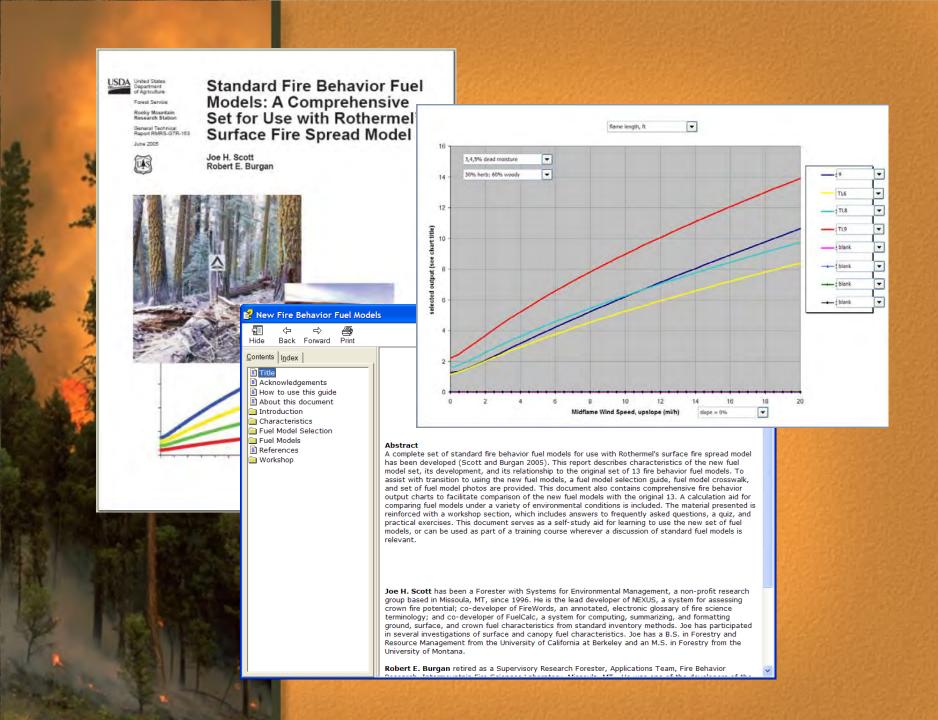


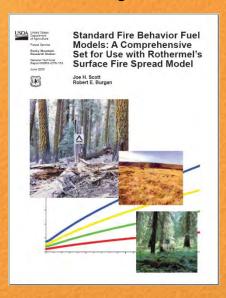
Unit II Fuel Model Resource Tools





• GTR-153

- Photos, descriptions, selection guide, crosswalk, fire behavior charts
- Electronic and printed formats
 - http://www.frames.gov/portal/server .pt/community/fuels/218







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ArcFuels

ArcFuels

ArcFuels is a library of ArcGIS macros developed to streamline fire behavior modeling and spatial analyses for fuel treatment planning. The macros link: 1) key wildfire behavior models; 2) fuels and vegetation data (e.g. Landfire, FVS databases); 3) MS Office, and 4) ArcGIS.



Subject Areas > Fuels > Home

NEW! FRAMES has a new URL: http://www.frames.gov

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FUELS

Combustible material. (National Wildfire Coordinating Group/Fire Research And Management Exchange System)

The Fuel subject category contains resources related to the study of fuels, including, but not limited to, fuel categories, fuel properties, fuel moisture, plant flammability, fuel availability, and fuel consumption.

New Fuel Made

RMRS-GTR-153: Standard Fire Behavior Fuel Models: A Comprehensive Set for Use with Rothermel's Surface Fire Spread Model

ew Fuel Models Help File (.pdf file; 8.7 MB).

New Fuel Models Help File (.chm file; 18 MB) Important! This is a LARGE file. Right click on the link to save a copy to your computer. The help file WILL NOT WORK if opened in a browser window. If you are having trouble opening the file once it's been downloaded, refer to the Microsoft Help page.

