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'**Genomic BLUP Decoded A Look into the Black Box of Genomic**
June 29th, 2018 - Genomic BLUP Decoded A Look into the Black Box of Genomic Prediction in animal and plant breeding VanRaden 2008 It uses a so called genomic relationship matrix that describes genetic relationships between individuals calculated from genotypes at single nucleotide polymorphisms SNPs In genomic se lection applications Meuwissen et al 2001 those individ uals comprise both training'

'**Plant Breeding and Molecular Marker HOS 6236 Molecular**
June 10th, 2018 - Concepts in Plant Breeding Important breeding concepts Survey plant breeding methods Best Linear Mixed Effect Pedigree and relationship matrices Breeding value prediction and BLUP'

'***Estimation and prediction of parameters and breeding***
June 26th, 2018 - Estimation and prediction of parameters and breeding values in soybean using REML BLUP and Least Squares Crop Breeding and Applied Biotechnology 8 219 224 2008 Brazilian Society of Plant Breeding Printed in Brazil''**Multi trait BLUP in half sib selection of annual crops**
February 9th, 2010 - Author Information 1 Departamento de Biologia Geral Universidade Federal de Viçosa 36570 000 Viçosa E mail jmsviana ufv br 2 Departamento de Engenharia'

'**Plant Breeding and Molecular Marker HOS 6236 Molecular**
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May 18th, 2018 - Presented by Dr Heather Merk This clip features experimental design data collection obtaining sample data from SolCAP getting started with R software fo'
'**Evaluation of methods of estimating breeding value of**
June 23rd, 2018 - of population improvement which would have major benefits for the plant breeding program and the sugar industry 2 As BLUP can accommodate complicating factors such as inbreeding it was important to quantify the level present in BSES family selection data Inbreeding coefficients for all families except three were less than 0 3 The level of inbreeding was correlated with agronomic'

'**Prediction of Genetic Values of Quantitative Traits in**
September 30th, 2010 - The availability of dense molecular markers has made possible the use of genomic selection GS for plant breeding However the evaluation of models for GS in real plant populations is very limited This article evaluates the performance of parametric and semiparametric models for GS using wheat Triticum aestivum L and maize Zea mays data in which different traits were measured in'

'**rESEArCH Genomic Marker Assisted and Pedigree BLUP**
June 13th, 2018 - tions of BLUP in plant breeding have shown that it can result in higher percentages of superior crosses in soybean relative to tradi tional midparent value Panter and Allen 1995 and it can predict'
'**Estimation and prediction of parameters and breeding**
June 28th, 2018 - Estimation and prediction of parameters and breeding values in soybean using REML BLUP and Least Squares Crop Breeding and Applied Biotechnology 8 219 224 2008 Brazilian Society of Plant Breeding Printed in Brazil'
'**Avat xx BLUP Breeding and competition results**
July 15th, 2018 - SWB SWB is a nationwide breeding organization dedicated to supporting and developing the breeding rearing training and marketing of Swedish Warmblood horses'

'**CSIRO PUBLISHING Crop and Pasture Science**
May 24th, 2011 - Genetic evaluation of inbred plants based on BLUP of breeding value and general combining ability José Marcelo Soriano Viana A D Ramon Vinícius de Almeida A Vinícius Ribeiro Faria A Marcos Deon Vilela de Resende B and Fabyano Fonseca e Silva C''**BLUP for phenotypic selection in plant breeding and**
June 30th, 2018 - Best linear unbiased prediction BLUP is a standard method for estimating random effects of a mixed model This method was originally developed in animal breeding for estimation of breeding values and is now widely used in many areas of research'

'**Best Linear Unbiased Prediction of Genomic Breeding Values**
September 8th, 2010 - Here we introduce a two step BLUP method named ?best linear unbiased prediction with trait specific marker derived relationship matrix? TABLUP to estimate GEBVs utilizing trait specific marker information A simulation study was performed to investigate the benefit of the presented method for the accuracy of estimated breeding values''**Second Edition Breeding for Quantitative Traits in Plants**
July 8th, 2018 - Breeding for Quantitative Traits in Plants was written as a textbook for a graduate course in the application of quantitative genetics to plant breeding I hope it will also be useful as a reference for practicing plant'

