

Using the BehavePlus fire modeling system in Prescribed Fire Planning

Workshop presenters:

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Description:

The BehavePlus fire modeling system is often used for developing prescribed fire plans. In addition, it can be used for fuel model testing, fuel hazard assessment, and projecting the behavior of an ongoing fire. BehavePlus can be effectively used to learn about specific fire models (such as transition to crown fire) that are included in spatial modeling systems where relationships are not as readily apparent.

BehavePlus contains many models that are particularly suited to prescribed fire planning, including surface and crown fire spread and intensity, transition to crown fire, size and shape of a point source fire, containment requirements, spotting distance, scorch height, tree mortality, probability of ignition, and fine dead fuel moisture. Special features of the program include producing tables of acceptable fire conditions for fire prescriptions, exporting results for further analysis using a spreadsheet, developing workspaces for documentation files, and more. The program help system includes a description of the many input and output variables. That information is also available in a single reference document with many internal links.

This interactive workshop is designed for those **already familiar** with using BehavePlus. Interactive, hands-on exercises will allow attendees to explore BehavePlus features through development of a sample prescribed fire plan. Time will be allowed for questions regarding the use of BehavePlus in prescribed fire planning. Attendees bringing their own computers will learn the most from this workshop.

This is a hands-on workshop requiring a laptop computer. Participants should install the latest version of BehavePlus version 5 from www.FireModels.org before attending the workshop.