New Fuel Models Power Point Presentation (.ppt file; 2.5 MB)

Fuel Models Spreadsheet (CompareModelsFour.xls file; 114 Combined Fuel Model Spreadsheet and Help File (.zip file;

About the Spreadsheet: The spreadsheet NewFuelModelsFour.xls is provided so that you can make quick, simple comparisons of the new fuel models with each other and with the original 13 fuel models. Guidance for using the spreadsheet is included in the helpfile, described below.

About the Help File: The helpfile describes characteristics of the new fuel model set, its development, and its relationship to the original set of 13 fire behavior fuel models. To assist with transition to using the new fuel models, a fuel model selection guide, fuel model crosswalk, and set of fuel model photos are provided. This document also contains comprehensive fire behavior output charts to facilitate comparison of the new fuel models with the original 13. A calculation aid for comparing fuel models under a variety of environmental conditions is included.

The material presented is reinforced with a workshop section, which includes answers to frequently asked questions, a quiz, and practical exercises. This document serves as a self-study aid for learning to use the new set of fuel models, or can be used as part of a training course wherever a discussion of standard fuel models is relevant.

About the GTR: This report describes a new set of standard fire behavior fuel models for use with Rothermel's surface fire spread model and the relationship of the new set to the original set of 13 fire behavior fuel models. To assist with transition to using the new fuel models, a fuel model selection guide, fuel model crosswalk, and set of fuel model photos are provided.

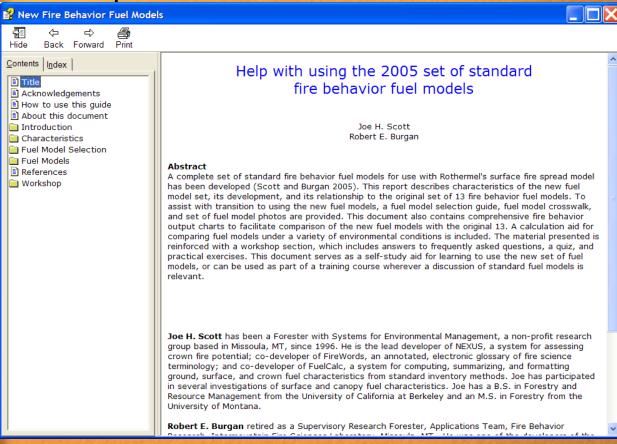
Related Document: Nomographs for estimating surface fire behavior characteristics

Related Resources: The new fuel models relate to the following tools:

