

# SOUTHWEST AREA

Updated: 12/22/2008

## Smoke Management Reporting, Example Information to Supplement the ICS-209

For **ALL Wildland Fire** and **Wildland Fire Use** incidents reported via the ICS-209 form on any land management unit in the States of Arizona and New Mexico, the following information must be inserted in **Block 31** each day the ICS-209 is submitted:

- 1- Each **Fire Behavior Fuel Model (FM)** the fire burns through.
- 2- Corresponding **Blackened Acres (BA)\***.
- 3- Corresponding **Fuel Load (FL)\***.
- 4- Corresponding **Burn Intensity (IN)\***.

\* If feasible, the acreage, fuel load, and intensity reported should be blackened acreage.

**EXAMPLE 1:** On the first day of a wildland fire, the total perimeter acres reported in Block 15 is 1,000, but the blackened acreage is 900. If the blackened acreage **is not** known, then use the total acres (i.e. 1,000) for the report. For FL, multiply the acreage by the corresponding value from the Fuel Model Reference Table. For IN, enter Light, Moderate, or Heavy.

1.	Fuel Model = 2, BA=600, Fuel Load=600 (1.00x600), Intensity=High	Enter	FM=2, BA=600, FL=600, IN=H
2.	Fuel Model = 11, BA=300, Fuel Load=1152 (3.84x300), Intensity=Mod	Enter	FM=11, BA=300, FL=1152, IN=M

**EXAMPLE 2:** On the second day, the fire grew to 1,200 acres. The difference in the acreage since the last submission of the ICS-209 is 200. Only report the new acreage since the last submission. Of the additional 200 acres burned, the specific blackened acreage **is** 150 acres. The entry in Block 31 would be:

1.	Fuel Model = 2, BA=90, Fuel Load=90 (1.00X90), Intensity=High	Enter	FM=2, BA=90, FL=90, IN=H
2.	Fuel Model = 11, BA=60, Fuel Load=230.40 (3.84X60), Intensity=Mod	Enter	FM=11, BA=60, FL=230.40, IN=M

## FUEL MODEL REFERENCE TABLE

	FUEL MODEL	FUEL LOAD*
	<b>Grass</b>	
1	Short Grass (1-ft)	.74
2	Timber w/grass understory	1.00
3	Tall Grass (2.5 ft)	3.01
	<b>Brush</b>	
4	Chaparral (6 ft)	4.00
5	Brush (2 ft)	1.16
6	Brush, dormant, hardwood slash	2.00
7	Southern Rough	1.21
	<b>Timber</b>	
8	Closed timber litter	1.66
9	Hardwood Litter	1.16
10	Timber (litter and understory)	3.00
	<b>Slash</b>	

11	Light	3.84
12	Medium	11.52
13	Heavy	19.36

**\*Average reference value for 1 hr, 10 hr, 100 hr and live fuels. Use this value as the multiplier for estimating tons/acre.**