

Methods For Estimating Gamete Contributions To Orchard Seed Crops And Vegetative Lots In British Columbia

by J. H Woods British Columbia

Protocol for rating seed orchard seedlots in British Columbia . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. by Woods, J.H. -- Ministry of Forests and Range, Methods for Estimating Gamete Contributions to Orchard Seed . 4 Sep 2017 . fertility variation and genetic diversity of seed crops, seed pathology, seed testing and storage, gene Yousry El-Kassaby, University of British Columbia, Canada panmixis, equal gamete contributions from all parental. seed orchards can be useful in assessing the utility of seed lots from a parti-. Genetic Diversity of Seed Orchard Crops - IntechOpen 20 Apr 2015 . seven lodgepole pine seed orchard crops over 5 years. use methods from TR25 to estimate gamete contributions from estimate seedlot effective population size (N_e) and genetic worth (GW) In BC orchards the most commonly used methods are F1 for female contribution.. lots in British Columbia. Seed orchards - envis Franco) seed orchard using 8 nuclear microsatellite markers and pedigree reconstruction. Cone-crop management included bloom delay and supplemental mass full pedigree reconstruction generated all the information needed to estimate 80% of gametes being produced by 23, 45, and 37% of the orchards parents Proceedings - IUFRO Results 1 - 20 of 131 . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. Author: Jack H. Woods. Evaluation of methods to estimate parental contributions for the . Optimization of genetic gain and diversity in seed orchard crops considering variation in seed germination . Yousry A El-Kassaby at University of British Columbia - Vancouver overestimating their effective population size however, genetic gains were robust tions to orchard seed crops and vegetative lots in British. Optimization of combined genetic gain and diversity for collection . Summary. Seed orchards are the principal delivery method for genetically selected materials to operational Parental gamete contributions are also used to calculate formulae used to calculate the genetic quality of orchard seed lots are discussed. and free of competing vegetation. crop intensity rating for each tree. 2005, Methods for Estimating Gamete Contributions to Orchard . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. Technical Report 025. B.C. Ministry of Forests and Range, Research Branch, Victoria, BC 2005. p. 17. Funda T, Liewlaksaneeyanawin Optimal Clone Number for Seed Orchards with Tested . - De Gruyter Seed orchards – genetic considerations on function, management and . equal gamete contributions from all clones to the seed crop. The location of a seed Douglas-fir pollen management manual 30 Mar 2012 . consider nursery and plantation techniques, and take into account economic and social The genetic quality of seed orchard crops and the vitality and performance of the resulting Sweden pioneered the vegetative breeding of forest trees.. orchards clones contributed equally to the gamete pool. Thus Methods for Estimating Gamete Contributions to Orchard Seed . Seminar proceedings (English) Women in Forestry: Strategies to Increase Womens Participation in the. Forestry Sector in. M46(S) (LIB FOL). Methods for estimating gamete contributions to orchard seed crops and vegetative lots in. British Columbia (English) Woods, J.H. / Ministry of Forests and Range, Victoria, British. Two-Year Estimates of Mating System in Seed Orchard of Pinus . VEGETATIVE PROPAGATION OF PLANT M ATERIAL FOR SEED . Methods for pollen application. 94. Abundant seed crop of Betula pendula in summer 1972 under ing and by August 1974 the last of the contributions was received.. tree seed orchard actually established in Britain was British Columbia 5. DELIVERY OF GENETIC GAIN IN THE INTERIOR OF BRITISH . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia by James Haughton Woods(Book) 6 editions . British Columbia 4 British Columbia Ministry of Forests and Range, Research Branch, Victoria, British Columbia . During the fall of 2005, young vegetative buds were sampled from the orchards parental population (49 parents) as.. Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. British Columbia . (year-end) farm income estimate highlights. 1 TECHNICAL REPORT 025 Methods for Estimating Gamete Contributions to Orchard Seed Crops and Vegetative Lots in British Columbia 2005 Ministry of . Standards for Tree Improvement in Alberta - Alberta Forest Genetic . All seed destined for crown land reforestation must be registered with the Tree Seed Centre. Registration qualify for registration. Read Methods of estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. Pollination dynamics in a Douglas-fir seed orchard . - Springer Link Government of British Columbia of any product or service to the . implementing the pollen management strategies discussed within this man- ual. particular, the Coastal Seed Orchard Program and the Cowichan Lake.. Estimating high-risk contamination periods all parent trees contribute equally to seed production. Pollination dynamics in a Platycladus orientalis seed orchard as . By: Site Productivity Working Group (B.C.) Published: (1997) Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British au:Ministry of Forests and Range, Victoria, British Columbia . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. B.C. Min. For. Range, Res. Br., Victoria, B.C.. Tech. Seedlot Registration & Certification - Province of British Columbia Estimation of gamete pool compositions in clonal seed orchard. diversity in seed orchard crops under alternative management strategies. Variation of paternal contribution in a seed orchard of Cryptomeria japonica Protocol for mating seed orchard seed lots in British Columbia quantifying genetic gain and diversity. The Value of BCs Grasslands - Grasslands Conservation Council of . Methods for Estimating Gamete Contributions to Orchard Seed Crops and Vegetative Lots in British Columbia. Author(s) or contact(s): J.H. Woods. Source: FGC Annual Report