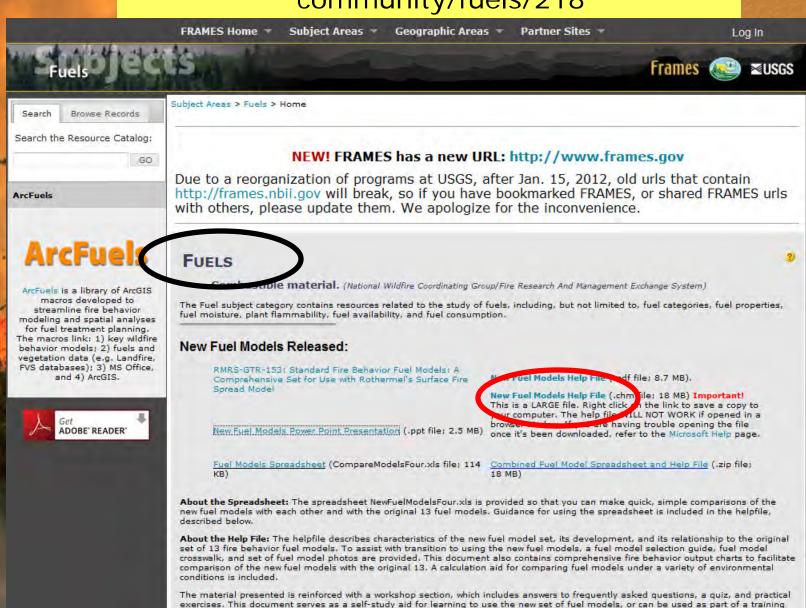


Tools

- GTR-153
- Help file



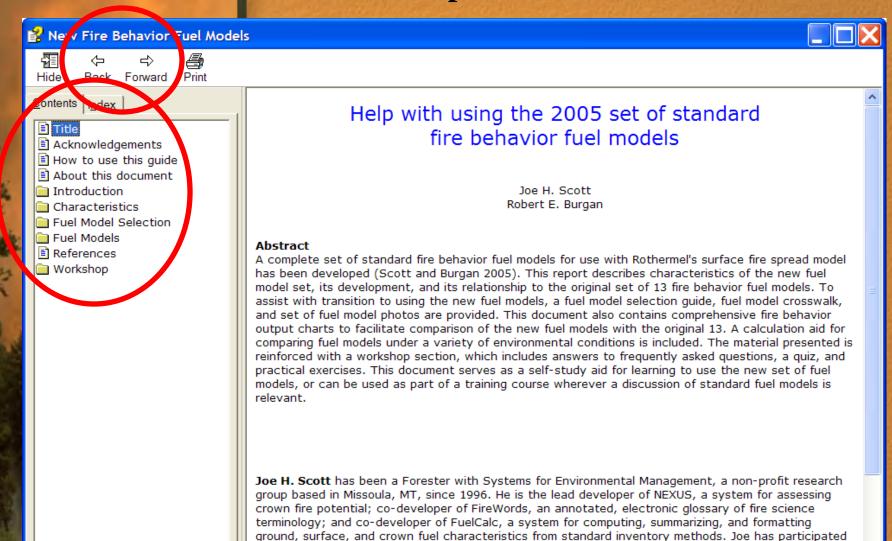
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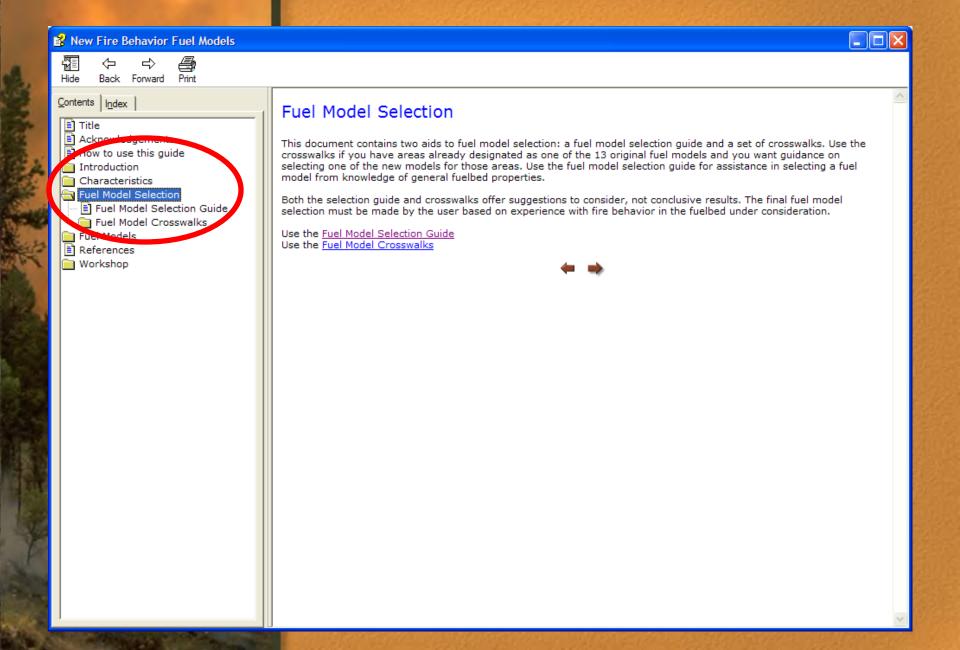


University of Montana.

