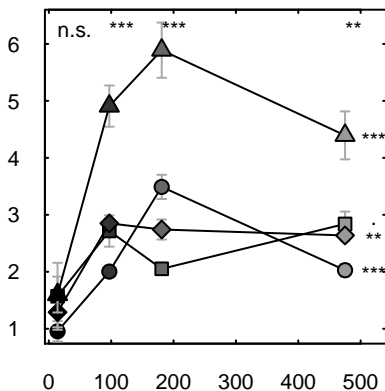
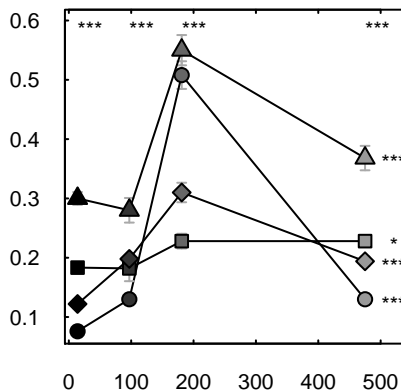
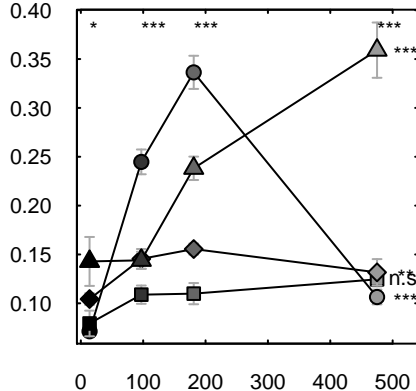
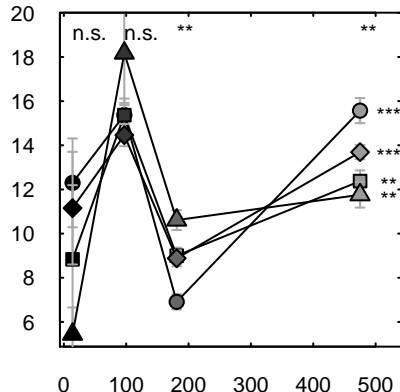
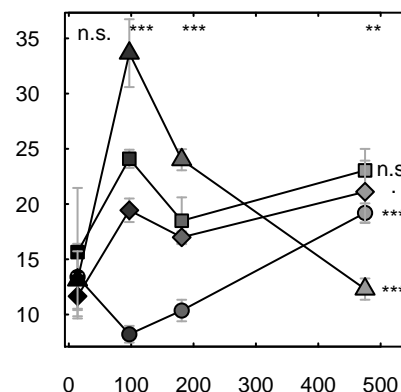
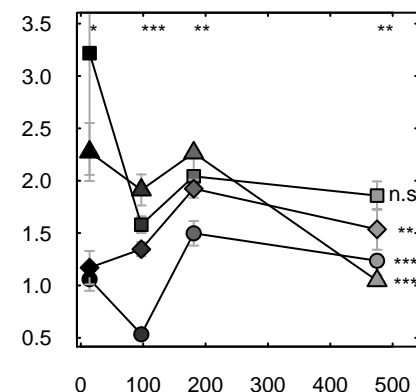
