

## Product Evaluation

### RE: Review of Biobarrier

#### PRODUCT

Biobarrier is manufactured by Typar and distributed in Alberta by DBB Inc. located in Quebec.

#### VENDOR CLAIMS AND INFORMATION

##### CLAIMS:

Biobarrier is a unique method of root and weed control. Biobarrier manages roots through the slow controlled release of trifluralin - a root inhibition herbicide that has been in use on food crops in the US for more than 35 years. Website: [www.biobarrier.com](http://www.biobarrier.com).

##### DESCRIPTION:

Trifluralin diffuses from the protective nodules in vapour form, creating a root inhibition zone in the soil. Roots penetrate the zone until root tips reach the herbicidal concentration that prevents that species' root tip cell division.

##### POTENTIAL USAGE:

Weed control at the base of light posts along highways.

##### STANDARDS:

After a re-evaluation of the herbicide trifluralin, Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act* and Regulations, is granting continued registration of products containing trifluralin for sale and use in Canada (September 11, 2009).

#### ALBERTA TRANSPORTATION COMMENTS

##### EXPERIENCE:

Alberta Transportation has no experience with this product.

##### APPLICATION STANDARDS:

Alberta Transportation does not have a standard for this product.

##### RECOMMENDATIONS:

Biobarrier be listed as a Potential Product under Alberta Transportation Product List, Seeding – Herbicides, based on the information provided. Final acceptance as a proven product will be based on field performance.

As a condition of the continued registration of trifluralin uses, new risk-reduction measures must be included on the labels of all products. Biobarrier should not be used where it can be transported into a watercourse.

**"A 100 meter distance away from watercourse is required".**

Fred Cheng

cc New Product Evaluation Standing Committee - Roger Skirrow  
Don Snider/James Poole