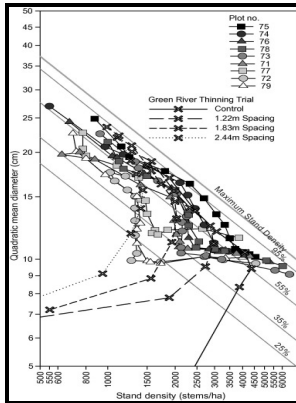# Growth responses in balsam fir stands defoliated by the eastern spruce budworm in Newfoundland

Canadian Forest Service, Newfoundland and Labrador Region - Subject:

Description: -
-
Spruce budworm -- Newfoundland.
Balsam fir -- Newfoundland -- Growth.Growth responses in balsam fir stands defoliated by the eastern spruce budworm in Newfoundland
-
Information report (Canadian Forest Service. Newfoundland and Labrador Region) -- N-X-303.
Information report -- N-X-303.Growth responses in balsam fir stands defoliated by the eastern spruce budworm in Newfoundland
Notes: Includes abstract in French.
This edition was published in 1997

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Tags: #Spruce #budworm #defoliation #and #growth #loss #in #young #balsam #fir: #relationships #between #volume #growth #and #foliage #weight #in #spaced #and #unspaced, #defoliated #and #protected #stands

Temporal patterns of balsam fir sawfly defoliation and growth loss in young balsam fir

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Paradigms in Eastern Spruce Budworm (Lepidoptera: Tortricidae) Population Ecology: A Century of Debate

Six root and butt rots in balsam fir are economically important. The Holocene 18 5 :693-703. .

Spruce budworm defoliation and growth loss in young balsam fir: relationships between volume growth and foliage weight in spaced and unspaced, defoliated and protected stands

Based upon individual year—volume increment relationships for each branch and tree, mean volume increment loss in 1999 and 2000, respectively, was 20 and 42% for observation branches and 12 and 35% for tree stems. Balsam fir with high vigor and a ratio of at least 0. They tend to exaggerate the yields that might be expected from the irregular stands that develop after harvesting 41.

Balsam fir

Description A narrowly conical tree 12-23 m tall, 10-60 cm dbh, with a spire-like crown. Simulating the management and growth of forest stands containing balsam fir is possible because of advances in computer technology.

Impact of a spruce budworm outbreak in balsam fir and subsequent stand development over a 40

Because of its many natural enemies, however, volume mortality of balsam fir also greatly exceeds its original representation in these stands. Bulletin 2541, Non-Timber Forest Products: Goods from the Maine Woods: Maine Balsam Fir: A Tree of Many Uses, Abies balsamea.

Balsam fir

Damage from wind is especially likely when the shallow root systems are loosened by heavy rainfall and gusty winds and where timber removals from stands not previously thinned have been poorly conducted. Buds hidden by leaves or exposed, brown to reddish-purple, conic to globose, scales slightly pubescent, 9-11 mm in diameter, resinous, apex acute; basal scales short, broad, nearly equilaterally triangular, glabrous, resinous, margins entire, apex sharp-pointed.

Spruce budworm defoliation and growth loss in young balsam fir: relationships between volume growth and foliage weight in spaced and unspaced, defoliated and protected stands

On the average, 35 L bushel containing 1,000 to 2,000 cones weighs approximately 16 kg 35 lb and yields 1000 to 1200 g 35 to 42 oz of cleaned seeds. Freezing resistance of trees in North America with reference to tree regions. The variety phanerolepis is found infrequently from Labrador and Newfoundland to Maine and Ontario, and in the high mountains of New Hampshire, Vermont, and New York.

Subject:

Among the herbaceous plants commonly found under balsam fir are twinflower Linnaea borealis , bunchberry Cornus canadensis , starflower Trientalis borealis , creeping snowberry Gaultheria hispidula , sedges Carex spp. Soil moisture was the most important predictor of site index in a study in Newfoundland.

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