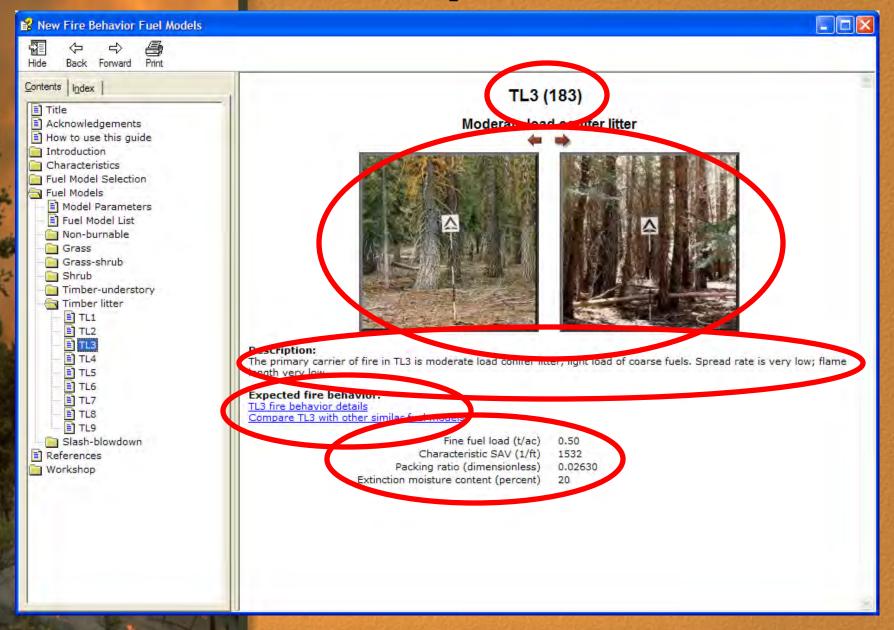
Robert E. Burgan retired as a Supervisory Research Forester, Applications Team, Fire Behavior

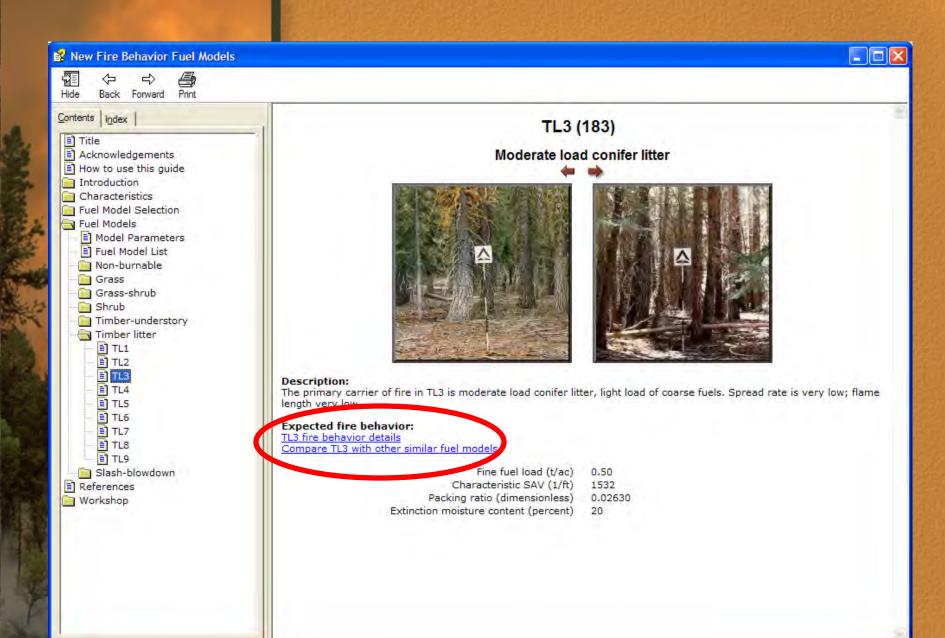
in several investigations of surface and canopy fuel characteristics. Joe has a B.S. in Forestry and Resource Management from the University of California at Berkeley and an M.S. in Forestry from the