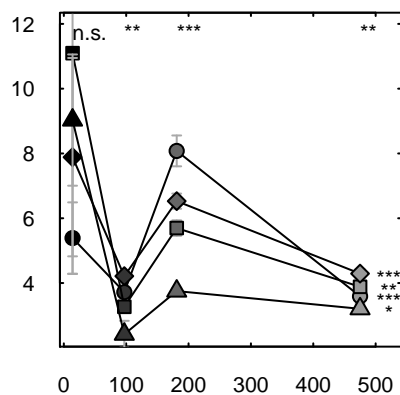
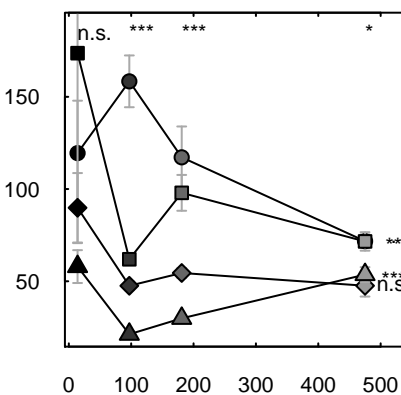
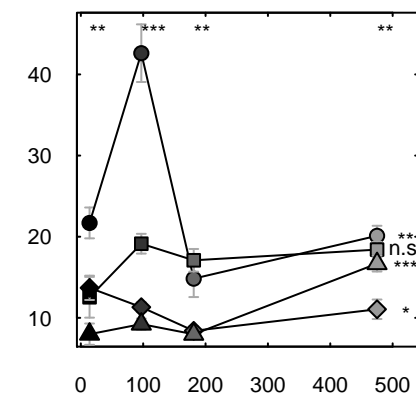
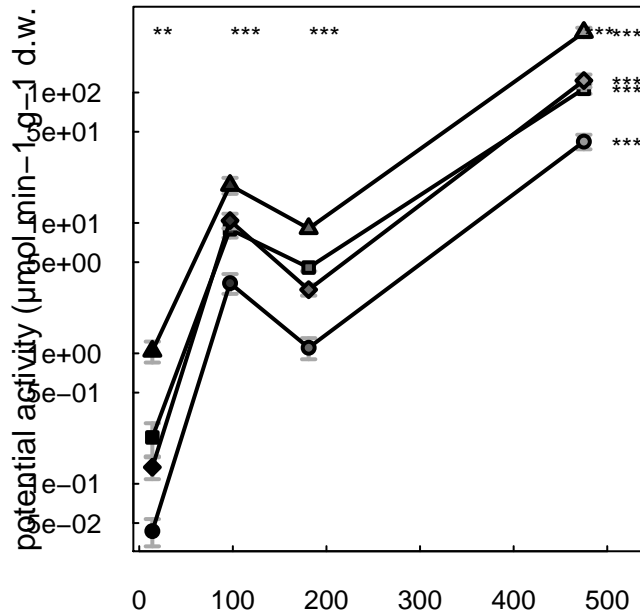
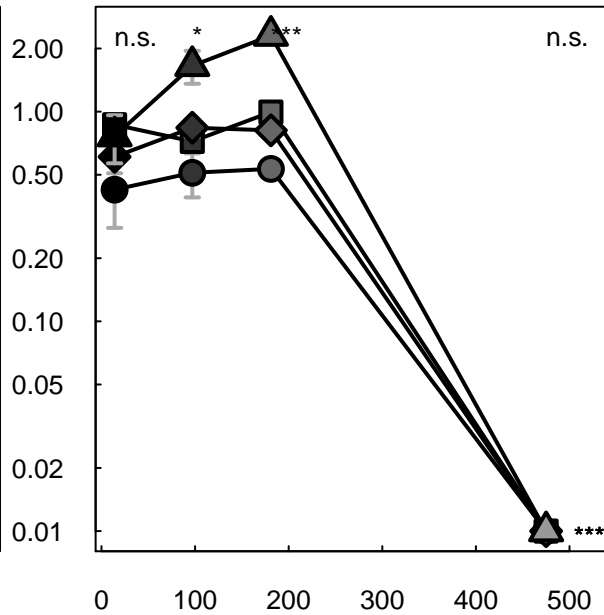


