

List of recent publications by Dag Lindgren

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This list comprises scientific publications with *publication Year* 2006-2011. Earlier publications are listed in previous lists. The current numbering code is based on year followed by current number within year. **Articles accepted or printed by refereed journals are indicated with bold characters**, other types of documents have unbold fonts.

2006

06-01 Bilir N, Prescher F, Ayan S & Lindgren D 2006. Growth characters and number of strobili in clonal seed orchards of *Pinus sylvestris*. Euphytica 152:293-301.

06-02 Danusevičius D & Lindgren D. 2006. Optimization of long term breeding strategies for cyclic within family selection IUFRO 2.04.02 Breeding theory and progeny testing Newsletters 1:26.

06-03 Li H & Lindgren D. 2006. Comparison of phenotype and combined index selection at optimal breeding population size considering gain and gene diversity. Silvae Genetica:13-19.

06-04 Lindgren D. 2006. Forest Seed orchards and gene diversity. Nordic GENEResources. Nordic Council of Ministers 5: 18-19.

06-05 Lindgren D. 2006. Färre kloner i framtida fröplantager. PlantAktuellt 2006 (4) sid 8.

06-06 Prescher F, Lindgren D & El-Kassaby Y 2006. "Is linear deployment of clones optimal under different clonal outcrossing contributions in seed orchards?" Tree Genetics and Genomes 2:25-29.

06-07 Varghese M, Lindgren D & Ravi N 2006. Linear thinning in a clonal test of *Eucalyptus camaldulensis* for conversion to a clonal seed orchard. Journal of Tropical Forest Science 18(2): 102-108.

06-08 Varghese M, Lindgren D & Kamalakannan R 2006. Gene diversity consideration while creating south Indian forests. Poster presented at workshop on "Policies in Tropical Rural Development – Swedish contributions, influences and research needs" at Umeå 061120-21 ,
<http://uctree.slu.se/Workshop%20abstracts/Gene%20diversity%20considerations%20while%20creating%20south%20Indian%20forest%20D%20Lindgren.pdf>

06-09 Varghese M, Nicodemus A, Nagarajan B & Lindgren D. 2006. Impact of fertility variation on gene diversity and drift in two clonal seed orchards of teak (*Tectona grandis* Linn f). New Forests 31: 497-512

06-10 Wei R-P & Lindgren D 2006. Stepwise Penalty Index Selection from populations with a hierarchical study. Silvae Genetica 55:62-70.

06-10 魏潤鵬 & Lindgren D (2006) 低投入林木育种策略 ,

《第三届南方林木育种研讨会论文(摘要)集》, 2006年10月22-25日, 广西壮族自治区, 南宁, 10页

Wei R-P and Lindgren D (2006) Low input tree breeding strategies and methods. In "Proceedings (abstracts) of the Third Symposium on Forest Tree Improvement of Southern China", Oct 22-25, 2006, Nanning, Guangxi, p10.

