**Suppl. Table 4**

Effect of mild water deficit on stress-response enzymatic markers measured in MUNASQA and TJ2049 soybean genotypes. Values of Superoxide dismutase (SOD), Ascorbate peroxidase (APX), Phenol peroxidase (POX) and Catalase (CAT) enzymatic activities were obtained from plants submitted to water deficit (Ψs=-0.65 MPa) and well-watered treatments (Ψs=-0.05 MPa) applied in R5 phenological stage. The experiment was conducted with both genotypes (n= 5 per genotype/treatment), which were evaluated 72 hs after stress imposition. Average values followed by the same uppercase letter in the column do not differ statistically, according to Tukey’s HSD test at 5%.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Genotype and Treatment** | **SOD****(µmol O2- gDW-1 min-1)** | **APX****(µmol Asa gDW-1 min-1)** | **POX****(µmol Purpurogalline gDW-1 min-1)** | **CAT****(µmol H2O2 gDW-1 min-1)** |
| **TJ2049 Control** | 70.57 | **A** | 42.13 | **A** | 141.5 | **B** | 103.70 | **B** |
| **TJ2049 Stress** | 72.67 | **A** | 90.50 | **B** | 121.33 | **A** | 138.83 | **C** |
| **MUNASQA Control** | 118.29 | **B** | 151.47 | **C** | 146.10 | **C** | 93.07 | **A** |
| **MUNASQA Stress** | 199.78 | **C** | 160.13 | **D** | 151.03 | **D** | 104.07 | **B** |
| **Standard Error** | 1.50 | 1.22 | 0.69 | 1.87 |