0.102 | 0.002 | 0.006 | Pot | 8 | Chitin | Manure |
| Chitin <-> MW | 0.170 | 0.170 | 1.103 | 0.058 | 0.288 | 0.332 | Pot | 8 | Chitin | MW |
| Control <-> HC | 0.288 | 0.288 | 1.836 | 0.097 | 0.024 | 0.040 | Pot | 8 | Control | HC |
| Control <-> Manure | 0.420 | 0.420 | 3.095 | 0.154 | 0.001 | 0.005 | Pot | 8 | Control | Manure |
| Control <-> MW | 0.401 | 0.401 | 2.564 | 0.131 | 0.001 | 0.005 | Pot | 8 | Control | MW |
| HC <-> Manure | 0.398 | 0.398 | 3.254 | 0.153 | 0.001 | 0.005 | Pot | 8 | HC | Manure |
| HC <-> MW | 0.282 | 0.282 | 1.992 | 0.100 | 0.012 | 0.024 | Pot | 8 | HC | MW |
| Manure <-> MW | 0.215 | 0.215 | 1.766 | 0.089 | 0.011 | 0.024 | Pot | 8 | Manure | MW |
| BSF <-> Chitin | 0.210 | 0.210 | 2.589 | 0.126 | 0.002 | 0.006 | Pot | 12 | BSF | Chitin |
| BSF <-> Control | 0.191 | 0.191 | 1.603 | 0.086 | 0.032 | 0.048 | Pot | 12 | BSF | Control |
| BSF <-> HC | 0.237 | 0.237 | 2.037 | 0.102 | 0.009 | 0.019 | Pot | 12 | BSF | HC |
| BSF <-> Manure | 0.231 | 0.231 | 1.969 | 0.099 | 0.010 | 0.019 | Pot | 12 | BSF | Manure |
| BSF <-> MW | 0.331 | 0.331 | 3.020 | 0.151 | 0.001 | 0.004 | Pot | 12 | BSF | MW |
| Chitin <-> Control | 0.214 | 0.214 | 1.792 | 0.095 | 0.006 | 0.015 | Pot | 12 | Chitin | Control |
| Chitin <-> HC | 0.296 | 0.296 | 2.544 | 0.124 | 0.001 | 0.004 | Pot | 12 | Chitin | HC |
| Chitin <-> Manure | 0.268 | 0.268 | 2.281 | 0.112 | 0.001 | 0.004 | Pot | 12 | Chitin | Manure |
| Chitin <-> MW | 0.430 | 0.430 | 3.921 | 0.187 | 0.001 | 0.004 | Pot | 12 | Chitin | MW |
| Control <-> HC | 0.126 | 0.126 | 0.807 | 0.045 | 0.716 | 0.716 | Pot | 12 | Control | HC |
| Control <-> Manure | 0.129 | 0.129 | 0.819 | 0.046 | 0.686 | 0.716 | Pot | 12 | Control | Manure |
| Control <-> MW | 0.262 | 0.262 | 1.721 | 0.097 | 0.053 | 0.066 | Pot | 12 | Control | MW |
| HC <-> Manure | 0.145 | 0.145 | 0.953 | 0.050 | 0.467 | 0.538 | Pot | 12 | HC | Manure |
| HC <-> MW | 0.309 | 0.309 | 2.099 | 0.110 | 0.022 | 0.037 | Pot | 12 | HC | MW |
| Manure <-> MW | 0.257 | 0.257 | 1.739 | 0.093 | 0.042 | 0.057 | Pot | 12 | Manure | MW |
| BSF <-> Chitin | 0.206 | 0.206 | 1.563 | 0.080 | 0.024 | 0.028 | Pot | 16 | BSF | Chitin |
| BSF <-> Control | 0.354 | 0.354 | 3.585 | 0.166 | 0.001 | 0.002 | Pot | 16 | BSF | Control |
| BSF <-> HC | 0.297 | 0.297 | 2.334 | 0.115 | 0.001 | 0.002 | Pot | 16 | BSF | HC |
| BSF <-> Manure | 0.217 | 0.217 | 1.635 | 0.083 | 0.001 | 0.002 | Pot | 16 | BSF | Manure |
| BSF <-> MW | 0.224 | 0.224 | 1.923 | 0.097 | 0.002 | 0.003 | Pot | 16 | BSF | MW |
| Chitin <-> Control | 0.257 | 0.257 | 2.009 | 0.100 | 0.001 | 0.002 | Pot | 16 | Chitin | Control |
| Chitin <-> HC | 0.276 | 0.276 | 1.766 | 0.089 | 0.003 | 0.004 | Pot | 16 | Chitin | HC |
| Chitin <-> Manure | 0.200 | 0.200 | 1.234 | 0.064 | 0.143 | 0.143 | Pot | 16 | Chitin | Manure |
| Chitin <-> MW | 0.229 | 0.229 | 1.574 | 0.080 | 0.011 | 0.014 | Pot | 16 | Chitin | MW |
| Control <-> HC | 0.265 | 0.265 | 2.143 | 0.106 | 0.001 | 0.002 | Pot | 16 | Control | HC |
| Control <-> Manure | 0.371 | 0.371 | 2.879 | 0.138 | 0.001 | 0.002 | Pot | 16 | Control | Manure |
| Control <-> MW | 0.332 | 0.332 | 2.945 | 0.141 | 0.001 | 0.002 | Pot | 16 | Control | MW |
| HC <-> Manure | 0.283 | 0.283 | 1.802 | 0.091 | 0.003 | 0.004 | Pot | 16 | HC | Manure |
| HC <-> MW | 0.330 | 0.330 | 2.342 | 0.115 | 0.002 | 0.003 | Pot | 16 | HC | MW |
| Manure <-> MW | 0.191 | 0.191 | 1.307 | 0.068 | 0.052 | 0.056 | Pot | 16 | Manure | MW |