



AGRICULTURE AND AGRIBUSINESS

Forest Fire Protection and Plantation Health

3 day course

Classroom, online or in-house

Course overview

A plantation can lose twenty years of growth in an afternoon, and the difference between a fire that is contained and one that is not is usually preparation done months earlier in a season nobody was worried about. This course covers that preparation. Delegates work through fire behaviour: fuel, weather and topography, and why the same ignition behaves completely differently on a slope in the afternoon. Fire danger rating and its use in restricting operations are addressed. Prevention follows through fuel load management, burning of fire breaks, access roads and the neighbour relationships that matter because most fires arrive from outside. Detection and reporting are covered, including towers, patrols and community reporting. Suppression is addressed: initial attack, crew organisation, equipment, water supply and the decision to attack or withdraw. Crew safety is treated directly, including entrapment avoidance. Pest and disease threats follow, covering the main plantation pests of the region and quarantine. The course closes on salvage after fire and on insurance.

What you will learn

- Explain fire behaviour through fuel, weather and topography
- Use fire danger rating to restrict operations
- Manage fuel loads and burn effective fire breaks
- Organise detection, reporting and initial attack
- Lead suppression crews and decide when to withdraw
- Recognise the main plantation pests and apply quarantine
- Salvage burnt timber and manage the insurance claim

Who should attend

- Fire protection officers in forestry
- Plantation managers and foresters
- Fire crew leaders
- Neighbouring landowners in fire protection associations
- Insurers assessing plantation risk

Course outline

- 01 Twenty years lost in an afternoon
- 02 Fuel, weather and topography
- 03 Fire danger rating and operational restriction
- 04 Fuel load management and fire breaks
- 05 Detection, towers and community reporting
- 06 Initial attack and crew organisation
- 07 Crew safety and entrapment avoidance
- 08 Pests, quarantine, salvage and insurance

Upcoming dates



Dates	Venue	Format	Fee per delegate
23 to 25 September 2026	Johannesburg, South Africa	Classroom	R14,950
7 to 9 December 2026	Online	Online	R6,500
3 to 5 February 2027	Accra, Ghana	Classroom	USD 995
22 to 24 February 2027	Harare, Zimbabwe	Classroom	USD 995

Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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