mg C g<sup>-1</sup> d.w.**Microbial C****Microbial N****Microbial P****Mic. C:N ratio****Mic. C:P ratio****Mic. N:P ratio****C:N imbalance****C:P imbalance****N:P imbalance**

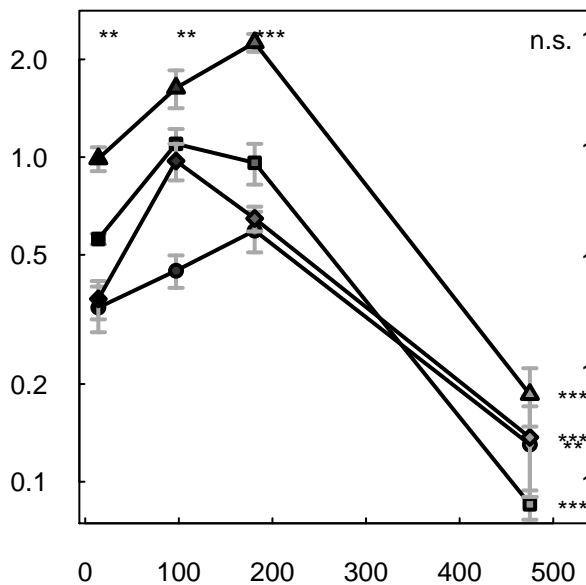
### Cellulase



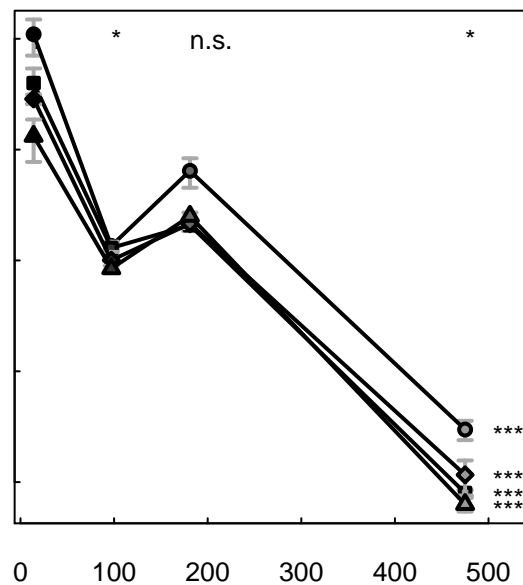
