

APPENDIX 5 STATISTICAL ANALYSIS RESULTS

| Dependent variable | Descriptive Statistics and Normality Tests | | | | Types of management tested | Sampled periods | Logging intensity (nominal variable 1) | | | Calendar seasons (nominal variable 2) | | |
|---------------------------------|--|----------|----------|-----------|----------------------------|-----------------|--|----------------|-------------------------|---------------------------------------|----------------|-------------------------|
| | Mean | SD | Skewness | Kurtosis | | | <i>F</i> | <i>p-value</i> | <i>F_{crit}</i> | <i>F</i> | <i>p-value</i> | <i>F_{crit}</i> |
| | pH | 4,6325 | 0,6638 | -0,9285 | | | 0,2479 | C, C-w-s | X1, S1 | 0,0065 | 0,9368 | 4,7472 |
| Cox | 35,3892 | 14,0730 | 0,1131 | -1,1770 | C, C-w-s, HF | S1, S2, S3 | 0,5437 | 0,5868 | 3,3541 | 0,5536 | 0,5813 | 3,3541 |
| Ctot | 2,9772 | 1,3663 | 0,4692 | -1,4094 | C, C-w-s, HF | S1, S3 | 0,2097 | 0,8128 | 3,5546 | 1,0520 | 0,3186 | 4,4139 |
| Ntot | 0,2154 | 0,0937 | 0,1916 | -1,5462 | C, C-w-s, HF | S1, S3 | 0,0054 | 0,9946 | 3,5546 | 0,0337 | 0,8565 | 4,4139 |
| C:N | 14,5889 | 1,5890 | 1,8601 | 5,9983 | C, C-w-s, HF | S1, S3 | 0,1968 | 0,8231 | 3,5546 | 3,5028 | 0,0776 | 4,4139 |
| Cmic (fresh soil) | 65,5505 | 34,2214 | 0,4702 | -1,0129 | C, C-w-s, HF | S1, S2, S3 | 1,1411 | 0,3344 | 3,3541 | 0,0212 | 0,9790 | 3,3541 |
| Cmic (incubated samples) | 43,10666 | 22,46897 | 0,7002 | -0,8130 | C, C-w-s, HF | S1, S2, S3 | 0,6135 | 0,5489 | 3,3541 | 3,6681 | 0,0390 | 3,3541 |
| Phosphatase (fresh soil) | 640,1795 | 309,6493 | 0,3126 | -1,0338 | C, C-w-s, HF | S1, S2, S3 | 1,5292 | 0,2349 | 3,3541 | 6,5069 | 0,0049 | 3,3541 |
| Phosphatase (incubated samples) | 529,7946 | 221,9617 | 0,1367 | -1,4341 | C, C-w-s, HF | S1, S2, S3 | 0,3786 | 0,6884 | 3,3541 | 0,0118 | 0,9882 | 3,3541 |
| Urease (fresh soil) | 47,43788 | 26,31641 | 0,5321 | -1,0401 | C, C-w-s, HF | S1, S2, S3 | 0,7430 | 0,4852 | 3,3541 | 1,2916 | 0,2913 | 3,3541 |
| Urease (incubated samples) | 45,81813 | 26,2277 | 0,6994 | -0,6459 | C, C-w-s, HF | S1, S2, S3 | 1,0299 | 0,3706 | 3,3541 | 2,2348 | 0,1264 | 3,3541 |
| Catalase (fresh soil) | 56,50922 | 29,13613 | 0,8070 | -0,4956 | C, C-w-s, HF | S1, S2, S3 | 0,2143 | 0,8084 | 3,3541 | 23,0169 | 0,0000 | 3,3541 |
| Catalase (incubated samples) | 44,45124 | 24,55329 | 1,2475 | 0,8723 | C, C-w-s, HF | S1, S2, S3 | 0,1272 | 0,8811 | 3,3541 | 8,4814 | 0,0014 | 3,3541 |
| BR (incubated samples) | 2,507095 | 2,385677 | 2,1688 | 5,5543 | C, C-w-s, HF | S1, S2 | 0,6731 | 0,5225 | 3,5546 | 1,1174 | 0,3045 | 4,4139 |
| SIR (incubated samples) | 8,31412 | 5,053206 | 0,176229 | -1,428716 | C, C-w-s, HF | S1, S2 | 15,1342 | 0,0001 | 3,5546 | 195,2833 | 0,0000 | 4,4139 |
| Ds | 2,5211 | 0,0708 | 0,1846 | -0,7605 | C, C-w-s, HF | S1, S2, S3 | 0,5757 | 0,5723 | 3,5546 | 3,2734 | 0,0871 | 4,4139 |
| MWBC | 40,52227 | 6,836489 | 0,2605 | -1,4759 | C, C-w-s, HF | S1, S2, S3 | 0,0342 | 0,9664 | 3,5546 | 1,5807 | 0,2247 | 4,4139 |
| WBC | 29,87439 | 5,133972 | 0,7748 | -0,1451 | C, C-w-s, HF | S1, S2, S3 | 1,6022 | 0,2289 | 3,5546 | 3,8522 | 0,0653 | 4,4139 |
| Dd | 1,221858 | 0,249212 | -0,2405 | -1,0011 | C, C-w-s, HF | S1, S2, S3 | 0,1651 | 0,8491 | 3,5546 | 1,1642 | 0,2948 | 4,4139 |
| RCM 1 | 71,48 | 25,75649 | 2,0763 | 5,0928 | C, C-w-s, HF | S1, S2, S3 | 0,6562 | 0,5308 | 3,5546 | 4,0899 | 0,0583 | 4,4139 |
| P | 51,7224 | 9,056259 | 0,3014 | -0,9259 | C, C-w-s, HF | S1, S2, S3 | 0,3268 | 0,7254 | 3,5546 | 2,3840 | 0,1400 | 4,4139 |
| A | 30,36952 | 15,37982 | 0,2160 | -1,1672 | C, C-w-s, HF | S1, S2, S3 | 10,2711 | 0,0011 | 3,5546 | 0,5626 | 0,4629 | 4,4139 |
| MAC | 11,20 | 3,911691 | 0,929068 | 1,982627 | C, C-w-s, HF | S1, S2, S3 | 1,8102 | 0,1922 | 3,5546 | 1,9095 | 0,1839 | 4,4139 |
| RCM 2 | 80,99996 | 11,05801 | 1,598512 | 2,344989 | C, C-w-s, HF | S1, S2, S3 | 8,6176 | 0,0024 | 3,5546 | 11,4300 | 0,0033 | 4,4139 |
| PS | 64,13273 | 9,867115 | 0,816356 | 0,996829 | C, C-w-s, HF | S1, S2, S3 | 14,6375 | 0,0002 | 3,5546 | 5,1493 | 0,0358 | 4,4139 |