

Rob Clark's 2018 Field Season

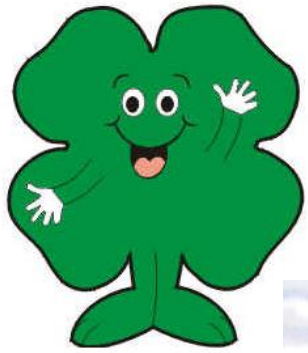
“Ruining fieldwork for undergrads for over 10 years”

~~BUG~~ BIG TAKEAWAY:

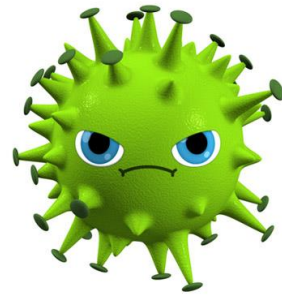
RobC will be ***done*** with fieldwork by July, so students are up for grabs

It might be a good idea to take advantage of the “free” labor!

Do non-cultivated legumes harbor pea enation mosaic virus?



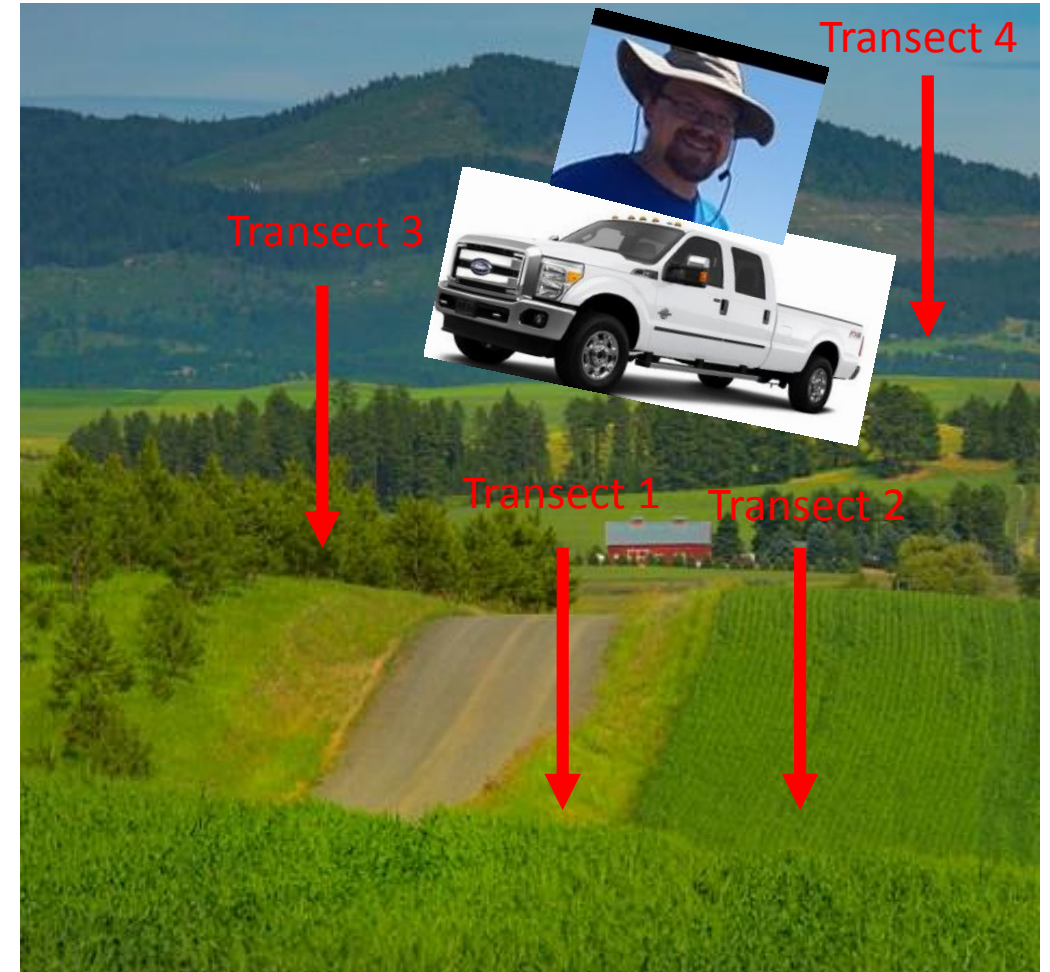
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Peas out man



Timeline: Sample legumes and aphids in **April and May** in Whitman and Latah County
(also includes a sub-sample of plants with aphids added)

Methods: Regional set of transects followed by adding aphids in bugdorms on research farms and campus (Idaho + WSU)

Data: Aphid abundance, performance, and viral titer on alternative hosts in the field

Do alternative host-plant species and predators facilitate spread of viruses and reduce yield of dry peas?



Timeline: Manipulate tri-trophic interactions in **May and June** (harvest in July) on Palouse Conservation Farm
Methods: Plant alternating rows of **vetch, pea, and clover**. Use 2x2x2 meter bugdorms for mesocosms
Data: Aphid performance, predator effects, viral incidence, pea yield