### Peroxydase

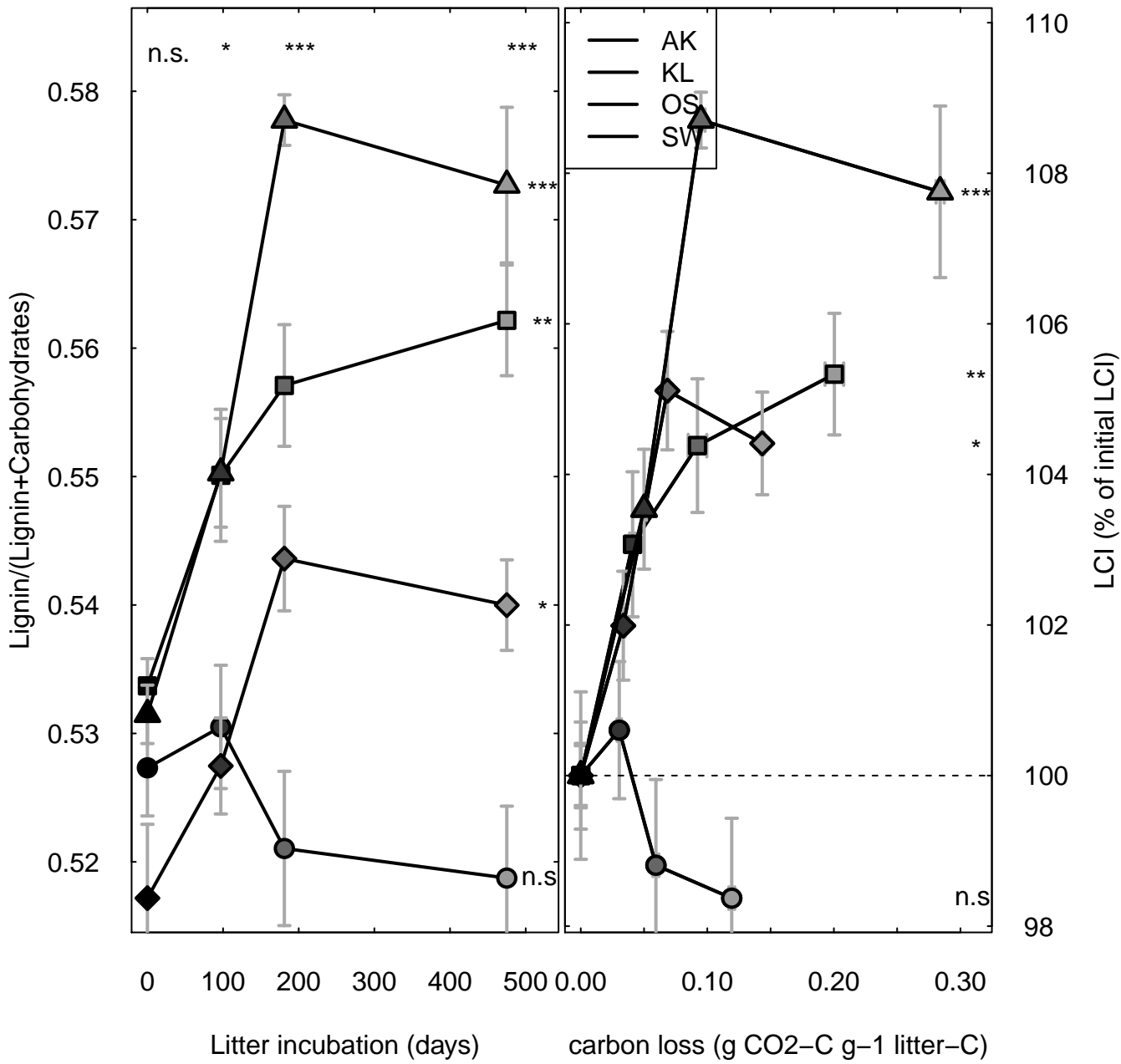


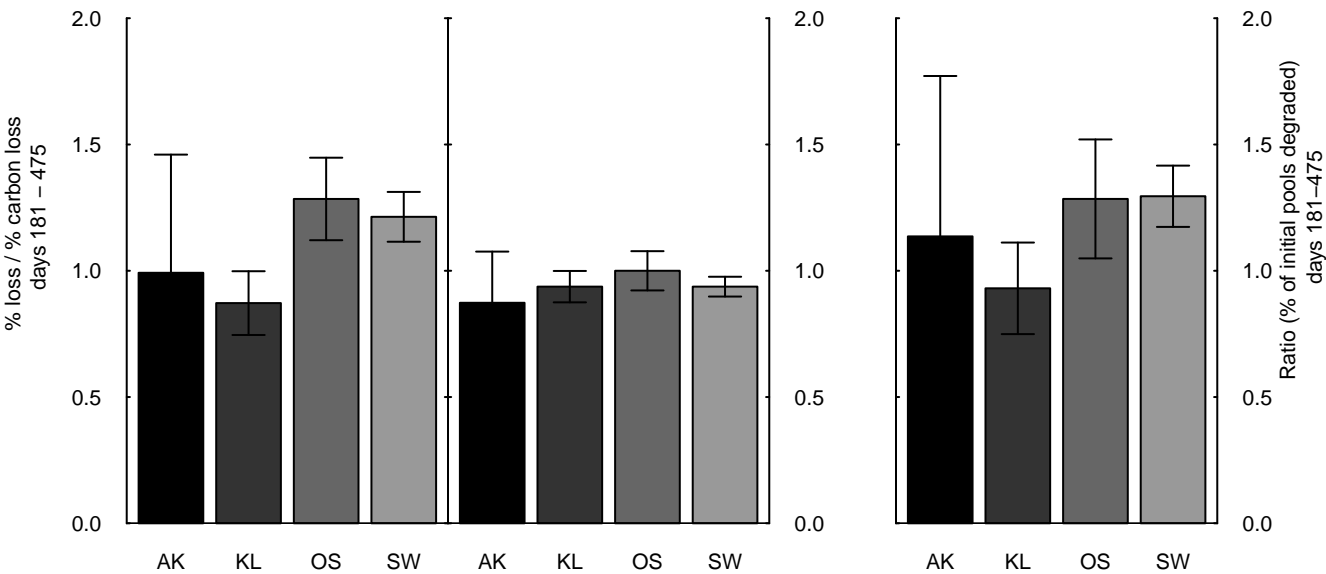
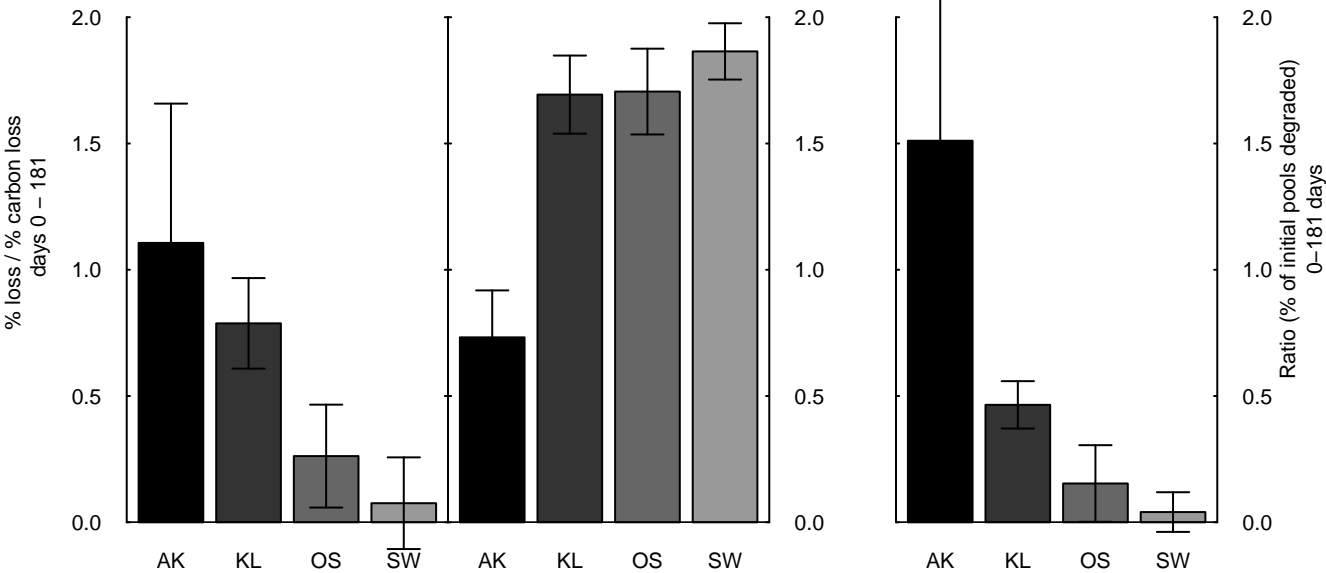
### Phenoloxydase



