



Cone and Seed Improvement Program BCMof Tree Seed Centre



Yellow cedar Articles of Interest

Seed

Anderson, E.D., J.N. Owens, A.M. Colangeli, and J.H. Russell. 2002. Challenges facing *Chamaecyparis nootkatensis* seed orchards: low seed production, pollen-cone abortion, self-pollination, and accelerated embryo development. *Can. J. For. Res.* 32:1411-1419.

Pawuk, W.H. 1993. Germination of Alaska-cedar seed. *Tree Planters' Notes Winter 1993* pp21-24.

Tillman-Sutela, E. and A. Kauppi. 1997. Structures restricting passage of water in the mature seeds of yellow-cedar (*Chamaecyparis nootkatensis*). *Can. J. Bot.* 76:1458-1466.

Dormancy

Ren, Chenwei, and A.R. Kermode. 1999. Analyses to determine the role of the megagametophyte and other seed tissues in dormancy maintenance of yellow cedar (*Chamaecyparis nootkatensis*) seeds: morphological, cellular and physiological changes following moist chilling and during germination. *J. Experimental Bot.* 50: 1403-1419.

Schmitz, N., S.R. Abrams and A.R. Kermode. 2002. Changes in ABA turnover and sensitivity that accompany dormancy termination of yellow-cedar (*Chamaecyparis nootkatensis*) seeds. *J. Experimental Bot.* 53:89-101.

Xia, J-H, and A.R. Kermode. 1999. Analyses to determine the role of embryo immaturity in dormancy maintenance of yellow cedar (*Chamaecyparis nootkatensis*) seeds: synthesis and accumulation of storage proteins and proteins implicated in desiccation tolerance. *J. Exp. Bot.* 50:107-118.

Reproductive Biology

Owens, J.N. and M. Molder. 1974. Cone initiation and development before dormancy in yellow cedar (*Chamaecyparis nootkatensis*). *Can. J. Bot.* 52:2075-2084.

Owens, J.N. and M. Molder. 1974. Pollination, female gametophyte, and embryo and seed development in yellow cedar (*Chamaecyparis nootkatensis*). *Can. J. Bot.* 53:186-199.

Owens, J.N., S.J. Simpson, and M. Molder. 1980. The pollination mechanism in yellow cypress (*Chamaecyparis nootkatensis*). *Can. J. For. Res.* 10:564-572.

Owens, J.N. 1984. The reproductive cycles of western redcedar and yellow-cedar. *Info. Services Br., MoF, Victoria, B.C.* 28 pp.

Hak, O and Russell, JH. 2004. Environmental effects on yellow-cedar pollen quality. Forest Genetics Council Extension Note # 5. 9pp.

El-Kassaby, Y.A. 1995. The fitness of reproductive-cycle plasticity in yellow-cedar (*Chamaecyparis nootkatensis*). *Silvae Genet.* **44**: 217-218.

El-Kassaby, Y.A., Maze, J., MacLeod, D.A., and Banerjee, S. 1991. Reproductive-cycle plasticity in yellow-cedar (*Chamaecyparis nootkatensis*). *Can. J. For. Res.* **21**: 1360-1364.

Diversity and Population Studies

Ritland, C., T. Pape, and K. Ritland. 2001. Genetic structure of yellow cedar (*Chamaecyparis nootkatensis*). *Can. J. Bot.* **79**:822-828.

Hawkins, B.J., Russell, J.H. and Arnott, J.T. 2000. Cold hardiness of yellow-cedar. In: Frost Hardiness of Conifers. Ed. S. Colombo.

Russell, J.H. 1996. Genecology of yellow-cedar. In: Coastally-restricted Forests. Ed. A.D. Laderman. Oxford Press.

Hawkins, B.J., Russell, J.H. and Shortt, R. 1994. Effect of population, environment and maturation on the frost hardiness of yellow-cedar. *Can. J. For. Res.* **24**:945-953.

Russell, J.H. 1992. Clonal forestry with yellow-cedar. In: Ahuja, M.R. and Libby, W.J. Eds. *Clonal Forestry II: Conservation and Application*. Springer-Verlag 240p.