'***rESEArCH Genomic Marker Assisted and Pedigree BLUP***
June 13th, 2018 - tions of BLUP in plant breeding have shown that it can result in higher percentages of superior crosses in soybean relative to tradi tional midparent value Panter and Allen 1995 and it can predict'
'**Blup Plant Breeding fdhnet de**
June 25th, 2018 - Read and Download Blup Plant Breeding Free Ebooks in PDF format STUDY GUIDE FOR IN A PIT WITH A LION ON A SNOWY DAY THE SCIENCE OF SUCCESS PDF''***Perspectives for the Use of Quantitative Genetics in***
May 29th, 2012 - This study proposes the inclusion of relationship information among progenies using the best linear unbiased predictor BLUP to obtain the breeding values of greater accuracy and consequently increase genetic gains from the selection A strategy is proposed that aims to accelerate the program of obtaining perennial plant inbreds and use the'
'***MIXED MODELS IN ANIMAL BREEDING WHERE TO NOW A R***
July 14th, 2018 - Statistical methods I MIXED MODELS IN ANIMAL BREEDING WHERE TO NOW A R Gilmour Cargo Vale CARGO NSW 2800 formerly Orange Agricultural Institute NSW Department of Primary Industries'
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'**Genomic Selection in Wheat Breeding using Genotyping by**
June 18th, 2018 - THE PLANT GENOME NOVEMBER 2012 VOL 5 NO 3 103 ORIGINAL RESEARCH Genomic Selection in Wheat Breeding using Genotyping by Sequencing Jesse Poland Jeffrey Endelman Julie Dawson Jessica Rutkoski Shuangye Wu''**Lecture 8 Mixed Model estimates of genetic parameters**
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'**PDF BLUP for phenotypic selection in plant breeding and**
October 11th, 2006 - Best linear unbiased prediction BLUP is a standard method for estimating random effects of a mixed model This method was originally developed in animal breeding for estimation of breeding values and is now widely used in many areas of research''**Software Selegen REML BLUP a useful tool for Crop**
June 29th, 2018 - Software Selegen REML BLUP a useful tool for plant breeding Crop reeding and Applied iotechnology 16 330 339 2016 331 BLUP maximizes selective accuracy and allows the simultaneous use of several information sources such as those from''***PDF BLUP for phenotypic selection in plant breeding and***
October 11th, 2006 - Best linear unbiased prediction BLUP is a standard method for estimating random effects of a mixed model This method was originally developed in animal breeding for estimation of breeding values and is now widely used in many areas of research'

'**Professor Wallace Cowling Plant Breeding Ecological**
July 9th, 2018 - BLUP breeding with information from relatives is known as the animal model in quantitative genetics and now we are applying it to self pollinating plant 10 05''**Crop Breeding an overview ScienceDirect**

Topics

July 13th, 2018 - Index and BLUP Selection Tree crop breeding like cattle breeding has to contend seriously with space and time constraints and hence the critical choice would be a few highly selected parents to go into the next cycle of breeding and also into hybrid seed production due to their close linkage This is also true in the selection of ortets for clonal propagation''**Khanka xx BLUP Breeding and competition results**

July 15th, 2018 - SWB SWB is a nationwide breeding organization dedicated to supporting and developing the breeding rearing training and marketing of Swedish Warmblood horses'

'***Deep learning in animal breeding from DANIEL GIANOLA on***

June 22nd, 2018 - Now our obsolete breeding animal and plant methods are best represented by BLUP and even when confronted with powerful Bayesian machines neural networks support vector ensembles random forests and kernel methods BLUP does well most often an is simple to implement Actually the evidence seems to suggest that kernel methods BLUP is a special case are possibly the most stable and'

'**Comparison of BLUE and BLUP REML in the selection of**

July 3rd, 2018 - Comparing BLUE and BLUP REML for potato breeding 18423 Genetics and Molecular Research 14 4 18421 18430 2015 FUNPEC RP www funpecrp com br motivate the annual plant breeders to consider utilizing this methodology''**Blup Plant Breeding PDF Download psychoanaliza org**

May 13th, 2018 - Blup for phenotypic selection in plant breeding and best linear unbiased prediction blup is a standard method for estimating random effects of a mixed model this method was originally developed in animal Lecture 5 blup best linear unbiased'

'***BLUP for phenotypic selection in plant breeding and***

July 9th, 2018 - BLUP for phenotypic selection in plant breeding and variety testing H P Piepho Æ J Mo¨hring Æ A E Melchinger Æ A Bu¨chse Received 12 October 2006 Accepted 25 April 2007 Published online 19 July 2007'