2007

- 07-01 Bilir N, Kang KS & Lindgren D 2007. Fertility variation and gene diversity in a clonal seed orchard of *Pinus sylvestris* In Proceedings of the IUFRO Division 2 Joint Conference: Low Input Breeding and Conservation of Forest Genetic Resources: Antalya, Turkey, 9-13 October 2006. Edited by Fikret Isik. p 21-27
- 07-02 El-Kassaby YA, Prescher F & Lindgren D 2007. Advanced generation seed orchards' turnover as affected by breeding advance, time to sexual maturity, and costs, with special reference to *Pinus sylvestris* in Sweden. Scandinavian Journal of Forest Research 22:88-98.**
- 07-03 Kamalakannan R, Varghese M, Bilir N & Lindgren D 2007. Conversion of a Progeny Trial of *Eucalyptus tereticornis* to a Seedling Seed Orchard Considering Gain and Fertility. In Proceedings of the IUFRO Division 2 Joint Conference: Low Input Breeding and Conservation of Forest Genetic Resources: Antalya, Turkey, 9-13 October 2006. Edited by Fikret Isik. p 93-99.
- 07-04 Kamalakannan R, Varghese M & Lindgren D 2007. Fertility variation and its implications on relatedness in seed crops in seedling seed orchards of *Eucalyptus camaldulensis* and *E. tereticornis*. Silvae Genetica: 56:253-259.**
- 07-05 Lindgren D 2007 Norway spruce breeding in Sweden is based on clone testing. Long abstract to IUFRO WP Norway spruce breeding in Poland, September 2007.
- 07-06 Lindgren D, Tellalov Y & Prescher F 2007. Seed set for Scots pine grafts is difficult to predict In Proceedings of the IUFRO Division 2 Joint Conference: Low Input Breeding and Conservation of Forest Genetic Resources: Antalya, Turkey, 9-13 October 2006. Edited by Fikret Isik. p 139-141.
- 07-07 Lindgren, D & Wei RP 2007. Low-input tree breeding strategies. In Proceedings of the IUFRO Division 2 Joint Conference: Low Input Breeding and Conservation of Forest Genetic Resources: Antalya, Turkey, 9-13 October 2006. Edited by Fikret Isik. p 124-138.
- 07-08 Prescher F, Lindgren D, Almqvist C, Kroon J, Lestander TA & Mullin TJ 2007. Female fertility variation in mature *Pinus sylvestris* clonal seed orchards. Scandinavian Journal of Forest Research, 22:280-289.**
- 07-09 Varghese M, Kamalakannan R, Lindgren, D & Harwood CE 2007. Gene diversity and genetic gain in seedling seed orchards of *Eucalyptus camaldulensis* and *E. tereticornis*. In proceedings Durban 2007

2008

- 08-01 Bilir N, Prescher F, Lindgren D & Kroon J 2008. Variation in cone and seed characters in clonal seed orchards of *Pinus sylvestris* . *New Forests* 36:187-199.**
- 08-02 Danusevičius D & Lindgren D 2008 "Strategies for optimal deployment of related clones into seed orchards" *Silvae Genetica* 57:119-127**
- 08-03 El-Kassaby YA & Lindgren D 2008. Increasing the Efficiency of Breeding Without Breeding through Phenotypic Pre-selection in Open Pollinated Progenies. In: Byram ED (editor) Proceeding 29th STFIC/WFGA meeting in Galveston Texas June 19-22, 2007. p15-19. http://www.fsl.orst.edu/wfga/index_files/WFGA%20proceedings%202007.pdf
- 08-04 Fries A, Lindgren D & Andersson B 2008. The Swedish Scots Pine Seed Orchard Västerhus. In Lindgren D (editor) Proceedings of a Seed Orchard Conference, Umeå, Sweden, 26-28 September 2007. p 70-77.
- 08-05 Lindgren D (editor) Proceedings of a Seed Orchard Conference, Umeå, Sweden, 26-28 September 2007. ISBN:978-91-85911-28-8. 256 pages.
- 08-06 Lindgren D. 2008. Frötäkt och frötäktsområden av gran och tall i Sverige. Skogsstyrelsen. Rapport 8-2008. pp 38.
- 08-07 Lindgren D. 2008. Seed orchard conference. Mangfold Issued by Nordgen. June 2008
- 08-08 Lindgren D. 2008. Immediate Genetic Changes In Tree Deployment And Breeding Because Of Global Warming. Conference book on adaptation, Umeå August 2008 p 146.
- 08-09 Lindgren D & Danusevičius D 2008 Deployment of clones to seed orchards when candidates are related In Lindgren D (editor) Proceedings of a Seed Orchard Conference, Umeå, Sweden, 26-28 September 2007: 135-141.
- 08-10 Lindgren D, Danusevičius D & Rosvall O 2008. Balanced forest tree improvement can be enhanced by selecting among many parents but keeping balance among grandparents. *Canadian Journal of Forest Research* 38(11): 2797-2803.**
- 08-11 Lindgren D, Karlsson B, Andersson B & Prescher F, 2008. The Swedish seed orchard program for Scots pine and Norway spruce. In Lindgren D (editor) Proceedings of a Seed Orchard Conference, Umeå, Sweden, 26-28 September 2007. pp 142-154.
- 08-12 Lindgren D & Prescher F 2008. Bättre fröplantager för Sveriges framtid. Skogfakta 2-2008.
- 08-13 Moriguchi Y, Prescher F & Lindgren D 2008. Optimum lifetime for Swedish *Picea abies* seed orchards. *New Forests* 35 : 147-157 .**
- 08-14 Nicodemus A, Varghese M, Nagarajan B and Lindgren D 2008. Fertility Variation across Years in Two Clonal Seed Orchards of Teak and its Impact on Seed Crop. Proceedings of a Seed Orchard Conference, Umeå, Sweden, 26-28 September 2007:189-194
- 08-15 Prescher F, Lindgren D & Karlsson B 2008. Genetic Thinning of Clonal Seed Orchards using Linear deployment may improve both gain and diversity. *Forest Ecology and Management* 254: 188-192.**
- 08-16 Varghese, M., R. Kamalakannan., A. Nicodemus., and D. Lindgren. 2008. Fertility variation and its impact on seed crops in seed production areas in a natural stand of teak in southern India. *Euphytica* 160: 131-141.**

