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## 长白山林区落叶松林可燃物模型及火行为状况(PDF)

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Title: Fire behavior model and situation of Larix olgensis combustibles in forest zone of Changbai Mountain

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关键词: [森林可燃物](#); [Rothermel模型](#); [可燃物模型](#); [潜在火行为](#)

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摘要: 在长白山林区不同龄级的落叶松林处设置样地,在样地上设置小样方。采集每个小样方内的死草、活草、凋落物层、半分解层以及1 hr,10 hr,100 hr的杂物和灌木,做了可燃物参数的测定。利用Rothermel模型对落叶松林可燃物的蔓延速率、单位面积的热量、火线强度、火焰长度和最大可靠风速进行了计算,得到了比较满意的结果。根据火行为状况,制定了相应的火灾扑救对策。

Abstract: Sample plots with different age of Larix olgensis forest in Changbai Mountain and small sample quadrates in every sample plot were set up.In every quadrats,dead grass,living grass,litter layer,half-decomposed layer,1 hr ruderal,10 hr ruderal,100 hr ruderal and brush were collected and their combustibles parameters were determined.Rate of spread,heat per unit area,fireline intensity,flame length and maximum reliable wind speed of Larix olgensis combustibles were computed with Rothermel Model.The result is satisfactory.According to fire behavior situation the fire suppression tactics are drawn up.

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