

**NATIONAL WEATHER SERVICE  
PRODUCT/SERVICE DESCRIPTION DOCUMENT (PDD)  
TYPE: Experimental Product  
DATE: June 08, 2003**

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EXPERIMENTAL FIRE WEATHER PRESCRIPTION PAGE

## Part 1 - Mission Connection

### 1. Product/Service Description:

The fire weather prescription web page allows a fire manager to enter prescribed burn weather parameters, and obtain a preliminary forecast for the burn area. If the burn appears to be in prescription, a spot forecast can be requested from the Tucson WFO. The preliminary burn forecast is derived from local digital forecast fields maintained 24/7 at the Tucson WFO.

### 2. Purpose/Intended Use:

This experimental web page is designed to give fire managers a quick snapshot of weather parameters associated with their burn area. This snapshot will help reduce unnecessary spot forecasts.

### 3. Audience:

The audience is federal fire managers in southeastern Arizona.

### 4. Presentation Format:

All interactions occurs via a web page. Weather parameter prescription details are entered via text boxes. Forecast data is displayed in a color coded bar graph format. Green represents weather conditions fall within prescription. Red and blue represent conditions outside of the prescription.

### 5. Feedback Method:

Most feedback comes from fire manager interactions with WFO personnel. Feedback may also be provided by mail:

Tom Evans or Gary Zell  
National Weather Service  
520 N. Park Avenue - Suite 304  
Tucson, AZ 85719  
Phone 520-670-5156

E-mail comments or questions can be sent to [tom.evans@noaa.gov](mailto:tom.evans@noaa.gov) or [gary.zell@noaa.gov](mailto:gary.zell@noaa.gov).

### 6. Example/URL: <http://www.wrh.noaa.gov/tucson/gfe/fwxfwprescrib.html>

## Part 2 - Technical

### 1. **Format and Science Basis:**

This product was developed to give fire managers an easy method to access preliminary weather conditions without requesting a spot forecast. The underlying digital forecast fields are created via IFPS/GFE. Standard grid editing tools are employed, which are available at every WFO. A 2.5 km resolution is inherent in these data sets.

### 2. **Availability:**

This interactive web page is available 24/7. The underlying digital forecast fields are updated a minimum of twice a day, and as conditions merit.

### 3. **Additional Information:**

Traditional fire weather forecasts are maintained in the PHXFWFTWC and PHXFWSTWC products, WMO headers FNUS55 KTWC and FNUS75 KTWC respectively.