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Alex Georgallas, Jacynthe Dessureault-Rompré, Bernie J. Zebarth, David L. Burton, Craig F. Drury, Cynthia A. Grant

Canadian Journal of Soil Science, 2012, 92(5): 695-710, 10.4141/cjss2012-020

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Canadian Journal of Soil Science, 2012, 92(5): 711-721, 10.4141/cjss2012-032

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Canadian Journal of Soil Science, 2012, 92(5): 723-732, 10.4141/cjss2011-050

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Canadian Journal of Soil Science, 2012, 92(5): 733-750, 10.4141/cjss2011-087

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Canadian Journal of Soil Science, 2012, 92(5): 751-758, 10.4141/cjss2011-094

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Canadian Journal of Soil Science, 2012, 92(5): 759-769, 10.4141/cjss2012-008

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Canadian Journal of Soil Science, 2012, 92(5): 771-785, 10.4141/cjss2011-098

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Canadian Journal of Soil Science, 2012, 92(5): 787-797, 10.4141/cjss2011-116

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Canadian Journal of Soil Science, 2012, 92(5): 799-802, 10.4141/cjss2011-111

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Canadian Journal of Soil Science, 2012, 92(5): 803-806, 10.4141/cjss2012-015