| combination | SumsOfSqs | MeanSqs | F.Model | R2 | P.value | P.value.corrected | Site | Time | treatment\_1 | treatment\_2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BSF <-> Chitin | 0.613 | 0.613 | 2.879 | 0.138 | 0.003 | 0.011 | Field | 4 | BSF | Chitin |
| BSF <-> Control | 0.460 | 0.460 | 1.945 | 0.103 | 0.035 | 0.052 | Field | 4 | BSF | Control |
| BSF <-> HC | 0.423 | 0.423 | 2.191 | 0.109 | 0.009 | 0.021 | Field | 4 | BSF | HC |
| BSF <-> Manure | 0.429 | 0.429 | 2.250 | 0.111 | 0.010 | 0.021 | Field | 4 | BSF | Manure |
| BSF <-> MW | 0.277 | 0.277 | 1.519 | 0.082 | 0.091 | 0.114 | Field | 4 | BSF | MW |
| Chitin <-> Control | 0.233 | 0.233 | 1.002 | 0.056 | 0.401 | 0.401 | Field | 4 | Chitin | Control |
| Chitin <-> HC | 0.351 | 0.351 | 1.854 | 0.093 | 0.013 | 0.022 | Field | 4 | Chitin | HC |
| Chitin <-> Manure | 0.391 | 0.391 | 2.097 | 0.104 | 0.002 | 0.011 | Field | 4 | Chitin | Manure |
| Chitin <-> MW | 0.532 | 0.532 | 2.993 | 0.150 | 0.001 | 0.011 | Field | 4 | Chitin | MW |
| Control <-> HC | 0.345 | 0.345 | 1.633 | 0.088 | 0.012 | 0.022 | Field | 4 | Control | HC |
| Control <-> Manure | 0.393 | 0.393 | 1.884 | 0.100 | 0.006 | 0.018 | Field | 4 | Control | Manure |
| Control <-> MW | 0.470 | 0.470 | 2.343 | 0.128 | 0.003 | 0.011 | Field | 4 | Control | MW |
| HC <-> Manure | 0.201 | 0.201 | 1.204 | 0.063 | 0.160 | 0.171 | Field | 4 | HC | Manure |
| HC <-> MW | 0.244 | 0.244 | 1.559 | 0.084 | 0.048 | 0.065 | Field | 4 | HC | MW |
| Manure <-> MW | 0.216 | 0.216 | 1.400 | 0.076 | 0.100 | 0.115 | Field | 4 | Manure | MW |
| BSF <-> Chitin | 0.480 | 0.480 | 2.533 | 0.137 | 0.001 | 0.002 | Field | 8 | BSF | Chitin |
| BSF <-> Control | 0.212 | 0.212 | 1.260 | 0.073 | 0.147 | 0.147 | Field | 8 | BSF | Control |
| BSF <-> HC | 0.266 | 0.266 | 1.433 | 0.074 | 0.111 | 0.128 | Field | 8 | BSF | HC |
| BSF <-> Manure | 0.600 | 0.600 | 3.720 | 0.171 | 0.001 | 0.002 | Field | 8 | BSF | Manure |
| BSF <-> MW | 0.275 | 0.275 | 1.605 | 0.082 | 0.041 | 0.056 | Field | 8 | BSF | MW |
| Chitin <-> Control | 0.400 | 0.400 | 2.361 | 0.144 | 0.002 | 0.003 | Field | 8 | Chitin | Control |
| Chitin <-> HC | 0.645 | 0.645 | 3.419 | 0.176 | 0.001 | 0.002 | Field | 8 | Chitin | HC |
| Chitin <-> Manure | 0.494 | 0.494 | 3.060 | 0.161 | 0.001 | 0.002 | Field | 8 | Chitin | Manure |
| Chitin <-> MW | 0.259 | 0.259 | 1.500 | 0.086 | 0.069 | 0.086 | Field | 8 | Chitin | MW |
| Control <-> HC | 0.221 | 0.221 | 1.317 | 0.076 | 0.143 | 0.147 | Field | 8 | Control | HC |
| Control <-> Manure | 0.500 | 0.500 | 3.560 | 0.182 | 0.001 | 0.002 | Field | 8 | Control | Manure |
| Control <-> MW | 0.255 | 0.255 | 1.686 | 0.095 | 0.031 | 0.046 | Field | 8 | Control | MW |
| HC <-> Manure | 0.714 | 0.714 | 4.438 | 0.198 | 0.001 | 0.002 | Field | 8 | HC | Manure |
