

**ECOLOGICAL CONTROL OF
NOXIOUS AND INVASIVE SPECIES**

OVERVIEW OF MONITORED TRIALS

**PRESENTED BY
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1. Ecological control of Poison Ivy

Participants :

- Oka National Park (2006-2011)
- Vaudreuil-Dorion (2006-2011)
- St-Bruno de Montarville (2010)
- Bois-des-Filion (2007)
- Mont-St-Hilaire (2007)
- Canadien-National in Ville St-Laurent (2007)

Research Protocol:

Dr. Alain Meilleur a specialist in plant ecology established the research protocol in 2006 for the Provincial Park Establishments of Quebec.

- ☑ Expertise assessment of the habitat of poison ivy
- ☑ Expertise assessment of the growing conditions of poison ivy
- ☑ Experimental treatment to control and suppress poison ivy
- ☑ Assessment report and recommendations

Results :

The results show that the first treatment removed about 67% of the stems, regardless of their height and situation of the experimental site, while reducing the height of the stems, it remained alive after the treatment. To eliminate the rhizome of the plant, a series of three treatments are recommended (May, July and September).

2. Ecological control of Invasive species

Participants :

- Parc de l'Île de la Visitation (Buckthorn)
- Vaudreuil-Dorion (Buckthorn)
- Pierrefonds (Japanese knotweed)
- Residential yard, Pierrefonds (Buckthorn)
- Bois des Filion (Japanese knotweed)

Research protocol :

The unique properties of our product allowed us to test its potential for control and removal of certain invasive species. An experimental protocol was established in 2006 by the ecologist, Dr. Alain Meilleur.

- ☑ Expertise assessment of the habitat of the Buckthorn and the Japanese Knotweed.
- ☑ Expertise assessment of the ecological conditions of growth of the Buckthorn and the Japanese Knotweed
- ☑ Experimental Treatment (Ecological) to control and eradicate the Buckthorn and the Japanese Knotweed
- ☑ Assessment report and recommendations

Results :

The results so far IMPRESSIVE and we can already anticipate efficient intervention plans for the seasons to come.

3. Ecological and selective control of ragweed

Participant :

- Hydro Québec

Research protocol :

Our product and our technology has been the subject during the seasons 2006 to 2011 trials under the supervision of the firm Génivar Inc. The firm has been contracted by Hydro-Québec to evaluate the efficiency and selectivity of our product on a predetermined plot located next to a power transformation station in Laval.

Results :

The firm Génivar Inc. should soon produce a full report on our field testing. A copy of this report will be published on our website.

4. Classification from the Ministry of Transportation of Quebec:

After more than seven years of partnership, our technology has been formally tested and **recommended** by the Department of acquisitions of the Ministry of Transportation.

The final report of the Ministry of Transportation formally establishes a **significant reduction** of ragweed population in the areas treated over a period of three years.

No negative effect on the environment or the surrounding vegetation has been observed.



MTQ / HerbaNatur (2011)

