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To Whom It May Concern:

Inspired by a small hand-operated recycling system developed by the Russian Space Program, to recycle a spacecraft's organic waste during a two-year manned journey to Mars, Ivan Milin has developed and patented a new mechanized way to recycle organic waste into organic fertilizer for "Spaceship Earth's" long journey.

Mr. Milin and the research work by scientists at the University of Guelph has demonstrated, in bench testing, that agricultural organic waste can be quickly and economically transformed into a superior organic fertilizer using insect larvae. The mechanized application of the planet's original recyclers, insect larvae, are able to recycle most types of agricultural, municipal and industrial organic waste into useful agricultural material in days. His system has now been patented world wide. The first large scale mechanical demo plant is now in place on the Arkell Research Station, University of Guelph. Data from its operation will be used to further improve the process and equipment design.

In my opinion the organic fertilizer produced by this technology provides a permanent and sustainable fertilizer that is in high demand by organic fruit and vegetable producers. I think we will prove that the larvae/pupae produced by the process could become an alternative to fish-meal for organic aquaculture. In niche markets the Toronto Zoo needs the larvae as a high-protein food for their birds and other animals. The hydroponic fruit and vegetable producers are anxious to obtain the fertilizer as a superior product for their organic grow operations.

I am an Aboriginal Canadian (Metis) and one of the early "pre-Suzuki" team of producers that wrote and directed the CBC's The Nature of Things in the 1960's-70's and I founded the National Film Board's Environment Studio in 1974. Over the years I have made numerous films and TV episodes that introduced new concepts and a new lexicon to the public: "Pollution, The Environment, The Biosphere, Organic Agriculture, Recycling and Sustainability", for example. In the media we could point fingers and ring bells and get a few things changed, like getting DDT and Freon banned: but there was not a lot that we could do to change things in a positive way.

All that is now changing. We are now focusing, in a planetary level, on green alternatives to the old ways of doing things; from the generation of energy to creating sustainable systems of all kinds. And I have gone from spending most of my time ringing those alarm

bells in my work, to quietly using my time and abilities to seek out and support new green technologies.

Ivan Milin's new larvae based system to transform organic waste into organic fertilizer has caught my attention big time. In anticipation of building and operating the first commercial applications in Canada of this new technology I have licensed the Milin technology for Aboriginal Territories in Canada. I am also in discussion with his organization for rights for American Indian territories in the USA.

In Canada I see Aboriginal Canadians taking a lead in launching this technology: creating new jobs and profitable Aboriginal enterprises, for the long-term economic benefit of Aboriginal companies, individuals and communities.

Ivan's system will give rise to a vibrant new section of the organic fertilizer industry. With minimal cost for organic waste inputs and the prices for the outputs of fertilizer and protein valued at $500 to $1,000 per ton (and much higher for some niche markets) an excellent business case can be made, with the result that I have agricultural business, investor groups and major customers for organic fertilizer anxious to participate in the first commercial Milinator installations in Ontario and Quebec.

In respect to the work that Ivan Milin had done to create this new technology, I am honoured to add my voice in support of the nomination of Ivan Milin for the "Manning Innovation Award."

Yours truly,

Roman Bittman
President

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