| HC <-> MW | 0.471 | 0.471 | 2.758 | 0.133 | 0.001 | 0.002 | Field | 8 | HC | MW |
| Manure <-> MW | 0.511 | 0.511 | 3.490 | 0.162 | 0.001 | 0.002 | Field | 8 | Manure | MW |
| BSF <-> Chitin | 0.154 | 0.154 | 1.759 | 0.112 | 0.019 | 0.029 | Field | 12 | BSF | Chitin |
| BSF <-> Control | 0.186 | 0.186 | 2.129 | 0.117 | 0.002 | 0.006 | Field | 12 | BSF | Control |
| BSF <-> HC | 0.319 | 0.319 | 2.640 | 0.142 | 0.001 | 0.004 | Field | 12 | BSF | HC |
| BSF <-> Manure | 0.273 | 0.273 | 2.486 | 0.134 | 0.001 | 0.004 | Field | 12 | BSF | Manure |
| BSF <-> MW | 0.329 | 0.329 | 2.516 | 0.129 | 0.003 | 0.007 | Field | 12 | BSF | MW |
| Chitin <-> Control | 0.154 | 0.154 | 1.703 | 0.108 | 0.041 | 0.051 | Field | 12 | Chitin | Control |
| Chitin <-> HC | 0.231 | 0.231 | 1.795 | 0.114 | 0.021 | 0.029 | Field | 12 | Chitin | HC |
| Chitin <-> Manure | 0.244 | 0.244 | 2.099 | 0.130 | 0.001 | 0.004 | Field | 12 | Chitin | Manure |
| Chitin <-> MW | 0.189 | 0.189 | 1.360 | 0.083 | 0.124 | 0.133 | Field | 12 | Chitin | MW |
| Control <-> HC | 0.260 | 0.260 | 2.107 | 0.116 | 0.006 | 0.013 | Field | 12 | Control | HC |
| Control <-> Manure | 0.227 | 0.227 | 2.019 | 0.112 | 0.001 | 0.004 | Field | 12 | Control | Manure |
| Control <-> MW | 0.270 | 0.270 | 2.029 | 0.107 | 0.020 | 0.029 | Field | 12 | Control | MW |
| HC <-> Manure | 0.249 | 0.249 | 1.711 | 0.097 | 0.013 | 0.024 | Field | 12 | HC | Manure |
| HC <-> MW | 0.198 | 0.198 | 1.205 | 0.066 | 0.243 | 0.243 | Field | 12 | HC | MW |
| Manure <-> MW | 0.250 | 0.250 | 1.619 | 0.087 | 0.047 | 0.054 | Field | 12 | Manure | MW |
| BSF <-> Chitin | 0.288 | 0.288 | 2.607 | 0.127 | 0.002 | 0.003 | Field | 16 | BSF | Chitin |
| BSF <-> Control | 0.479 | 0.479 | 4.403 | 0.197 | 0.001 | 0.002 | Field | 16 | BSF | Control |
| BSF <-> HC | 0.371 | 0.371 | 2.804 | 0.135 | 0.001 | 0.002 | Field | 16 | BSF | HC |
| BSF <-> Manure | 0.384 | 0.384 | 2.560 | 0.125 | 0.001 | 0.002 | Field | 16 | BSF | Manure |
| BSF <-> MW | 0.326 | 0.326 | 2.552 | 0.124 | 0.001 | 0.002 | Field | 16 | BSF | MW |
| Chitin <-> Control | 0.239 | 0.239 | 2.149 | 0.107 | 0.002 | 0.003 | Field | 16 | Chitin | Control |
| Chitin <-> HC | 0.297 | 0.297 | 2.202 | 0.109 | 0.007 | 0.008 | Field | 16 | Chitin | HC |
| Chitin <-> Manure | 0.212 | 0.212 | 1.390 | 0.072 | 0.117 | 0.125 | Field | 16 | Chitin | Manure |
| Chitin <-> MW | 0.293 | 0.293 | 2.250 | 0.111 | 0.002 | 0.003 | Field | 16 | Chitin | MW |
| Control <-> HC | 0.342 | 0.342 | 2.571 | 0.125 | 0.001 | 0.002 | Field | 16 | Control | HC |
| Control <-> Manure | 0.280 | 0.280 | 1.861 | 0.094 | 0.004 | 0.005 | Field | 16 | Control | Manure |
| Control <-> MW | 0.397 | 0.397 | 3.094 | 0.147 | 0.001 | 0.002 | Field | 16 | Control | MW |
| HC <-> Manure | 0.190 | 0.190 | 1.089 | 0.057 | 0.332 | 0.332 | Field | 16 | HC | Manure |