2008 Abstracts and slideshows to conferences

Lindgren D 2008. Targets in Swedish Tree Improvement of Scots pine and Norway spruce. Adaptive Traits Needed for Breeding Zones Delineation Madrid 25th - 26th February 2008 Abstract and slideshow.

Lindgren D 2008. Modelling the performance over a range of sites using genetic flexibility (plasticity). Plasticity Adaptation in Forest Trees Madrid (Spain), 27th - 29th February 2008. Abstract and slideshow.

<http://www-genfys.slu.se/staff/dagl/TREEBREEDEX/MadridMeeting.htm>

2009

- 09-01 Fries A, Torimaru T, Wang X, Andersson B & Lindgren D. 2009. Pollination patterns in Scots pine seed orchards. Korea Forest Research Institute (editor) 2009. Seed orchards and the link to long-term breeding in response to climate change. Abstracts from a meeting of IUFRO WP 2.09.01 at Jeju, Korea, 8-11 September 2009 pp 8-9.
- 09-02 Kamalakannan, R, Varghese, M, Chezhan, P, Ghosh, M. & Lindgren, D. Fertility variation and gene diversity in seed crops of *Eucalyptus* and *Casuarina* seedling seed orchards in southern India Korea Forest Research Institute (editor) 2009. Seed orchards and the link to long-term breeding in response to climate change. Abstracts from a meeting of IUFRO WP 2.09.01 at Jeju, Korea, 8-11 September 2009 p 35
- 09-03 Kroon J, Wennström U, Prescher F, Lindgren D and Mullin TJ 2009. Estimation of clonal variation in seed cone production over time in a Scots pine (*Pinus sylvestris* L.) seed orchard *Silvae Genetica*: 58(1-2):53-62**
- 09-04 Lindgren D 2009. Tankar på far och morföräldrar påverkar skogsproduktionen. Södra kontakt 1:28.
- 09-05 Lindgren D 2009. A way to utilise the advantages of clonal forestry for Norway spruce? Working Papers of the Finnish Forest Research Institute 114: 08–15. <http://www.metla.fi/julkaisut/workingpapers/2009/mwp114-02.pdf> In Aronen, T, Nikkanen, T & Tynkkynen, T (eds.). 2009. Vegetative propagation of conifers for enhancing landscaping and tree breeding.. Metlan työraportteja / Working Papers of the Finnish Forest Research Institute 114. 80 s. ISBN 978-951-40-2154-1 (PDF). Saatavissa: <http://www.metla.fi/julkaisut/workingpapers/2009/mwp114.htm>.
- 09-06 Lindgren D 2009. *Picea abies* breeding in Sweden is based on clone testing. *Dendrobiology* 61 supplement: 79-82.**
- 09-07 Lindgren D & Almqvist C 2009. Number of pollen in polycross mixtures and mating partners for full sibs for breeding value estimation. Skogforsk., Arbetsrapport 672:1-15. Available at <http://www.skogforsk.se/PageFiles/57629/appendices%201-6.pdf>
- 09-08 Lindgren D 2009. Polymix breeding with selection forwards. Skogforsk. Arbetsrapport nr 687: 1 14. Available at <http://www.skogforsk.se/PageFiles/57629/appendices%201-6.pdf>
- 09-09 Lindgren D. Global warming and seed orchards with special reference to Sweden Korea Forest Research Institute (editor) 2009. Seed orchards and the link to long-term breeding in response to climate change. Abstracts from a meeting of IUFRO WP 2.09.01 at Jeju, Korea, 8-11 September 2009 pp 30-31
