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## Environment Management Branch

November 24, 2010

Manning Innovation Awards,  
P.O. Box 2850,  
Calgary, Alberta T2P 2S5

To Whom It May Concern:

I'd like to endorse Ivin Milin's *Milinator* for this year's Manning Innovation Award.

I am an Agricultural Engineer with the Ontario Ministry of Agriculture, Food and Rural Affairs in Vineland, Ontario and have worked with thousands of farmers across Ontario in the livestock, field crop and horticultural crop sectors. I've seen my share of manure and waste organic agricultural products, and challenges producers face with handling, storing and spreading large, heavy volumes of them. Mr. Milin's unique and original innovation harnesses nature's endless army of simple fly larvae to process fresh, wet, heavy, smelly manure into a stable, dry, lighter, less odorous compost-like material in only 4 or 5 days. This is done with practicality, cost-effectiveness and 'why-didn't-I-think-of-that' simplicity.

Larvae are not icky, just misunderstood, and when put to work they are magnificent to watch - those are my fingers (below) catching them after they've finished processing fresh chicken layer manure (left) into a stable material (right) in only 4 days. I assisted Mr. Milin in the early stages of his innovation. He is a tireless advocate and I believe he has only scratched the surface with the number and type of waste materials that could be processed using the *Milinator*.



Hugh W. Fraser, MSc., P.Eng.