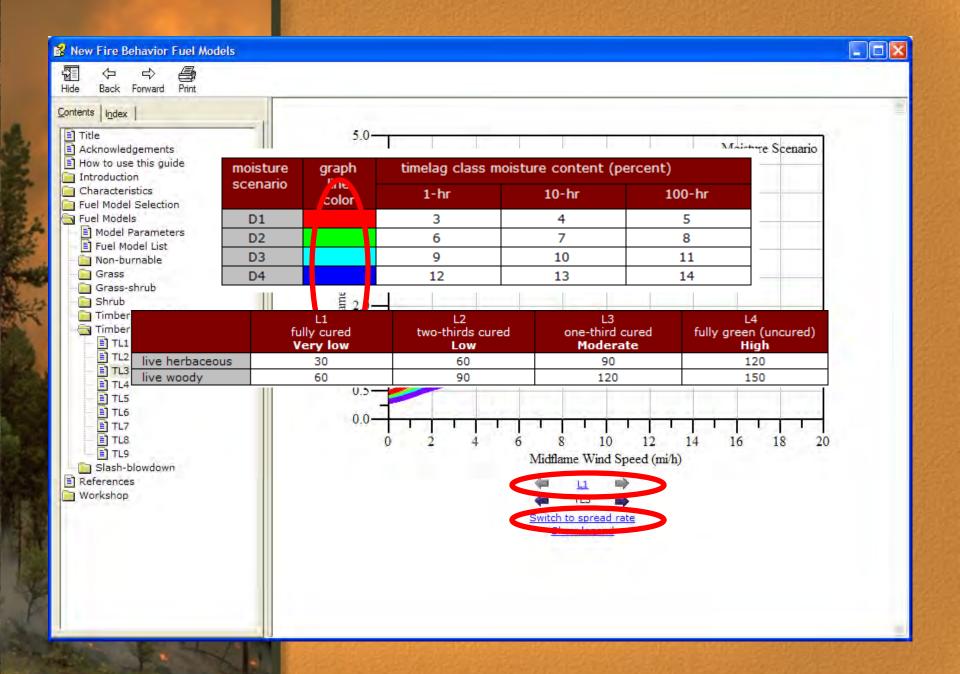
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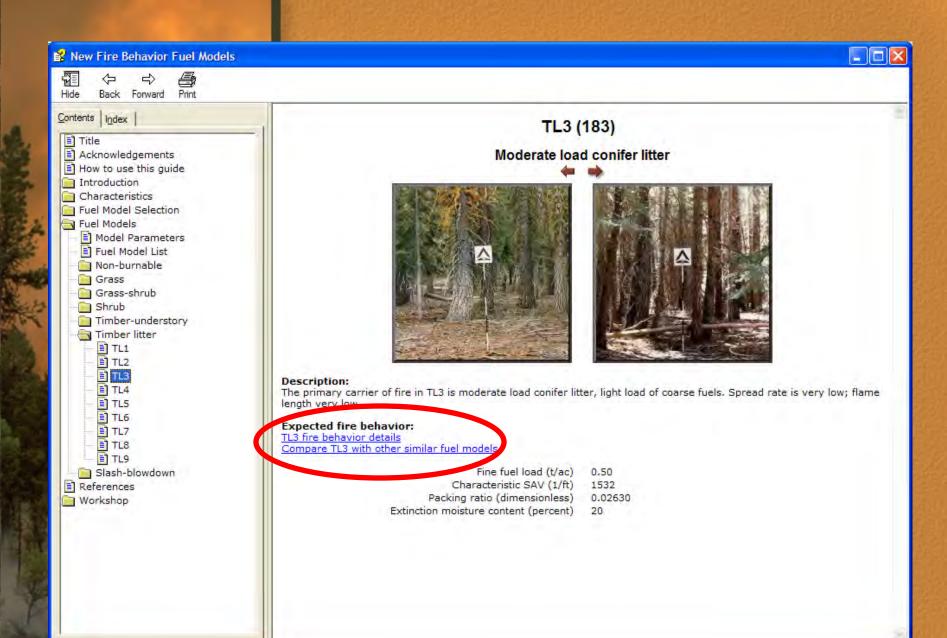


