

Nov 24, 2010

To the Manning Innovation Award Committee

Re: Ivan Milin- EcoSpace Engineering Ltd

Dear Madame/Sir,

I am writing to support Mr. Ivan Milin's application for the Manning Innovation Award. Mr Ivan Millin has been collaborating with my team at the University of Guelph in developing technologies using fly larvae to convert animal (specifically poultry) manure into value-added products including fly larvae and pupae, and fly larvae processed manure (FLPM). Fly larvae can reduce manure mass by about 75%, and reduce moisture content by 90% within a few days. The FLPM is odourless, loose and crumbly in texture, and contains high protein and other nutrients which can either be used as animal feed, fertilizer, soil amendment material or a soilless growing substrate component. The fly larvae and pupae produced from digesting animal manure contain high protein (equivalent in quality to soybean protein) and other nutrients which can be used as high quality animal feed as well.

Mr Millin has been working on this technology tirelessly for many years. I foresee this technology will tremendously benefit not only our agricultural sector, but also the environment all over the world.

The safe and economical management of manure in animal holding facilities in Canada and other part of the world is perennial issue for producers and the adjacent public. According to Statistics Canada (2008) Canadian livestock produced > 180 million tonnes of manure per year, and manure production has been increasing. Concurrently the imposition of environmental and nutrient management legislation in most jurisdictions stresses the need for solutions. In addition there are a number of industries in our agri-food sector, such as the nursery, turf and organic food producers, who are being challenged by a lack of access to reliable and effective alternatives to conventional high nitrate fertilizers and alternative pest and pathogen mitigation production strategies.

Sincerely



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