Title: 2015 Dow Knotweed Control – Fitchburg Farm

Personnel: Mark Renz, Tony Summers
Location: Fitchburg, Wisconsin
Plot information:
Plot size: 10 ft x 10 ft
No. reps: 4 per treatment, 4 treatments, 2 timings

Herbicide application data:

A. Application equipment: handheld sprayer, GPA=50
B. Chemicals used:
   Milestone @ 7 fl oz/ac +NIS
   Milestone @ 10 fl oz/ac +NIS
   Milestone @ 14 fl oz/ac +NIS
   Milestone @ 7 fl oz/ac + NIS + Vastlan @ 1 qt/ac

C. Date treated:	9/25/2015 (late)	spring 2016 (early)
D. Treatment:	A	B
E. Soil moisture (top):	dry	
F. Air temperature (F):	76	
G. Wind, MPH:	5-6	
H. Cloud cover (%):	30	

Site info: Site is located on a farm in southern Wisconsin. It is populated with several dense colonies of either Bohemian knotweed. Untreated plants were observed at >10 ft tall in summer 2015. Plots occur in 2 blocks with a path separating each block.

Notes: Plants grew faster than anticipated in late spring 2015 so early treatment will be applied in late spring 2016. All plots had 100% knotweed cover at the time of mowing and fall treatment. There were several straw bales in 3 of the plots that appeared during the mowing process.

Project design: This study addresses the efficacy of applying herbicide to Bohemian knotweed early in the growing season (when plants are 3-4 ft tall) vs a summer mowing and late September herbicide application. Milestone at 7, 10, and 14 fl oz/ac and Milestone at 7 fl oz/ac plus Vastlan at 1 qt/ac are the herbicides used. 32 plots were flagged and mowed on 7/31/2015 and allowed to resprout until the late season herbicide timing was applied on 9/25/2015. Plants were 2-4 ft in height and at the vegetative state at time of herbicide application. Early season timing will be applied in 2016. Effectiveness of timing/herbicide combinations will be assessed in 2016 and 2017.