

Agricultural Research Forum

2009

12th & 13th March

Incorporating the Annual Research Meeting of the

**Irish Grassland and Animal Production
Association**

(35th Research Meeting)

Irish Tillage and Land Use Society

(17th Research Meeting)

Soil Science Society of Ireland

(32nd Annual Research Meeting)

Irish Agricultural Economics Society

(9th Annual Research Meeting)

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J.P. Hanrahan, Teagasc, Mellow's Campus, Athenry, Co. Galway.
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A. Carson, AFBI, Hillsborough, Co. Down, Northern Ireland.
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Summary of Papers

Presented at the

Agricultural Research Forum 2009

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Held at

The Tullamore Court Hotel, Tullamore, Co. Offaly

Thursday and Friday, 12th & 13th March 2009.

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Final Programme Agricultural Research Forum 2009

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14:00-16:00	Session 6A Grassland, Tillage Crops & Biofuels Chairperson: Dr. Tom McCabe	Session 6B Animal Reproduction Chairperson: Dr Dermot Morris
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Thursday 12th March 2009

Session 1A: Environment, Green House Gases and Economics
Venue: D.E. Williams I
Chairperson: Dr Thomas Cummins, School of Biology & Environmental Science, University College Dublin, Belfield, Dublin

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Veterinary Medicine, University College Dublin, Belfield
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Thursday 12th March 2009

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Chairperson: **Dr Edward O’Riordan, Teagasc, Grange Beef Research
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Thursday 12th March 2009

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Friday 13th March 2009

Session 4A: Economics and Farm Systems Modeling
Venue: D.E. Williams I
Chairperson: Dr Michael Wallace, School of Agriculture, Food Science & Veterinary Medicine, University College Dublin, Belfield, Dublin 4

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Chairperson: Dr Pat Dillon, Teagasc, Moorepark, Fermoy, Co. Cork.

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Friday 13th March 2009

Session 6A: Grassland, Tillage Crops and Biofuels
Venue: D.E. Williams I
Chairperson: Dr Tom McCabe, School of Agriculture, Food Science & Veterinary Medicine, University College Dublin, Belfield, Dublin.

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	Detection of <i>Verticillium fungicola</i> in samples from mushroom farms using molecular and microbiological methods J. Piasecka, H. Grogan, C. Zijlstra, J.J.P Baars and K. Kavanagh	131
	Micropropagation of Hebe 'Pink Fantasy' A. Gallone, A. Hunter, G. C. Douglas	132
	Current status of in-situ resources of <i>Beta maritima</i> , a Crop Wild Relative D. Grogan	133
	Effect of wheat varieties on distribution of <i>Mycosphaerella graminicola</i> mating types S. Kildea, P. Nowotny, E. Mullins, L. R. Cooke, P. C. Mercer and E. O'Sullivan	134
	Assessing the potential for introgression of imported ash with native ash (<i>Fraxinus excelsior</i> L.) M. Thomasset, T. R. Hodkinson, and G. C. Douglas	135
	Effect of evaluation protocol and cultivar on the classification of seasonal and total dry matter yield C Wims, E Kennedy, T Boland and M O'Donovan	136
	Habitat selection of crossbred ewes on hill farms in Northern Ireland E. McCloskey, J. McAdam, and A.F. Carson.	137
	Intermittent pollination failures in forage maize (<i>Zea mays</i> L.) – a genotype or climate dependent risk? T. J Gilliland, and A. D. Farrell	138
16:00	Tea	

Session 6B: Animal Reproduction
Venue: D.E. Williams II
Chairperson: Dr. Dermot Morris, Animal Bioscience Centre, Teagasc,
Mellows Campus, Athenry. Co. Galway.

10-Minute Theatre Presentations & 5-Minute Discussion

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14:00	Reproductive performance of Holstein-Friesian and Jersey x Holstein-Friesian crossbred dairy cows on three contrasting spring calving milk production systems E.R. Vance, C.P. Ferris, C.T. Elliott and D.J. Kilpatrick	139
14:15	The effects of genetics for fertility and milk production traits on phenotypic performance S.B. Cummins, P. Lonergan, A.C.O. Evans and S.T. Butler.	140
14:30	Analysis of the effect of dietary n-3 polyunsaturated fatty acids on gene expression of the insulin-like growth factor (IGF) system in the bovine uterus G.S. Coyne, D.A. Kenny, and S.M. Waters.	141
14:45	Effect of crossbreeding on fertility and performance of dairy cattle in commercial dairy herds R.S. Park, D.R. Mackey, C.S. Mayne and R.J.B. Hunter	142
15:00	An evaluation of the use of synchronisation protocols to improve reproductive performance in Irish spring calving dairy cows M.M. Herlihy, M.A. Crowe, M.G. Diskin and S.T. Butler	143
15:15	Artificial insemination in sheep using fresh ram semen stored at 5°C for up to 72h L.O'Hara , J.P. Hanrahan, L. Richardson , A. Donovan, S. Fair , A.C.O Evans and P. Lonergan,	144

3-Minute Theatre Presentation

	Milk production, body condition score at breeding and reproductive performance of Holstein-Friesian, Jersey and Jersey×Holstein-Friesian cows under Irish grass-based conditions C. Thackaberry, K. Pierce, R. Prendiville, N. Byrne and F. Buckley	145
	Mitochondrial activity and oxygen consumption of ram sperm and its relationship to fertility S Fair, J.P Hanrahan, E Costello, L O'Hara, A.C.O Evans and P Lonergan	146
	Estimates of breed and heterosis effects for fertility and survival traits among Holstein and Norwegian Red dairy cattle N. Begley, F. Buckley, K. Pierce and R.D. Evans	147
	An evaluation of the use of uterine therapies to improve reproductive performance in Irish spring calving dairy cows M.M. Herlihy, M.A. Crowe, M.G. Diskin and S.T. Butler.	148
	The occurrence of neutral and acidic mucins in the cervical mucosa of Belclare and Suffolk ewes L. Richardson, J.P. Hanrahan, L. O'Hara, E. Fitzpatrick, P. Lonergan and A.C.O. Evans	149
	Examination of endometrial gene expression in heifers of high and low fertility using microarray technology A.P. Killeen, D.G. Morris, D.A. Kenny , M.G. Diskin and S.M. Waters	150
	Immunological response of heifers divergently ranked for residual feed intake following a bovine corticotrophin releasing hormone challenge A.G. Fahey, B. Earley, A.K. Kelly, M. McGee and D.A. Kenny	151

16:00 Tea