

Anderson 13 Fuel Models

The **Canadian Forest Fire Behavior Prediction (FBP) System** classifies fuels into **16 distinct fuel types**. Below is a table matching them with the **closest Anderson 13 fuel model**:

Fuel Code	Canadian Fuel Type	Description	Closest Anderson 13 Model
C-1	Spruce-Lichen Woodland	Sparse black spruce with lichen ground cover, low intensity	8 (Closed Timber Litter)
C-2	Boreal Spruce	Dense black spruce with moderate to heavy understory, high intensity	10 (Timber with Heavy Downed Fuel)
C-3	Mature Jack or Lodgepole Pine	Conifer stand with moderate understory, crown fire potential	10 (Timber with Heavy Downed Fuel)
C-4	Immature Jack or Lodgepole Pine	Younger pine stands, lower canopy, fast-spreading	2 (Timber with Grass)
C-5	Red and White Pine	More open pine stands, lower fire intensity than C-3	8 (Closed Timber Litter)
C-6	Conifer Plantation	Managed or planted conifer stands, moderate fire behavior	8 (Closed Timber Litter)
C-7	Ponderosa Pine/Douglas-fir	Open stands with needle litter, lower intensity	9 (Hardwood Litter)
D-1	Leafless Aspen	Deciduous stand with low fire risk in leafless condition	9 (Hardwood Litter)
D-2	Green Aspen	Deciduous stand, higher risk when leaves are on	2 (Timber with Grass)
M-1	Boreal Mixedwood (Leafless)	Mixed conifer and deciduous, moderate fuel load	9 (Hardwood Litter)
M-2	Boreal Mixedwood (Green)	Mixed stand, higher spread potential when leaves are present	2 (Timber with Grass)
M-3	Dead Balsam Fir Mixedwood	Higher conifer content, moderate fuel load	10 (Timber with Heavy Downed Fuel)
M-4	Dead Balsam Fir Mixedwood (Heavy)	High conifer density, increased fire risk	10 (Timber with Heavy Downed Fuel)

Fuel Code	Canadian Fuel Type	Description	Closest Anderson 13 Model
			Fuel)
S-1	Jack or Lodgepole Pine Slash	Light conifer slash from logging operations	11 (Light Slash)
S-2	White Spruce/Balsam Slash	Moderate conifer slash with larger fuel loads	12 (Medium Slash)
S-3	Coastal Cedar/Hemlock/Douglas-fir Slash	Heavy logging slash in coastal regions	13 (Heavy Slash)
O-1a	Matted Grass	Fine grass fuels, matted, less aerated	1 (Short Grass)
O-1b	Standing Grass	Tall, aerated grass fuels, spreads rapidly	3 (Tall Grass)

This mapping provides an approximation between the **Canadian FBP fuel types** and **Anderson's 13 fuel models**, but real-world conditions may vary.

Would you like more details on any specific fuel type?