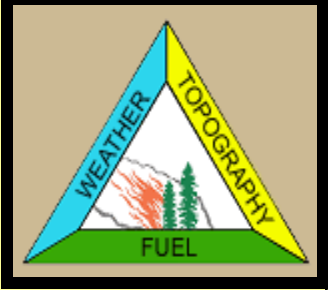




**TOPIC 46A**  
**FBP FUEL TYPES – C-1**



**C-1 Spruce-Lichen Woodland**

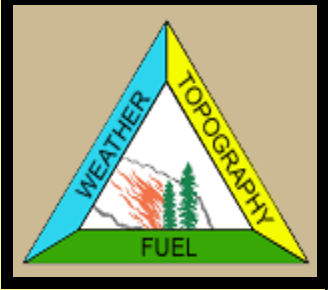
**Major Features of the FBP System Fuel Types**

Type	Stand Structure and Composition	Forest Floor	Organic Layer	Surface Fuels			Ladder Fuels
				Herbs and Shrubs	Understory Conifer	Dead and Down Fuels	
<b>C-1</b>	Open stands of black spruce in dense clumps on well-drained upland sites, jack pine and white birch can be present in small amounts.	Continuous reindeer lichens (mainly <i>Cladonia</i> ) 3-4 cm in depth.	Shallow (0-5 cm) or absent; uncompacted.	Very sparse.	Not present.	Light and scattered.	Live and dead black spruce branches extending to the forest floor. Layering is extensive.





**TOPIC 46B**  
**FBP FUEL TYPES – C-2**



**C-2 Boreal Spruce**

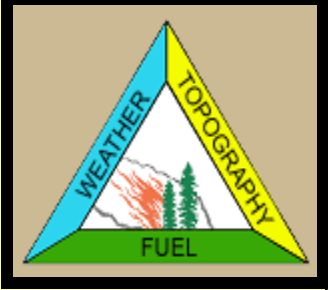
**Major Features of the FBP System Fuel Types**

Type	Stand Structure and Composition	Forest Floor	Organic Layer	Surface Fuels			Ladder Fuels
				Herbs and Shrubs	Understory Conifer	Dead and Down Fuels	
<b>C-2</b>	Moderately well-stocked black spruce stands on upland and lowland sites (excluding sphagnum bogs).	Continuous feather moss and reindeer lichen (usually <i>Cladonia</i> ).	Compact and deep (often exceeding 20-30 cm).	Continuous Labrador tea is often dominant.	Scattered in open stands. Absent in denser stands.	Low to moderate.	Tree crowns extending to or near the ground. Tree bark is flaky and arboreal lichens may be present on branches.





**TOPIC 46C**  
**FBP FUEL TYPES – C-3**



**C-3 Mature jack Pine or Lodgepole Pine**

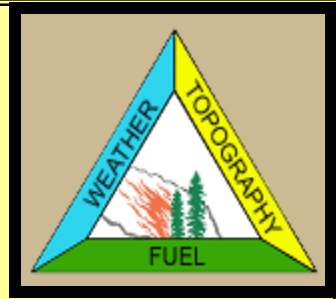
**Major Features of the FBP System Fuel Types**

Type	Stand Structure and Composition	Forest Floor	Organic Layer	Surface Fuels			Ladder Fuels
				Herbs and Shrubs	Understory Conifer	Dead and Down Fuels	
<b>C-3</b>	Fully stocked (1000-2000 stems/ha) mature jack pine or lodgepole pine stands.	Continuous feather moss.	Compact and moderately deep (about 10cm).	Sparse to moderate.	Absent or sparse.	Light and scattered.	Absent. Live crown base is well above the surface floor.





**TOPIC 46D**  
**FBP FUEL**  
**TYPES – C-4**



**C-4 Immature Jack Pine or Lodgepole Pine**

**Major Features of the FBP System Fuel Types**

Type	Stand Structure and Composition	Forest Floor	Organic Layer	Surface Fuels			Ladder Fuels
				Herbs and Shrubs	Understory Conifer	Dead and Down Fuels	
<b>C-4</b>	Pure dense (10000-30000 stems/ha) stands of immature jack pine or lodgepole pine.	Continuous needle litter.	Shallow (0-5 cm) and moderately compact.	Moderate cover. A low shrub layer (e.g. <i>Vaccinium spp.</i> ) is often present.	Large quantity of standing dead stem.	Heavy.	Continuous vertical and horizontal fuel continuity.