- 09-10 Dag Lindgren made a welcome address Korea Forest Research Institute (editor) 2009. Seed orchards and the link to long-term breeding in response to climate change. Abstracts from a meeting of IUFRO WP 2.09.01 at Jeju, Korea, 8-11 September 2009 pp vi-vii
- 09-11 Lindgren D, Danusevičius D & Rosvall O 2009. Unequal deployment of clones to seed orchards by considering genetic gain, relatedness and gene diversity. *Forestry* 82:17-28.**
- 09-12 Lindgren D & Wang X. Advanced generations “breeding without breeding” with only forests and combined seed orchards/breeding populations. Korea Forest Research Institute (editor) 2009. Seed orchards and the link to long-term breeding in response to climate change. Abstracts from a meeting of IUFRO WP 2.09.01 at Jeju, Korea, 8-11 September 2009 pp 4-5
- 09-13 Nicodemus A, Varghese M, Nagarajan B and Lindgren D 2009. Annual Fertility Variation in Clonal Seed Orchards of Teak (*Tectona grandis* L.f.) and its Impact on Seed Crop. *Silvae Genetica* 58(1-2):85-93**
- 09-14 Torimaru T, Wang X-R, Fries A, Andersson B, Lindgren D. 2009. Evaluation of pollen contamination in an advanced Scots pine seed orchard in Sweden. *Silvae Genetica* 58:262-269.**
- 09-15 Varghese M, Kamalakannan R, Harwood CE, Lindgren D & McDonald MW 2009. Changes in growth performance and fecundity of *Eucalyptus camaldulensis* and *E. tereticornis* during domestication in southern India. *Tree Genetics & Genomes* 5:629–640**
- 09-16 Det finns en artikel som bygger på min frötäktstudien på Skogen 2009 2:39-40

2010 published

10-01 Danusevičius D & Lindgren D 2010. Efficiency of breeding strategy where grandparents - but not parents - contribute equally to the breeding population. Ann. For. Sci. 67: 404 DOI: 10.1051/forest/2009124

10-02 Danusevičius D, Pliura A, Jansson G & Lindgren D. 2010. Efficiency of tree breeding strategies in Europe. Report from the Questionnaire "Testing strategies in tree breeding", FP6 project "Treebreedex", 89 p
http://treebreedex.eu/IMG/pdf/Report_Questionnaire_testing_strategies_darius_final_2011.pdf

10-03 Lindgren D, Danusevičius D, Högberg K-A, Weng Y & Hallingbäck HR. 2010. Relatives in seed orchards and clone mixtures. International Forestry Review 12(5) page 322

10-04 Lindgren D, Westin J & Prescher F 2010. Seed orchards in a warm future. International Forestry Review 12(5) page 5
http://www.iufro2010.com/presentation/25_August/2_Sub-Plenary_3/3_8.25_SP3_Auditorium_Dag_Lindgren.pdf

10-05 Wang X-R, Torimaru T, Lindgren D. & Fries A. 2010. Marker-based parentage analysis facilitates low input "breeding without breeding" strategies for forest trees. Tree Genetics and Genomes 6:227-235

2011 published

11-01 Andersson B, Karlsson B, Ståhl P & Lindgren D 2011. Breeding objectives under changing environmental and market conditions. In Rosvall O (editor). Review of the Swedish Tree Breeding programme. p 17-19.
<http://www.skogforsk.se/PageFiles/57629/Tree%20breeding.pdf>