| HC <-> MW | 0.370 | 0.370 | 2.432 | 0.119 | 0.001 | 0.002 | Field | 16 | HC | MW |
| Manure <-> MW | 0.340 | 0.340 | 2.005 | 0.100 | 0.003 | 0.004 | Field | 16 | Manure | MW |
| BSF <-> Chitin | 0.466 | 0.466 | 2.276 | 0.118 | 0.011 | 0.024 | Pot | 4 | BSF | Chitin |
| BSF <-> Control | 0.499 | 0.499 | 2.274 | 0.112 | 0.007 | 0.017 | Pot | 4 | BSF | Control |
| BSF <-> HC | 0.543 | 0.543 | 3.015 | 0.143 | 0.001 | 0.005 | Pot | 4 | BSF | HC |
| BSF <-> Manure | 0.378 | 0.378 | 1.974 | 0.099 | 0.024 | 0.033 | Pot | 4 | BSF | Manure |
| BSF <-> MW | 0.394 | 0.394 | 2.006 | 0.100 | 0.028 | 0.035 | Pot | 4 | BSF | MW |
| Chitin <-> Control | 0.146 | 0.146 | 0.684 | 0.039 | 0.910 | 0.910 | Pot | 4 | Chitin | Control |
| Chitin <-> HC | 0.359 | 0.359 | 2.089 | 0.109 | 0.013 | 0.024 | Pot | 4 | Chitin | HC |
| Chitin <-> Manure | 0.336 | 0.336 | 1.824 | 0.097 | 0.021 | 0.031 | Pot | 4 | Chitin | Manure |
| Chitin <-> MW | 0.588 | 0.588 | 3.101 | 0.154 | 0.001 | 0.005 | Pot | 4 | Chitin | MW |
| Control <-> HC | 0.354 | 0.354 | 1.878 | 0.094 | 0.020 | 0.031 | Pot | 4 | Control | HC |
| Control <-> Manure | 0.308 | 0.308 | 1.540 | 0.079 | 0.037 | 0.042 | Pot | 4 | Control | Manure |
| Control <-> MW | 0.521 | 0.521 | 2.543 | 0.124 | 0.002 | 0.007 | Pot | 4 | Control | MW |
| HC <-> Manure | 0.264 | 0.264 | 1.643 | 0.084 | 0.039 | 0.042 | Pot | 4 | HC | Manure |
| HC <-> MW | 0.482 | 0.482 | 2.910 | 0.139 | 0.001 | 0.005 | Pot | 4 | HC | MW |
| Manure <-> MW | 0.447 | 0.447 | 2.518 | 0.123 | 0.003 | 0.009 | Pot | 4 | Manure | MW |
| BSF <-> Chitin | 0.137 | 0.137 | 0.768 | 0.043 | 0.775 | 0.775 | Pot | 8 | BSF | Chitin |
| BSF <-> Control | 0.324 | 0.324 | 1.775 | 0.100 | 0.032 | 0.048 | Pot | 8 | BSF | Control |
| BSF <-> HC | 0.248 | 0.248 | 1.497 | 0.081 | 0.088 | 0.110 | Pot | 8 | BSF | HC |
| BSF <-> Manure | 0.297 | 0.297 | 2.059 | 0.108 | 0.002 | 0.007 | Pot | 8 | BSF | Manure |
| BSF <-> MW | 0.158 | 0.158 | 0.959 | 0.053 | 0.467 | 0.500 | Pot | 8 | BSF | MW |
| Chitin <-> Control | 0.273 | 0.273 | 1.601 | 0.086 | 0.043 | 0.059 | Pot | 8 | Chitin | Control |
| Chitin <-> HC | 0.294 | 0.294 | 1.890 | 0.095 | 0.011 | 0.022 | Pot | 8 | Chitin | HC |
| Chitin <-> Manure | 0.275 | 0.275 | 2.036 | 0.102 | 0.003 | 0.009 | Pot | 8 | Chitin | Manure |
| Chitin <-> MW | 0.175 | 0.175 | 1.126 | 0.059 | 0.264 | 0.304 | Pot | 8 | Chitin | MW |
| Control <-> HC | 0.292 | 0.292 | 1.853 | 0.098 | 0.023 | 0.038 | Pot | 8 | Control | HC |
| Control <-> Manure | 0.422 | 0.422 | 3.097 | 0.154 | 0.001 | 0.005 | Pot | 8 | Control | Manure |
| Control <-> MW | 0.406 | 0.406 | 2.588 | 0.132 | 0.001 | 0.005 | Pot | 8 | Control | MW |
| HC <-> Manure | 0.402 | 0.402 | 3.275 | 0.154 | 0.001 | 0.005 | Pot | 8 | HC | Manure |
| HC <-> MW | 0.284 | 0.284 | 1.990 | 0.100 | 0.012 | 0.022 | Pot | 8 | HC | MW |
