Using Fire Behavior Nomographs to Estimate Fire Behavior Characteristics

Course Outline

Lesson 1: Introduction to Fire Behavior Nomographs
approximately 10 minutes

This lesson explains the new fire behavior nomograph format that has been developed to avoid three difficulties with the original format.

Lesson 2: Effective Wind Speed
approximately 1 hour

Lesson 2 illustrates the use of a wind vectoring chart that combines wind speed, wind direction, and slope steepness into the effective mid-flame wind speed. Includes exercises.

Lesson 3: Head Fire Spread Rate & Flame Length
approximately 45 minutes

Lesson 3 describes the use of a new nomographs format for estimating head fire spread rate and flame length. Includes exercises.

Lesson 4: Non-heading Spread Rate & Flame Length
approximately 45 minutes

Lesson 4 illustrates the use of a new chart for estimating spread rate and flame length for flanking and backing fires. Includes exercises.

Course Quiz