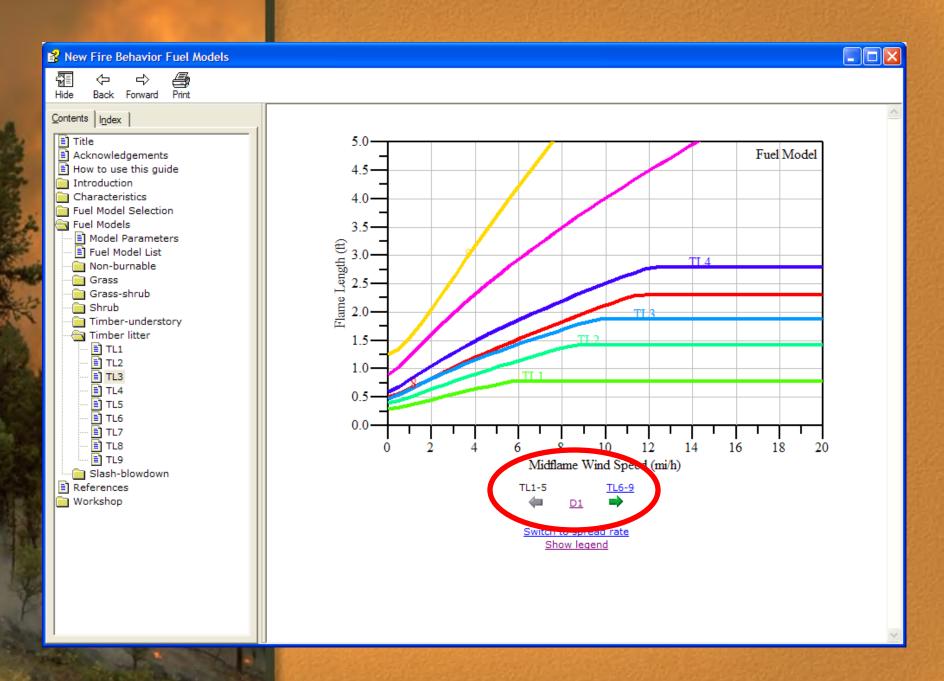
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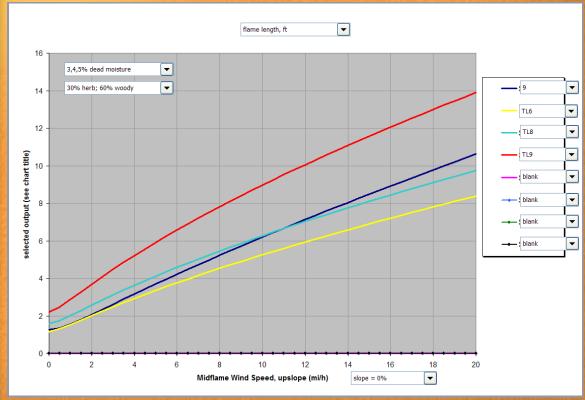






