AS 3959 Results for Scrub at FDI 100

Radiative heat flux vs firebrand flux at BALs

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Adjusted the distance between the fire front and the edge of the forest to 7 m

Estimated flame angles-Scrub vegetation

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| **Case** | **Scrub vegetation-corresponding flame angle calculation by the algorithm** | | | | |
| **BAL 12.5** | **BAL 19** | **BAL 29** | **BAL 40** | **BAL FZ** |
| FDI 100 | 76.968 | 67.523 | 58.802 | 45.103 | 52.8 |
| FDI 80 | 78.022 | 69.389 | 61.541 | 49.566 | 48.795 |
| FDI 50 | 80.407 | 73.566 | 67.517 | 58.708 | 34.403 |

Estimated radiative heat flux for the estimated flame angles and simulation radiative heat flux (FDI 100)

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| **Edge-to-fire distance** | **Radiative heat flux (kW/m2)** | | | | |
| **BAL 12.5** | **BAL 19** | **BAL 29** | **BAL 40** | **BAL FZ** |
| 5 m | NA | 26.76 | NA | NA | NA |
| 7 m | 4.45 | 24.56 | 37.18 | NA | NA |
| 10 m | NA | 8.87 | 13.96 | 88.77 | NA |