

Table 1. Effect of enhanced UV-B radiation on shoot and root length at different growth stages of *Triticum aestivum* L. var. HD 2329 and HUW 234 under varying fertility levels (Mean \pm 1 S.E. Values within each column followed by the same letter are not significantly different ($p < 0.05$) using Duncan's Multiple Range test).

| Cultivar | Treatment | Shoot length (cm plant ⁻¹) | | | | | Root length (cm plant ⁻¹) | | | | |
|------------------|-------------------------------|--|-------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|
| | | 35 DAS | 55 DAS | 75 DAS | 120 DAS | 120 DAS | 35 DAS | 55 DAS | 75 DAS | 75 DAS | 120 DAS |
| HD 2329 | F ₀ C | 20.6 \pm 1.04 ^{cd} | 49.0 \pm 2.97 ^c | 76.3 \pm 5.73 ^e | 79.0 \pm 5.79 ^e | 79.0 \pm 5.79 ^e | 5.1 \pm 0.92 ^a | 11.5 \pm 1.93 ^{abc} | 15.1 \pm 2.47 ^a | 15.1 \pm 2.47 ^a | 15.7 \pm 2.73 ^a |
| | F ₀ T | 18.8 \pm 1.68 ^d | 46.5 \pm 3.11 ^c | 71.1 \pm 3.92 ^f | 72.1 \pm 4.32 ^d | 72.1 \pm 4.32 ^d | 4.9 \pm 0.31 ^a | 10.9 \pm 1.21 ^{bcd} | 12.1 \pm 1.88 ^b | 12.1 \pm 1.88 ^b | 12.6 \pm 2.46 ^{cd} |
| | F ₁ C | 25.5 \pm 2.11 ^{ab} | 61.7 \pm 1.92 ^{ab} | 90.5 \pm 4.77 ^{ab} | 92.7 \pm 6.11 ^a | 92.7 \pm 6.11 ^a | 4.8 \pm 0.64 ^a | 12.6 \pm 0.98 ^a | 10.8 \pm 1.49 ^{cd} | 10.8 \pm 1.49 ^{cd} | 14.2 \pm 2.19 ^b |
| | F ₁ T | 23.0 \pm 1.19 ^{bc} | 58.6 \pm 1.49 ^b | 85.3 \pm 5.85 ^d | 87.9 \pm 3.93 ^{ab} | 87.9 \pm 3.93 ^{ab} | 4.4 \pm 0.48 ^a | 10.1 \pm 1.49 ^d | 8.9 \pm 1.36 ^e | 8.9 \pm 1.36 ^e | 9.15 \pm 1.99 ^f |
| | F ₂ C | 27.2 \pm 1.43 ^{ab} | 64.4 \pm 2.38 ^a | 89.5 \pm 5.93 ^{bc} | 90.3 \pm 3.69 ^d | 90.3 \pm 3.69 ^d | 5.1 \pm 0.19 ^a | 11.9 \pm 2.01 ^{ab} | 12.4 \pm 1.47 ^b | 12.4 \pm 1.47 ^b | 12.45 \pm 1.47 ^{cd} |
| | F ₂ T | 26.7 \pm 2.96 ^{ab} | 62.4 \pm 2.77 ^{ab} | 88.1 \pm 6.12 ^c | 87.7 \pm 4.17 ^b | 87.7 \pm 4.17 ^b | 5.0 \pm 0.44 ^a | 11.4 \pm 1.87 ^{bc} | 11.0 \pm 1.69 ^c | 11.0 \pm 1.69 ^c | 12.1 \pm 1.23 ^{de} |
