SYMPOSIUM February 3 & 4, 2025 Putting Your Vineyard on the Map: Using Spatial Data to Improve Efficiency

OREGON

Hans Walter-Peterson Senior Extension Associate, Cornell Cooperative Extension

PROGRAM OREGON PRODUCER WINE



Oregon Winegrowers ASSOCIATION EST 1981



Vineyard efficiency is...















Vineyard efficiency is...









Vineyard efficiency

Vineyards are not uniform systems, but equipment (and people) often manage them uniformly. That's not optimal, a.k.a., efficient.

If you can measure the variation, then you can manage it to meet your goals.

BUT HOW?







MyEV



www.efficientvineyard.com









Proximal NDVI, May 20 Concord Vineyard

Cornell Lake Erie Research and Extension Lab High wire, cordon trained, mechanical cane pruned with manual pruning follow-up











Translated Vit Map (Shoots/vine)











Bloom NDVI pattern correlates with the Yield pattern



New technology does nothing to change the fundamentals of viticulture:

- Balancing vegetative and fruit production
- Adequate light interception
 by leaves and fruit
- Proper pest, water and nutrient management
- Healthy environment for roots













Key Questions

What problem do I want to solve?

What information do I need to solve it?

How do I get that information?

How do I use that information to develop a solution?



