Objectives	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1. Determine how cover crops impact belowground arthropod biodiversity relative to "business-as-usual" practices at the field-scale					Conduct on-farm arthropod sampling (4 sampling time points)												Conduct on-farm arthropod sampling (4 sampling time points)							
					Characterize communities taxonomically and functionally in the laboratory								Data management and analysis				Characterize communities taxonomically and functionally in the laboratory							
2. Investigate if cover crop plant species diversity drives increased biodiversity in soil arthropod communities and their associated ecosystem services at the small-plot scale.					Conduct small-plot arthropod sampling (4 sampling time points)												Conduct small-plot arthropod sampling (4 sampling time points)							
					Characterize communities taxonomically and functionally in the laboratory								Data management and analysis				Characterize communities taxonomically and functionally in the laboratory							
3. Investigate how different levels of soil arthropod community diversity impacts organic matter decomposition							Prep field decomposition experiment		Conduct experimental field test of arthropod mediated decomposition in small-plots										Prep field decomposition experiment		Conduct decomposition field test in small-plots/on-farm			
4. Use the Soil Biological Quality index to evaluate the soil condition in cover crop treatments throughout the growing season and duration of the project.		Begin draft of Soil Biological Quality index Extension publication and workshop booklet							Calculate Soil Biological Quality index for year 1						Assemble final product and publish Soil Biological Quality index Extension publication and workshop booklet						Calculate Soil Biological Quality index for year 2			
Outreach timeline (approximate)				LIT Annual Meeting					Soil Stewards Farm Field Day				Entomological Society of America meeting		Pacific Northwest Direct Seed Association	LIT Annual Meeting	Annual Idaho Extension Meeting							
							Organize Soil Biological Quality Index Workshop				Moscow, ID Farmers Market					PCD Symposium (approx)		Organize Soil Biological Quality Index Workshop					Moscow, ID Farmers Market	