Documentation

- Printed GTR
- Help file
- Comparison spreadsheet



Fuels





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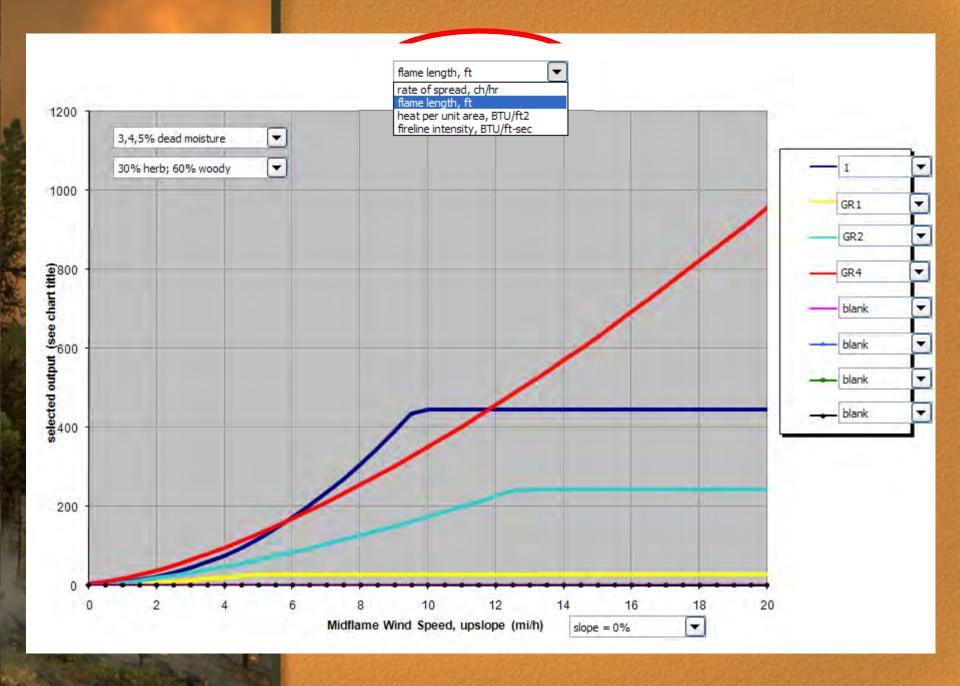
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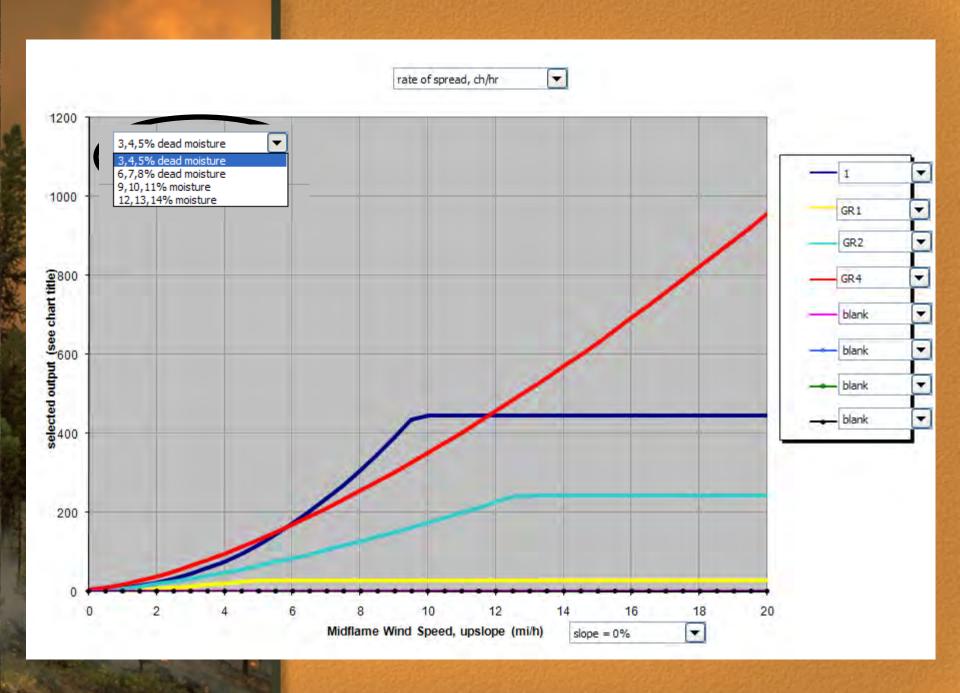
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Summary

- Three tools
 - Printed GTR
 - Electronic help file
 - Comparison spreadsheet
 - http://www.frames.nbii.gov