

<i>Appendix 1. Summary of Outcomes, Output, Activities, Inputs, and Evaluation.</i>			
Activities	Inputs	Expected Outcomes and Outputs	Evaluation/Monitoring Plan; Measurement Methods
Grower survey	Student labor, survey service subscription, pilot tester input	Survey response, sharing of results, fine-tuning of field experiments, identification of farmer collaborators	Initial survey pilot with farmers/faculty
Survey follow-up discussions with farmers and scientists	Stakeholder attendance at meetings or farming conferences	Farmer education on plant breeding and buckwheat cover crops, development of client-driven research projects on buckwheat or other cover crops	Formation of interested group of farmers and researchers
	Labor for writing and presentations, publication costs	Sharing of results of survey via publications and presentations	Discussions with collaborators and workshop participants, number of attendees at presentations, peer review of research
Buckwheat variety trials	Labor, seed, lab tests	Characterization of buckwheat lines by cover cropping traits	Morphological and phenological characters, allelopathic chemical content
	Labor for writing and presentations, publication costs	Sharing of results of variety trials via publications and presentations	Discussions with collaborators, peer review of research
		Breeder/farmer use of germplasm for buckwheat cover crop breeding and larger variety trials	Number of breeding programs working with buckwheat cover crops
Field test of tartary buckwheat as a cover crop	Student labor, cover crop seed, farmer compensation, lab tests of soil nutrients and phytochemicals	Evaluation of tartary buckwheat as a weed-suppressive summer cover crop	weed community and biomass production relative to common buckwheat and fallow, allelochemical content
		Use of tartary buckwheat as a cover crop on WI vegetable farms	Number of farmers using tartary buckwheat
	Labor for writing and presentations, publication costs	Sharing of results of experiment via publications and presentations	Peer review