### Phenoloxydase/Cellulase





**Lignin****Carbohydrates****Lignin/Carbohydrates**

Lignin decomp  
Carbohydrate decomp

3  
2  
1  
0

4



40

3  
2  
1  
0



8

3  
2  
1  
0



LCl change  
0.06  
0.04  
0.02  
0.00  
-0.02

4



40

0.06  
0.04  
0.02  
0.00  
-0.02



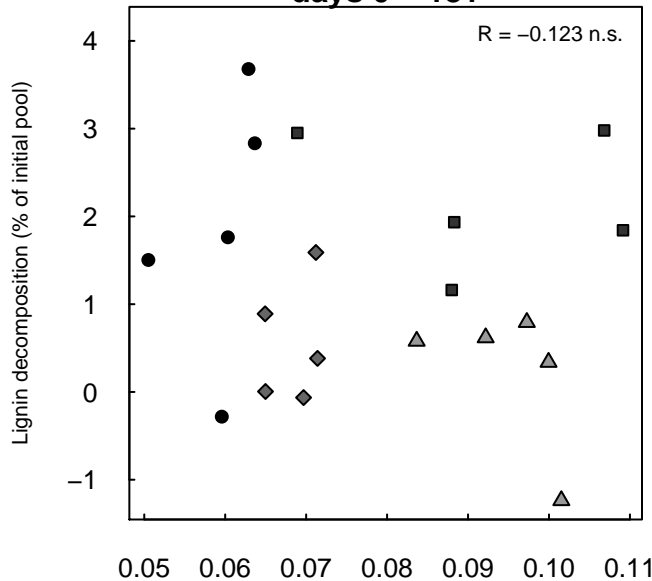
8

0.06  
0.04  
0.02  
0.00  
-0.02

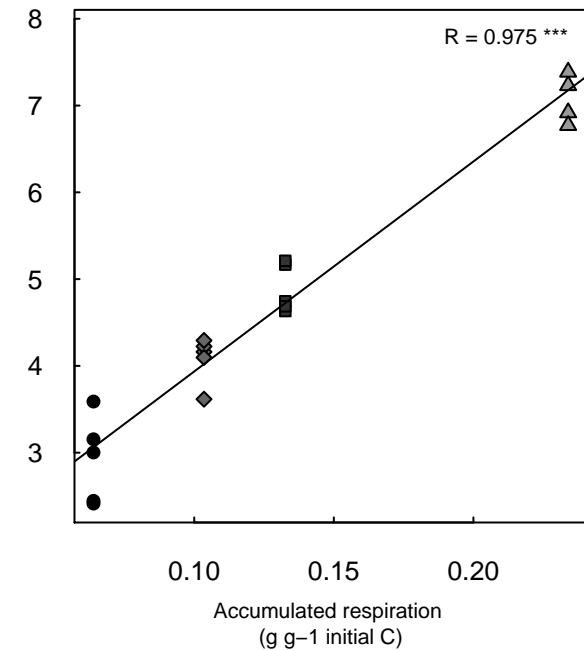
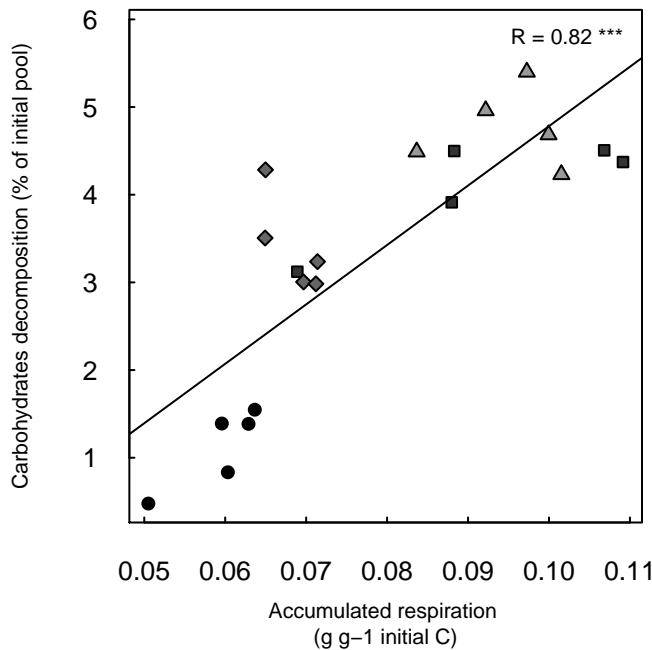
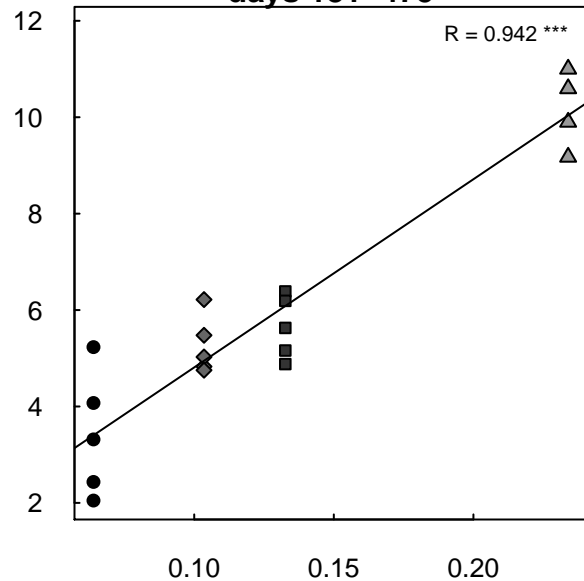


C:N resource / C:P resource / C:N:P resource / N:P resource

days 0 – 181



days 181–475



Decomposition (Lignin/Carbohydrates)  
ratio of % of initial content decomposed.

