

Table S1. Differences in physiological parameters compared to the values before HS. Single asterisk indicates a significant difference, $p < 0.05$; double asterisk indicates a statistical difference, $p < 0.01$; triple asterisk indicates a statistical difference, $p < 0.001$; ns indicates not significant difference ($p > 0.05$).

| Physiological parameter | Difference (%) | | | | | | | |
|-------------------------|-----------------|-------------|-------------|--------------|------------------|--------------|--------------|--------------|
| | After HS-2 days | | | | After HS-10 days | | | |
| | SI+ | SPRI | SI | SDI | SI+ | SPRI | SI | SDI |
| Stem water potential | +29.66 (***) | +18.77 (**) | +9.45 (ns) | -25.55 (***) | +35.52 (***) | +25.72 (***) | +14.67 (*) | -34.83 (***) |
| Photosynthesis | -12.05 (ns) | +0.72 (ns) | +0.72 (ns) | -50.97 (***) | -5.66 (ns) | -5.08 (ns) | +2.30 (ns) | -20.19 (**) |
| Stomatal conductance | -20.65 (**) | -4.85 (ns) | -15.65 (ns) | -64.96 (***) | -36.84 (***) | -19.56 (ns) | -19.80 (*) | -48.72 (**) |
| Transpiration rate | -4.71 (ns) | +8.49 (ns) | +2.16 (ns) | -54.78 (***) | -35.48 (***) | -30.69 (***) | -56.35 (***) | -34.63 (***) |
| Water use efficiency | +11.07 (ns) | +6.05 (ns) | +19.09 (ns) | +39.45 (**) | +47.78 (*) | +12.55 (ns) | +28.19 (ns) | +51.78 (***) |

Table S2. Differences in VIs compared to the values before HS. Single asterisk indicates a significant difference, $p < 0.05$; double asterisk indicates a statistical difference, $p < 0.01$; triple asterisk indicates a statistical difference, $p < 0.001$; ns indicates not significant difference ($p > 0.05$).

| VI | Difference (%) | | | | | | | |
|-------------|-----------------|-------------|-------------|---------------|------------------|--------------|--------------|--------------|
| | After HS-2 days | | | | After HS-10 days | | | |
| | SI+ | SPRI | SI | SDI | SI+ | SPRI | SI | SDI |
| EVI | -2.56 (ns) | -6.24 (**) | -0.78 (ns) | -7.92 (***) | -7.73 (***) | -7.49 (***) | -5.74 (*) | -11.42 (***) |
| GI | -6.64 (ns) | -3.73 (ns) | +0.98 (ns) | +22.35 (***) | -12.98 (**) | -7.15 (ns) | -13.43 (**) | +4.11 (ns) |
| GNDVI | -1.29 (ns) | +1.57 (ns) | -0.15 (ns) | -16.45 (***) | -3.58 (*) | +2.71 (ns) | +4.37 (ns) | -10.48 (***) |
| MSR | -3.15 (ns) | -10.07 (**) | -1.24 (ns) | -8.09 (*) | -11.61 (***) | -11.75 (***) | -6.86 (ns) | -12.37 (***) |
| NDGI | -9.25 (ns) | -5.66 (ns) | +3.28 (ns) | +32.64 (***) | -19.25 (***) | -11.03 (ns) | -19.13 (**) | +7.23 (ns) |
| NDVI | -1.07 (ns) | -3.43 (ns) | +1.68 (ns) | -2.19 (ns) | -4.36 (*) | -4.02 (*) | -0.45 (ns) | -3.96 (*) |
| SRI | +5.71 (ns) | -7.96 (ns) | -1.96 (ns) | -24.76 (***) | +1.02 (ns) | -7.69 (ns) | +4.75 (ns) | -17.70 (***) |
| TCARI | -8.93 (ns) | +22.99 (ns) | +16.11 (ns) | +76.90 (***) | -10.16 (ns) | +13.24 (ns) | -11.91 (ns) | +35.95 (**) |
| VARI | -7.63 (ns) | -5.65 (ns) | -2.17 (ns) | +19.15 (***) | -19.98 (***) | -13.13 (*) | -22.74 (***) | -1.55 (ns) |
| PRI | -31.63 (ns) | -32.41 (ns) | -33.77 (ns) | -121.92 (***) | -43.78 (*) | -60.82 (**) | -45.78 (ns) | -37.42 (ns) |
| TCARI/OSAVI | -8.61 (ns) | +34.73 (ns) | +22.99 (ns) | +125.63 (***) | -2.98 (ns) | +11.36 (ns) | -8.52 (ns) | +67.13 (***) |
| WBI | -0.40 (ns) | -0.36 (ns) | -0.12 (ns) | -0.16 (ns) | -0.48 (ns) | -0.73 (**) | -0.03 (ns) | -0.21 (ns) |