'**Use of REML BLUP for the selection of sugarcane families**

June 4th, 2018 - Brazilian Societyof Plant Breeding Printed inBrazil Use of REML BLUP for the selection of sugarcane families specialized in biomass production Received 16 December 2003 Accepted 25 July 2004 ABSTRACT One hundred and fourteen full sib families were evaluated at two sites in Minas Gerais in experiments in augmented bloeks and the data analyzed by the REMLlBLUP method Results showed a low''**Lecture 8 Mixed Model estimates of genetic parameters**

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June 10th, 2014 - Estimating Heritability and BLUPs for Traits Using Tomato Phenotypic Data Plant Breeding and Genomics June 11 2014 Author Heather L Merk The Ohio State University During this webinar delivered live at the 2011 Tomato Disease Workshop in Ithaca NY Dr Heather Merk from the Ohio State University describes how to obtain the SolCAP tomato phenotypic data how to estimate heritability on'

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'***Animal Breeding BLUP Agricultural Research Council***

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'**Genomic Selection GS HOS 6236 Molecular Marker**

July 9th, 2018 - Concepts Data dimensionality p gt n Rationale Statistical models BLUP Bayes and others Accuracy Examples in animal and plant breeding Cross Validation'

'**Canadian Journal of Plant Science NRC Research Press**

May 2nd, 2012 - BLUP for phenotypic selection in plant breeding and variety testing Euphytica 161 209 228 Crossref Google Scholar Piepho H P Williams E R 2006 A comparison of experimental designs for selection in breeding trials with nested treatment structure Theor Appl Genet'

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'***Multi?trait BLUP in half?sib selection of annual crops***

July 5th, 2018 - Article in Plant Breeding 129 6 599 To maximize accuracy of the prediction of breeding values the BLUP analyses included phenotypic values of the two cycles All BLUP analyses were performed using the ASReml software The multi trait BLUP method demonstrated greater accuracy and efficiency in family selection In the case of within family selection both accuracy and efficiency of multi''**Books and Software Bernardo Group in Maize Breeding and**

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July 13th, 2018 - 2 ABSTRACT Prediction accuracy of genomic selection has been evaluated through simulation and previously cross validation however validation based on progeny performance in a plant breeding program''**Software Selegen REML BLUP a useful tool for plant breeding**

August 31st, 2016 - The software Selegen REML BLUP uses mixed models and was developed to optimize the routine of plant breeding programs It addresses the following plants categories allogamous automagous of mixed mating system and of clonal propagation It considers several experimental designs mating designs''**BLUP for phenotypic selection in plant breeding and**

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June 29th, 2018 - Software Selegen REML BLUP a useful tool for plant breeding Crop reeding and Applied iotechnology 16 330 339 2016 331 BLUP maximizes selective accuracy and allows the simultaneous use of several information sources such as those from'
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July 5th, 2018 - Package ?rrBLUP? January 28 2018 Title Ridge Regression and Other Kernels for Genomic Selection Version 4 6 Author Jeffrey Endelman Maintainer Jeffrey Endelman lt endelman wisc edu gt'
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December 20th, 2012 - Methods for BLUP selection in plant breeding build on the animal model The general mixed model was combined with factor analytic modelling and pedigree information to independently estimate additive non additive and total genetic variance and patterns of GxE for each component in a canola breeding programme''**Canadian Journal of Plant Science NRC Research Press**
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July 9th, 2018 - BLUP for phenotypic selection in plant breeding and variety testing H P Piepho Æ J Mo¨hring Æ A E Melchinger Æ A Bu¨chse Received 12 October 2006 Accepted 25 April 2007 Published online 19 July 2007'

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June 14th, 2018 - 250 THE PLANT GENOME Q NOVEMBER 2011 VOL 4 NO 3 ORIGINAL RESEARCH Ridge Regression and Other Kernels for Genomic Selection with R Package rrBLUP Jeffrey B Endelman Abstract Many important traits in plant breeding are polygenic and'

'**Plant breeding with farmers ICARDA Corporate Systems**
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June 21st, 2018 - Estimation of Breeding Values of Inbred Lines using Best Linear Unbiased Prediction BLUP and Genetic Similarities Andrea M Bauer Tobias C Reetz and Jens Le´on'
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'**Genomic selection in hybrid breeding Zhao 2014 Plant**
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'***Mixed modelling for phenotypic data from plant breeding***
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