

Table 1 Effect of water stress on total chlorophyll (mg/g) at different growth stages of banana cultivars and hybrids

| Treatments | 3 rd MAP | 5 th MAP | 7 th MAP | 9 th MAP | Harvest | Mean |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------|------|
| Main plot | | | | | | |
| M ₁ | 0.64 | 1.01 | 1.03 | 0.62 | 0.44 | 0.75 |
| M ₂ | 0.52 | 0.92 | 0.90 | 0.54 | 0.38 | 0.65 |
| Mean | 0.58 | 0.96 | 0.97 | 0.58 | 0.41 | 0.70 |
| SEd | 0.031 | 0.052 | 0.060 | 0.034 | 0.026 | |
| CD (P= 0.05) | 0.134 | 0.226 | 0.260 | 0.146 | 0.113 | |
| Sub plot | | | | | | |
| S ₁ | 0.72 | 1.29 | 1.29 | 0.75 | 0.58 | 0.93 |
| S ₂ | 0.69 | 1.19 | 1.18 | 0.72 | 0.58 | 0.87 |
| S ₃ | 0.69 | 1.09 | 1.08 | 0.71 | 0.53 | 0.82 |
| S ₄ | 0.68 | 1.05 | 1.05 | 0.68 | 0.50 | 0.79 |
| S ₅ | 0.61 | 0.98 | 0.98 | 0.62 | 0.46 | 0.73 |
| S ₆ | 0.60 | 0.94 | 0.95 | 0.61 | 0.46 | 0.71 |
| S ₇ | 0.57 | 0.91 | 0.91 | 0.57 | 0.40 | 0.67 |
| S ₈ | 0.56 | 0.90 | 0.90 | 0.54 | 0.39 | 0.66 |
| S ₉ | 0.51 | 0.89 | 0.89 | 0.52 | 0.35 | 0.63 |
| S ₁₀ | 0.48 | 0.86 | 0.85 | 0.48 | 0.26 | 0.59 |
| S ₁₁ | 0.43 | 0.77 | 0.77 | 0.41 | 0.22 | 0.52 |
| S ₁₂ | 0.41 | 0.72 | 0.72 | 0.37 | 0.18 | 0.48 |
| Mean | 0.58 | 0.96 | 0.97 | 0.58 | 0.41 | 0.70 |
| SEd | 0.078 | 0.133 | 0.134 | 0.086 | 0.066 | |
| CD (P= 0.05) | 0.157 | 0.268 | 0.270 | 0.174 | 0.134 | |
| Interaction effect | | | | | | |
| M ₁ S ₁ | 0.78 | 1.31 | 1.35 | 0.77 | 0.60 | 0.96 |
| M ₁ S ₂ | 0.75 | 1.21 | 1.24 | 0.74 | 0.60 | 0.91 |
| M ₁ S ₃ | 0.74 | 1.11 | 1.13 | 0.73 | 0.55 | 0.85 |
| M ₁ S ₄ | 0.71 | 1.07 | 1.08 | 0.70 | 0.52 | 0.82 |
| M ₁ S ₅ | 0.68 | 1.03 | 1.05 | 0.67 | 0.50 | 0.79 |
| M ₁ S ₆ | 0.67 | 1.00 | 1.02 | 0.66 | 0.50 | 0.77 |
| M ₁ S ₇ | 0.64 | 0.97 | 0.98 | 0.62 | 0.44 | 0.73 |
| M ₁ S ₈ | 0.63 | 0.95 | 0.97 | 0.59 | 0.43 | 0.71 |
| M ₁ S ₉ | 0.58 | 0.95 | 0.96 | 0.57 | 0.39 | 0.69 |
| M ₁ S ₁₀ | 0.55 | 0.91 | 0.92 | 0.53 | 0.30 | 0.64 |
| M ₁ S ₁₁ | 0.50 | 0.83 | 0.84 | 0.46 | 0.26 | 0.58 |
| M ₁ S ₁₂ | 0.48 | 0.77 | 0.79 | 0.42 | 0.22 | 0.54 |
| M ₂ S ₁ | 0.66 | 1.27 | 1.23 | 0.73 | 0.56 | 0.89 |
| M ₂ S ₂ | 0.63 | 1.17 | 1.12 | 0.70 | 0.56 | 0.84 |
| M ₂ S ₃ | 0.65 | 1.07 | 1.04 | 0.69 | 0.51 | 0.79 |
| M ₂ S ₄ | 0.65 | 1.03 | 1.02 | 0.66 | 0.48 | 0.77 |
| M ₂ S ₅ | 0.54 | 0.92 | 0.91 | 0.57 | 0.42 | 0.68 |
| M ₂ S ₆ | 0.53 | 0.88 | 0.88 | 0.56 | 0.42 | 0.66 |
| M ₂ S ₇ | 0.50 | 0.85 | 0.84 | 0.52 | 0.36 | 0.62 |
| M ₂ S ₈ | 0.49 | 0.84 | 0.83 | 0.49 | 0.35 | 0.60 |
| M ₂ S ₉ | 0.44 | 0.83 | 0.82 | 0.47 | 0.31 | 0.58 |
| M ₂ S ₁₀ | 0.41 | 0.80 | 0.78 | 0.43 | 0.22 | 0.53 |
| M ₂ S ₁₁ | 0.36 | 0.71 | 0.70 | 0.36 | 0.18 | 0.47 |
| M ₂ S ₁₂ | 0.34 | 0.67 | 0.65 | 0.32 | 0.14 | 0.43 |
| Mean | 0.58 | 0.96 | 0.97 | 0.58 | 0.41 | 0.70 |
| SEd | | | | | | |
| M at S | 0.110 | 0.188 | 0.191 | 0.122 | 0.094 | |
| S at M | 0.110 | 0.187 | 0.189 | 0.121 | 0.094 | |
| CD (P= 0.05) | | | | | | |
| M at S | 0.242 | 0.412 | 0.429 | 0.267 | 0.207 | |
| S at M | 0.222 | 0.380 | 0.382 | 0.246 | 0.190 | |