| Manure <-> MW | 0.220 | 0.220 | 1.801 | 0.091 | 0.008 | 0.020 | Pot | 8 | Manure | MW |
| BSF <-> Chitin | 0.211 | 0.211 | 2.587 | 0.126 | 0.003 | 0.009 | Pot | 12 | BSF | Chitin |
| BSF <-> Control | 0.193 | 0.193 | 1.605 | 0.086 | 0.028 | 0.042 | Pot | 12 | BSF | Control |
| BSF <-> HC | 0.238 | 0.238 | 2.050 | 0.102 | 0.008 | 0.017 | Pot | 12 | BSF | HC |
| BSF <-> Manure | 0.230 | 0.230 | 1.935 | 0.097 | 0.011 | 0.021 | Pot | 12 | BSF | Manure |
| BSF <-> MW | 0.338 | 0.338 | 3.062 | 0.153 | 0.001 | 0.004 | Pot | 12 | BSF | MW |
| Chitin <-> Control | 0.214 | 0.214 | 1.779 | 0.095 | 0.006 | 0.015 | Pot | 12 | Chitin | Control |
| Chitin <-> HC | 0.294 | 0.294 | 2.538 | 0.124 | 0.001 | 0.004 | Pot | 12 | Chitin | HC |
| Chitin <-> Manure | 0.268 | 0.268 | 2.255 | 0.111 | 0.001 | 0.004 | Pot | 12 | Chitin | Manure |
| Chitin <-> MW | 0.436 | 0.436 | 3.949 | 0.188 | 0.001 | 0.004 | Pot | 12 | Chitin | MW |
| Control <-> HC | 0.129 | 0.129 | 0.820 | 0.046 | 0.700 | 0.736 | Pot | 12 | Control | HC |
| Control <-> Manure | 0.126 | 0.126 | 0.790 | 0.044 | 0.736 | 0.736 | Pot | 12 | Control | Manure |
| Control <-> MW | 0.267 | 0.267 | 1.738 | 0.098 | 0.050 | 0.062 | Pot | 12 | Control | MW |
| HC <-> Manure | 0.145 | 0.145 | 0.944 | 0.050 | 0.479 | 0.552 | Pot | 12 | HC | Manure |
| HC <-> MW | 0.314 | 0.314 | 2.138 | 0.112 | 0.022 | 0.037 | Pot | 12 | HC | MW |
| Manure <-> MW | 0.265 | 0.265 | 1.765 | 0.094 | 0.038 | 0.052 | Pot | 12 | Manure | MW |
| BSF <-> Chitin | 0.209 | 0.209 | 1.582 | 0.081 | 0.022 | 0.025 | Pot | 16 | BSF | Chitin |
| BSF <-> Control | 0.355 | 0.355 | 3.578 | 0.166 | 0.001 | 0.002 | Pot | 16 | BSF | Control |
| BSF <-> HC | 0.291 | 0.291 | 2.272 | 0.112 | 0.001 | 0.002 | Pot | 16 | BSF | HC |
| BSF <-> Manure | 0.221 | 0.221 | 1.654 | 0.084 | 0.001 | 0.002 | Pot | 16 | BSF | Manure |
| BSF <-> MW | 0.217 | 0.217 | 1.851 | 0.093 | 0.002 | 0.003 | Pot | 16 | BSF | MW |
| Chitin <-> Control | 0.262 | 0.262 | 2.059 | 0.103 | 0.001 | 0.002 | Pot | 16 | Chitin | Control |
| Chitin <-> HC | 0.278 | 0.278 | 1.783 | 0.090 | 0.003 | 0.004 | Pot | 16 | Chitin | HC |
| Chitin <-> Manure | 0.200 | 0.200 | 1.239 | 0.064 | 0.135 | 0.135 | Pot | 16 | Chitin | Manure |
| Chitin <-> MW | 0.224 | 0.224 | 1.542 | 0.079 | 0.012 | 0.015 | Pot | 16 | Chitin | MW |
| Control <-> HC | 0.274 | 0.274 | 2.217 | 0.110 | 0.001 | 0.002 | Pot | 16 | Control | HC |
| Control <-> Manure | 0.377 | 0.377 | 2.918 | 0.139 | 0.001 | 0.002 | Pot | 16 | Control | Manure |
| Control <-> MW | 0.336 | 0.336 | 2.989 | 0.142 | 0.001 | 0.002 | Pot | 16 | Control | MW |
| HC <-> Manure | 0.287 | 0.287 | 1.816 | 0.092 | 0.001 | 0.002 | Pot | 16 | HC | Manure |
| HC <-> MW | 0.329 | 0.329 | 2.328 | 0.115 | 0.002 | 0.003 | Pot | 16 | HC | MW |
| Manure <-> MW | 0.191 | 0.191 | 1.303 | 0.068 | 0.055 | 0.059 | Pot | 16 | Manure | MW |