

FIRE DANGER INDEX (FDI) RATING FOR WILDFIRE (VELD, FOREST & MOUNTAIN FIRE)

INDICATIVE COLOUR	BLUE	GREEN	YELLOW	ORANGE	RED
DANGER RATING	Insignificant	Low	Moderate	High	High - extreme
FIRE PREVENTION AND PREPAREDNESS MEASURES	No precaution is needed	Fires including prescribed burns may be lit, used or maintained in the open air on the condition that persons making fires take reasonable precautions against the fires' spreading.	No fires may be allowed in the open air (unless in designated fireplaces), except those that are authorised by the Fire Protection Officer where a Fire Protection Association exists, or elsewhere, by the Chief Fire Officer of the local Fire Service.	No fires may be allowed under any circumstances in the open air.	No fires may be allowed under any circumstances in the open air and Fire Protection Associations and municipal Disaster Management Centres must invoke contingency fire emergency and disaster management plans including extraordinary readiness and response plans. All operations likely to ignite fires halted. Householders placed on alert.
APPLICATION OF THE NATIONAL VELD & FOREST FIRE ACT			Above precautionary measure to be prescribed.	Section 10(1)(b) applies: no person may light, use or maintain a fire in the open air.	Section 10(1)(b) applies: no person may light, use or maintain a fire in the open air.
FIRE BEHAVIOUR	<p>Fires are not likely to ignite. If they do, they are likely to go out without suppression action. There is little flaming combustion.</p> <p>Flame lengths in grassland and plantation forest litter lower than 0,5 m and rates of forward spread less than 0,15 km per hour.</p>	<p>Fires likely to ignite readily but spread slowly.</p> <p>Flame lengths in grassland and plantation forest litter lower than 1m and rates of forward spread less than 0,3 km per hour.</p>	<p>Fires ignite readily and spread rapidly, burning in the surface layers below trees.</p> <p>Flame lengths in grasslands and plantation forests between 1 and 2m, and rates of forward spread between 0.3 and 1.5 kilometres per hour.</p>	<p>Fires ignited readily and spread very rapidly, with local crowning and short-range spotting.</p> <p>Flame lengths between 2 and 5 m, and rates of forward spread between 1.5 and 2.0 kilometres per hour.</p>	<p>Conflagrations are likely in plantation forests, stands of alien invasive trees and shrubs, sugar cane plantations, and fynbos. Long range fire spotting is likely in these fuel types.</p> <p>Rates of forward spread of head fires can exceed 4.0 kilometres per hour and flame lengths will be in the order of 5 – 15 m or more.</p>