11-02 Andersson B & Lindgren D 2011. Molecular and other biotech methods – options for Swedish tree breeding In Rosvall O (editor). Review of the Swedish Tree Breeding programme p 20-27.
<http://www.skogforsk.se/PageFiles/57629/Tree%20breeding.pdf>

11-03 Lindgren D 2011. Hur många döda av Tjernoby!?. Artikel i Västerbottenskuriren 2011-01-09
<http://www.vk.se/Article.jsp?article=434477>

11-04 Lindgren D 2011 Hur många döda efter Tjernoby!?. SLUs forskarblogg 2011-05-06
<http://forskarbloggen.typepad.com/forskarbloggen/2011/05/hur-manga-doda-efter-tjernoby!.html>

11-05 Lindgren D 2011 Motigt för vargen i syd. Borås tidning 2011-12-14 [http://www.bt.se/debatt/motigt-for-vargen-i-syd\(3072640\).gm](http://www.bt.se/debatt/motigt-for-vargen-i-syd(3072640).gm)

11-06 Lindgren D 2011 Jakt på genetiskt värdefulla vargar! Västerbottenskuriren 2011-11-18
<http://www.vk.se/Article.jsp?article=485588>

11-07 Lindgren D 2011 Vargens inavel måste sänkas – men EUs åtgärder förstör. Land Lantbruk 38:45 2011-09-16

11-08 Lindgren D 2011. Licensjakt minskar inaveln. Svensk jakt 2011(8): 34-35.
<http://www.jagareforbundet.se/svenskjakt/Nyheter/Debatt/Debatt-Svensk-Jakt/Licensjakt-minskar-inavel/>

11-09 Rosvall O, Almqvist C, Lindgren D, Hallander J & Berlin M 2011. Updates from research on selection and mating strategies Rosvall O (editor). Review of the Swedish Tree Breeding programme p 28-37.
<http://www.skogforsk.se/PageFiles/57629/Tree%20breeding.pdf>

11-10 Shimono A, Wang X-R, Torimaru T, Lindgren D & Karlsson B 2011.. Spatial variation in local pollen flow and mating success in a *Picea abies* clonal archive and implication for a novel "breeding without breeding" strategy. Tree Genetics & Genomes:7(3) 499-509

Below this line it is very uncertain something will really appear

Kamalakaran, R., Varghese, M., Chezian, P., Ghosh, M. & Lindgren, D.. Fertility variation and gene diversity in seed crops of *Eucalyptus* and *Casuarina* seedling seed orchards in southern India

Jan Kowalczyk and Dag Lindgren 2012 Seedling Seed Orchards in Poland prolonged abstract in preliminary proceedings presented at conference in Kemer Turkey May 2012

Submitted but uncertain (or sometimes once rejected will probably never appear)

Varghese, M., Lindgren, D. & Son, S.-G. 2006 Seedling seed orchard thinning considering breeding value, fertility variation and gene diversity *Annals of Forestry* rejected

Varghese M., Ravi N., Son S-G & Lindgren D. 2005 Strategies for optimising gain and diversity in a seedling seed orchard of *Eucalyptus tereticornis* *Silvae Genetica* rejected. Seems similar to Wei book!

(drafts which are not submitted but worth mentioning)

2009 Readable articles I my feel too tired to proceed with o

D. Lindgren Forest tree improvement while conserving diversity: goals and methods. (in preparation)

Anni Harju, Dag Lindgren **Predicted Impact on the genetic diversity of plantations from a seed orchard (in preparation)**

Andersson, E.W, El-Kassaby, Y.A. Lindgren, D. Estimating effective size of a seed crop from a seed orchard with common ancestry. Submitted to Canadian Journal of Forest Research 9810. REJECTED 9904

Lindgren D, Lindgren K. & Eriksson U 1998. Flowering phenology related to origin of Scots pine and Norway spruce. Scand J For Res. submitted Dec 96. Manus 849.

Skröppa T, Ekberg, I, Johnsen _, Apeland I, Lindgren D. Frost hardiness and height growth of Norway spruce families after crosses at a northern and a southern location.