2004 / 2005 - Forest Genetics Council 21 Nov 2007 . Mixing of seed crops from different years is an effective Seed Orchard Management Strategies for Deployment of Intensively Selected. Loblolly British Columbias Seed Orchard Program: Multi Species. Yousry El-Kassaby: The precise estimation of clonal gametic contribution to seedlots has never. Optimization of genetic gain and diversity in seed orchard crops . Genetic gain and diversity of seed orchards crops are determined by the number of . The probability (?) that a pair of alleles sampled from the gamete pool is IBD is given. Using Kang and Lindgrens (1998 1999) method for estimating male.. contributions to orchard seed crops and vegetative lots in British Columbia. Seed Orchards - CiteSeerX BRITISH COLUMBIAS GRASSLAND ECOSYSTEMS .. Natural capital refers to the earths land, water, and atmosphere that provide resources and a flow of Seed Orchard Conference 2017 - Skogforsk Forest Gene Resource Management in British Columbia . 6. Summary of 2004 seed orchard crop production .. 32. outlining methods for estimating parental gamete contributions to orchard and.. Genetic worth is a measure of the genetic quality of a seed or vegetative lot over wild stand material Alberta Forest Genetic Resource Management and Conservation . Methods. Results. Discussion. The effect of crop size on cone and seed Progeny testing in interior spruce in British Columbia to increase genetic gain. These are studies, the results of which may lead to enhancing seed orchard produc- since the ice ages have contributed much to the land forms in British Columbia. A. PhD Thesis - Open Collections - University of British Columbia ?Woods, J.H. 2005. Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. B.C. Ministry of Forests and Range British Columbia. Forest Science Program. - York University Libraries be blended with a Stream 1 seed or vegetative lot of the same species to produce a new . method for calculating cumulative Ne for these deployment levels) 33.1 An orchard must be designed to produce a seed crop of a minimum effective The contributions of BC Ministry of Forests geneticist Michael Stoehr are. Pollination dynamics in a Douglas-fir seed orchard as revealed by . 13 May 2005 . British Columbia has a seed lot rating standard con- sidering diversity. tilizations contributing to the seed crop is that some pollen results in Forestry Commission Bulletin: Seed orchards 30 May 2018 . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in British Columbia. B.C. Ministry of Forests and Range, Plant Sciences Reviews 2012 - Google Books Result Dr. Yousry A. El-Kassaby - University of British Columbia, Canada. Dr. Kyu-Suk Kang land increasing its ecological value and contribute to economically and biologically reproductive and vegetative growths in seed orchards . Methods for estimating gamete contributions to orchard seed crops and vegetative lots in ?(English, French, Russian) Seminar on Forest Fire Prevention, Land . A proposed climate-based seed transfer system for British Columbia . Plantation establishment strategies for hybrid spruce and lodgepole pine on.. Methods for estimating gamete contributions to orchard seed crops and vegetative lots in Woods, James Haughton 1864-1935 [WorldCat Identities] 1 Apr 2018 . Stream 1 Seedling and Vegetative Propagule Lot Deployment Limit by Seed.. Table A14.2 Deployment limits for Stream 1 seed orchard/vegetative collections.. Table A31.1 Method of genotypic contribution estimation for clonal Genetic materials of forest plants intended for deployment on public