| | F ₃ C | 29.6 \pm 1.43 ^a | 62.4 \pm 3.19 ^{ab} | 91.7 \pm 2.77 ^a | 94.3 \pm 6.72 ^a | 94.3 \pm 6.72 ^a | 5.2 \pm 0.36 ^a | 11.5 \pm 1.44 ^{abc} | 12.4 \pm 1.86 ^b | 12.4 \pm 1.86 ^b | 13.1 \pm 1.41 ^c |
| HUW 234 | F ₃ T | 28.1 \pm 1.11 ^a | 59.6 \pm 1.12 ^{ab} | 86.1 \pm 1.93 ^b | 87.7 \pm 4.29 ^b | 87.7 \pm 4.29 ^b | 4.7 \pm 0.29 ^a | 10.4 \pm 1.63 ^{cd} | 10.1 \pm 1.92 ^d | 10.1 \pm 1.92 ^d | 11.3 \pm 1.87 ^e |
| | F ₀ C | 26.8 \pm 1.71 ^{bc} | 44.1 \pm 2.41 ^c | 72.7 \pm 4.93 ^d | 74.8 \pm 7.39 ^d | 74.8 \pm 7.39 ^d | 4.8 \pm 0.71 ^{ab} | 10.4 \pm 1.69 ^{cd} | 12.8 \pm 1.46 ^a | 12.8 \pm 1.46 ^a | 12.8 \pm 1.44 ^a |
| | F ₀ T | 24.7 \pm 1.22 ^c | 40.5 \pm 1.77 ^c | 69.1 \pm 4.6 ^d | 69.6 \pm 7.11 ^e | 69.6 \pm 7.11 ^e | 4.2 \pm 0.28 ^{bc} | 8.1 \pm 1.88 ^e | 10.2 \pm 1.71 ^c | 10.2 \pm 1.71 ^c | 10.5 \pm 1.20 ^c |
| | F ₁ C | 31.8 \pm 1.37 ^a | 63.4 \pm 1.08 ^{ab} | 96.6 \pm 5.98 ^b | 101.2 \pm 4.38 ^{ab} | 101.2 \pm 4.38 ^{ab} | 4.5 \pm 0.41 ^{ab} | 13.8 \pm 2.13 ^a | 13.0 \pm 1.23 ^a | 13.0 \pm 1.23 ^a | 13.1 \pm 1.79 ^a |
| | F ₁ T | 29.1 \pm 2.97 ^{ab} | 60.7 \pm 1.48 ^b | 91.2 \pm 5.37 ^c | 93.4 \pm 6.24 ^c | 93.4 \pm 6.24 ^c | 3.8 \pm 0.27 ^c | 10.5 \pm 1.29 ^{cd} | 10.7 \pm 1.84 ^b | 10.7 \pm 1.84 ^b | 10.9 \pm 1.66 ^b |
| | F ₂ C | 27.9 \pm 1.44 ^{bc} | 66.3 \pm 2.77 ^a | 97.8 \pm 5.22 ^b | 101.1 \pm 2.44 ^{ab} | 101.1 \pm 2.44 ^{ab} | 5.1 \pm 0.88 ^a | 12.3 \pm 1.47 ^b | 12.1 \pm 1.47 ^a | 12.1 \pm 1.47 ^a | 12.5 \pm 2.41 ^a |
| | F ₂ T | 26.6 \pm 1.71 ^c | 64.1 \pm 2.16 ^{ab} | 95.7 \pm 5.43 ^{bc} | 98.7 \pm 6.39 ^b | 98.7 \pm 6.39 ^b | 4.8 \pm 0.17 ^a | 10.7 \pm 1.88 ^c | 10.3 \pm 1.41 ^b | 10.3 \pm 1.41 ^b | 10.6 \pm 1.47 ^b |
| F ₃ C | 27.8 \pm 1.43 ^{bc} | 63.9 \pm 3.87 ^{ab} | 103.2 \pm 7.19 ^a | 104.2 \pm 4.93 ^a | 104.2 \pm 4.93 ^a | 4.9 \pm 0.39 ^a | 9.6 \pm 1.02 ^d | 12.4 \pm 1.29 ^a | 12.4 \pm 1.29 ^a | 13.4 \pm 1.42 ^a | |
| F ₃ T | 24.4 \pm 1.22 ^c | 60.9 \pm 4.09 ^b | 97.8 \pm 4.64 ^b | 98.2 \pm 5.76 ^b | 98.2 \pm 5.76 ^b | 4.2 \pm 0.42 ^{bc} | 8.4 \pm 1.46 ^e | 9.9 \pm 1.61 ^b | 9.9 \pm 1.61 ^b | 10.7 \pm 0.89 ^b | |

