LANDFIRE Modeling Dynamic Fuels with a			
Attribute	**Description**	**Enumerated Value**	**Enumerated Value Description**
Value	These fire behavior fuel models represent distinct distributions of fuel loadings found among surface fuel components (live and dead), size classes and fuel types. The fuel models are described by the most common fire carrying fuel type (grass, brush, timber litter or slash), loading and surface area-to-volume ratio by size class and component, fuelbed depth and moisture of extinction. Further detail can be found in Scott and Burgan (2005) and Rothermel (1983).	91	NB1
		92	NB2
		93	NB3
		98	NB8
		99	NB9
		101	GR1
		102	GR2
		103	GR3
		104	GR4
		105	GR5
		106	GR6
		107	GR7
		108	GR8
		109	GR9
		121	GS1
		122	GS2
		123	GS3
		124	GS4
		141	SH1
		142	SH2
		143	SH3
		144	SH4
		145	SH5
		146	SH6
		147	SH7
		148	SH8
		149	SH9
		161	TU1
		162	TU2
		163	TU3
		164	TU4
		165	TU5
		181	TL1
		182	TL2
		183	TL3
		184	TL4
		185	TL5
		186	TL6
		187	TL7
		188	TL8
		189	TL9
		201	SB1
		202	SB2
		203	SB3
		204	SB4
Count	number of pixels for the corresponding value		

FBFM13	display attribute, fire behavior 40 fuel model	NB1	Urban
		NB2	Snow/Ice
		NB3	Agriculture
		NB8	Water
		NB9	Barren
		GR1	Short, sparse dry climate grass is sl
		GR2	Low load, dry climate grass primaril
		GR3	Low load, very coarse, humid climat
		GR4	Moderate load, dry climate grass, c
		GR5	Low load, humid climate grass, fuell
		GR6	Moderate load, continuous humid cl
		GR7	High load, continuous dry climate gr
		GR8	High load, very coarse, continuous,
		GR9	Very high load, dense, tall, humid cl
		GS1	Low load, dry climate grass-shrub s
		GS2	Moderate load, dry climate grass-sh moderate
		GS3	Moderate load, humid climate grass and flame length is moderate
		GS4	High load, humid climate grass-shru very high
		SH1	Low load dry climate shrub, woody s low
		SH2	Moderate load dry climate shrub, w
		SH3	Moderate load, humid climate shrub flame low
		SH4	Low load, humid climate timber shru about 3 feet, spread rate high and fl
		SH5	High load, humid climate grass-shru
		SH6	Low load, humid climate shrub, woo rate and flame high
		SH7	Very high load, dry climate shrub, w than SH6 and flame very high
		SH8	High load, humid climate shrub, woo spread rate and flame high
		SH9	Very high load, humid climate shrub herbaceous may be present, spread
		TU1	Low load dry climate timber grass s
		TU2	Moderate load, humid climate timbe
		TU3	Moderate load, humid climate timbe moderate
		TU4	Dwarf conifer with understory, short
		TU5	Very high load, dry climate shrub, h
		TL1	Low load compact conifer litter, com rate and flame low
		TL2	Low load broadleaf litter, broadleaf,
		TL3	Moderate load conifer litter, modera
		TL4	Small downed logs moderate load c
		TL5	High load conifer litter, light slash or

		TL6	Moderate load broadleaf litter, sprea
		TL7	Large downed logs, heavy load fore
		TL8	Long needle litter, moderate load lo flame low
		TL9	Very high load broadleaf litter, may
		SB1	Low load activity fuel, light dead and moderate and flame low
		SB2	Moderate load activity fuel or low loa many still standing, spread rate and
		SB3	High load activity fuel or moderate l diameter class, depth > 1 foot, blow
		SB4	High load blowdown, heavy blowdo very high
Red	Red color value/255	0 -1	
Green	Green color value/255	0-1	
Blue	Blue color value/255	0-1	
For more information, refer to: http://www.fs.fed.us/rm/pubs/rmrs_gtr153.pdf			

n Index System (MoD-FIS)

hort, naturally or heavy grazing, predicted rate of fire spread and flame length low
y grass with some small amounts of fine, dead fuel, any shrubs do not affect fire behavior
te grass continuous, coarse humid climate grass, any shrubs do not affect fire behavior
ontinuous, dry climate grass, fuelbed depth about 2 feet
bed depth is about 1-2 feet
limate grass, not so coarse as GR5
rass, grass is about 3 feet high
humid climate grass, spread rate and flame length may be extreme if grass is fully cured
imate grass, about 6 feet tall, spread rate and flame length can be extreme if grass is fully cured
hrub about 1 foot high, grass load low, spread rate moderate and flame length low
rub, shrubs are 1-3 feet high, grass load moderate, spread rate high, and flame length is
-shrub, moderate grass/shrub load, grass/shrub depth is less than 2 feet, spread rate is high
ub, heavy grass/shrub load, depth is greater than 2 feet, spread rate is high and flame length
shrubs and shrub litter, fuelbed depth about 1 foot, may be some grass, spread rate and flame
ody shrubs and shrub litter, fuelbed depth about 1 foot, no grass, spread rate and flame low
, woody shrubs and shrub litter, possible pine overstory, fuelbed depth 2-3 feet, spread rate and
ub, woody shrubs and shrub litter, low to moderate load, possible pine overstory, fuelbed depth lame moderate
ub combined, heavy load with depth greater than 2 feet, spread rate and flame very high
dy shrubs and shrub litter, dense shrubs, little or no herbaceous fuel, depth about 2 feet, spread
oody shrubs and shrub litter, very heavy shrub load, depth 4-6 feet, spread rate somewhat lower
ody shrubs and shrub litter, dense shrubs, little or no herbaceous fuel, depth about 3 feet,
, woody shrubs and shrub litter, dense finely branched shrubs with fine dead fuel, 4-6 feet tall, d rate and flame high
hrub, low load of grass and/or shrub with litter, spread rate and flame low
r-shrub, moderate litter load with some shrub, spread rate moderate and flame low
r grass shrub, moderate forest litter with some grass and shrub, spread rate high and flame
conifer trees with grass or moss understory, spread rate and flame moderate
eavy forest litter with shrub or small tree understory, spread rate and flame moderate
pact forest litter, light to moderate load, 1-2 inches deep, may represent a recent burn, spread
hardwood litter, spread rate and flame low
te load conifer litter, light load of coarse fuels, spread rate and flame low
f fine litter and coarse fuels, small diameter downed logs, spread rate and flame low
dead fuel, spread rate and flame low

ad rate and flame moderate
st litter, larger diameter downed logs, spread rate and flame low
ng needle pine litter, may have small amounts of herbaceous fuel, spread rate moderate and
be heavy needle drape, spread rate and flame moderate
d down activity fuel, fine fuel is 10-20 t/ac, 1-3 inches in diameter, depth < 1 foot, spread rate
ad blowdown, 7-12 t/ac, 0-3 inch diameter class, depth about 1 foot, blowdown scattered with flame low
oad blowdown, heavy dead down activity fuel or moderate blowdown, 7-12t/ac, 0-.25 inch down moderate, spread rate and flame high
wn fuel, blowdown total, foliage and fine fuel still attached to blowdown, spread rate and flame