Research focus:

Karl Kunze a PhD student in the [Cornell small grains breeding program](http://smallgrains.cals.cornell.edu/) advised by [Dr. Mark Sorrells](https://plbrgen.cals.cornell.edu/people/mark-sorrells/). Karl currently works on applied breeding projects in both winter malting barley and organic naked barley, with the aim to develop winter barley varieties that are adapted to the New York State environment. Karl’s research in organic barley includes genotype by environment interaction of winter naked barley variety trials, genome wide association studies for foliar disease traits in organic naked barley diversity panels, and using aerial imaging to quantify organic barley growth rates. Research in the winter malting breeding program includes quantifying seed dormancy loss in a winter malting breeding population, measuring malt quality for selection decisions, increasing efficiency in selection decisions for winter malting barley using phenotype and genotype information.

Interests:

Applied Plant Breeding

Plant Genetics

Genomics

Quantitative Genetics

Malting Quality

Seed dormancy

Contact

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Website(I don’t know if you would be allowed to do this, so if you can’t link to the website, it’s not a problem): <https://karlkunze.github.io/>