

Predicting grass dry matter intake, milk yield and milk fat and protein yield of spring calving grazing dairy cows during the grazing season

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Supplementary Material S1 List of references cited in Table 1.

O'Neill BF, Deighton MH, O'Loughlin BM, Mulligan FJ, Boland TM, O'Donovan M and Lewis E 2011. Effects of a perennial ryegrass diet or total mixed ration diet offered to spring-calving Holstein-Friesian dairy cows on methane emissions, dry matter intake and milk production. *Journal of Dairy Science* 94, 1941-1951.

Wims CM, Deighton MH, Lewis E, O'Loughlin B, Delaby L, Boland TM and O'Donovan M 2010. The effect of pre grazing herbage mass on methane production, dry matter intake, and milk production of grazing dairy cows during the mid-season period. *Journal of Dairy Science* 93, 4976-4985.

Coleman J, Pierce KM, Berry DP, Brennan A and Horan B 2010. Increasing milk solids production across lactation through genetic selection and intensive pasture-based feed system. *Journal of Dairy Science* 93, 4302-4317.

Prendiville R, Lewis E, Pierce KM and Buckley F 2010. Comparative grazing behaviour of lactating Holstein-Friesian, Jersey, and Jersey cross Holstein-Friesian dairy cows and its association with intake capacity and production efficiency. *Journal of Dairy Science* 93, 764-774.

McEvoy M, O'Donovan M, Kennedy E, Murphy JP, Delaby L and Boland TM 2009. Effect of pre grazing herbage mass and pasture allowance on the lactation performance of Holstein-Friesian dairy cows. *Journal of Dairy Science* 92, 414-422.

Kennedy E, O'Donovan M, Delaby L and O'Mara FP 2008. Effect of herbage allowance and concentrate supplementation on dry matter intake, milk production and energy balance of early lactating dairy cows. *Livestock Science* 117, 275-286.

McEvoy M, Kennedy E, Murphy JP, Boland TM, Delaby L and O'Donovan M 2008. The effect of herbage allowance and concentrate supplementation on milk production performance and dry matter intake of spring-calving dairy cows in early lactation. *Journal of Dairy Science* 91, 1258-1269.

McCarthy S, Horan B, Rath M, Linnane M, O'Connor P and Dillon P 2007. The influence of strain of Holstein-Friesian dairy cow and pasture-based feeding system on grazing behaviour, intake and milk production. *Grass and Forage Science* 62, 13-26.

Kennedy E, O'Donovan M, Murphy JP, O'Mara FP and Delaby L 2006. The effect of initial spring grazing date and subsequent stocking rate on the grazing management, grass dry matter intake and milk production of dairy cows in summer. *Grass and Forage Science* 61, 375-384.

Horan B, Dillon P, Faverdin P, Delaby L, Buckley F and Rath M 2005. The Interaction of Strain of Holstein-Friesian Cows and Pasture-Based Feed Systems on Milk Yield, Body weight, and Body Condition Score. *Journal of Dairy Science* 88, 1231-1243.