

## INDIVIDUAL MULTI-YEAR PLAN OF WORK

NAME: **Vijaikumar Pandian**

Years Covering Plan **2006- 2008**

Program Title:

**Brown County Invasive Plant Species Management**

Situation Statement:

Invasive weed species are a greater threat to our landscape, woodlands and stream banks. Garlic mustard, phragmites, and buckthorn are some of the predominant invasive weed species that threatens the local community in Brown County. Invasive species is listed as one of the top five educational needs in the community need assessment survey in 2006. In the past, 52 sites were managed to eradicate garlic mustard through chemical spraying in spring followed by hand weeding and chemical spraying in fall. These sites need to be further monitored and documented for future study purposes. Other invasive species like perennial pepperweed, phragmites, and buckthorn needs to be mapped for further management study. There is a stronger need in the community for research based educational information about invasive species.

Program Objective:

Garlic mustard, perennial pepperweed and Japanese knotweed will be controlled in high populated sites in Brown County

Desired Outcomes:

- 1) Garlic mustard, perennial pepperweed and Japanese knotweed will be mapped and controlled in the infested sites
- 2) Applied field research trial will be designed, implemented and evaluated

Implementation Plan:

- Onsite training on invasive species identification, herbicide safety, and GPS program (May – August, 2007 - 2008)
- GPS mapping (May – June, 2007 - 2008)
- Site treatment (June – July 2007, 2008)

- Applied field research study (2007 - 2008)
- Newsletter (October 2007, 2008)

### Evaluation Plan:

Post herbicide treatment site evaluation (2007 – 2008)  
Applied field research plot evaluation (2007- 2008)

### Resources:

UW-Extension specialists  
UWEX - Learning Store website  
N.E.W. Invasive Species Endowment Fund  
N.E.W. Master Gardener Association for volunteers and funds

### Professional Improvement Needs

1. North Central Weed Science Society of America Conference on Invasive Species Management (2007 – 2008)