CALEB HARPER: Our research has two fundamental components, which is agriculture technology platforms, and you saw the small on, the medium one, and we're building the large one; and then the datasets that come out of them. We call that the Open Phenome Project.

So the small platform is called Food Computer, the medium one is called the Food Server, the big one's called Food Data Center. All those run on Climate Recipes. That's the open phenome part. We're just trying to build that like a Wikipedia of climates.

HOST: By figuring out the best way to optimize this system, Caleb hopes it can become a widely-used method of agricultural production to help provide individuals with access to food that can be eaten closer to the point of growing, and the ability to grow anything anywhere in the world with similar technology and the right climate recipe.

HARPER: There are many places in the world that can't grow food, right? Ever, and never will be able to grow food. But with technology like this, they could, right? Because you're basically making climate stable.