



CROP
Grape



GROWER
Bitner Vineyards



FARM
Bitner Vineyards

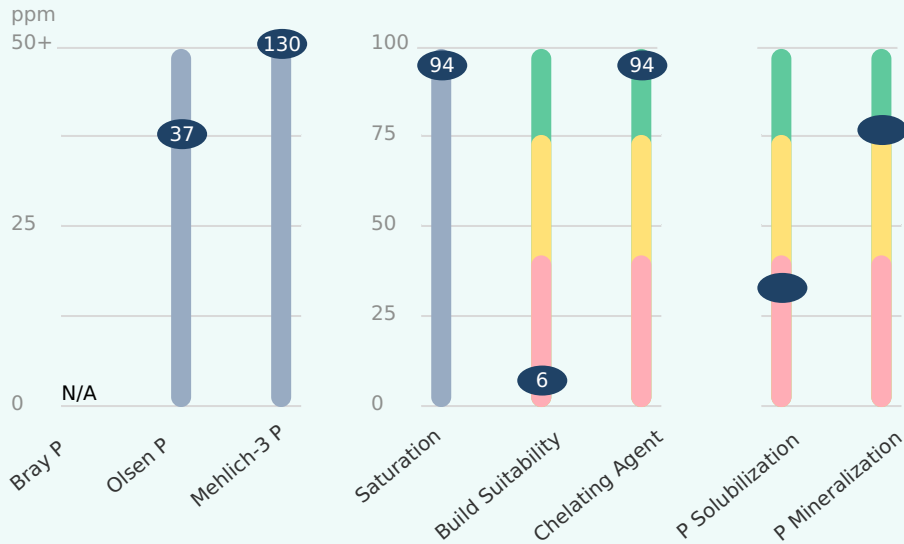


FIELD
Bitner Vineyards



SAMPLING DATES
09/13/2024

Field Average



TraceComplete Averages: **pH: 7.8** | **Ca: 6474 ppm** | **Fe: 51.7 ppm**

Guidance

Build Suitability:

The soil has a high saturation level, and any added phosphorus may be at risk of runoff or leaching.

Chelating Agent:

A phosphorus chelating agent should be considered with any additional phosphorus fertilizer to keep phosphorus adhered to the soil and reduce the risk of runoff or leaching, given the high level of saturation.

P Solubilization:

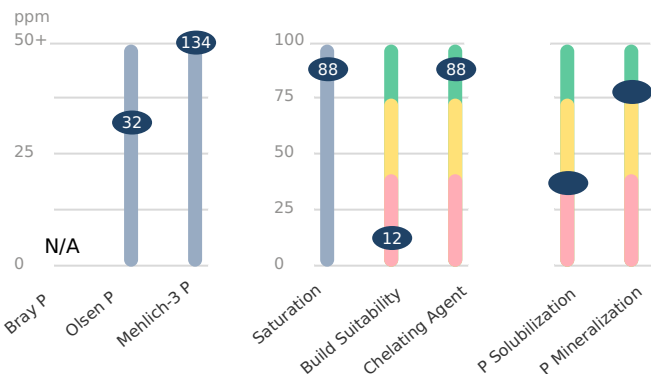
Consider using a phosphorus solubilizing product or management practice to enhance the soil's biological capacity to solubilize fixed phosphorus.

P Mineralization:

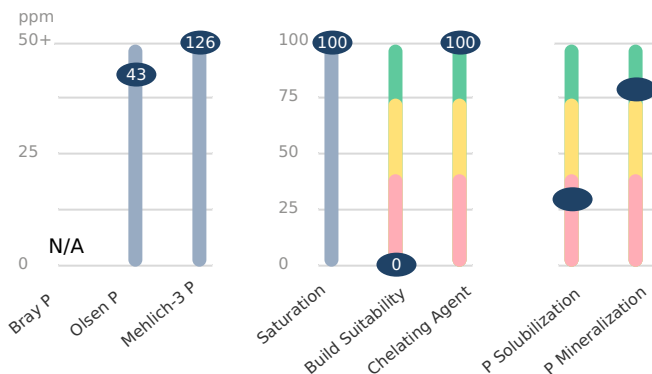
The soil's biological capacity to mineralize phosphorus is relatively high and may benefit from a biological product or management practice.

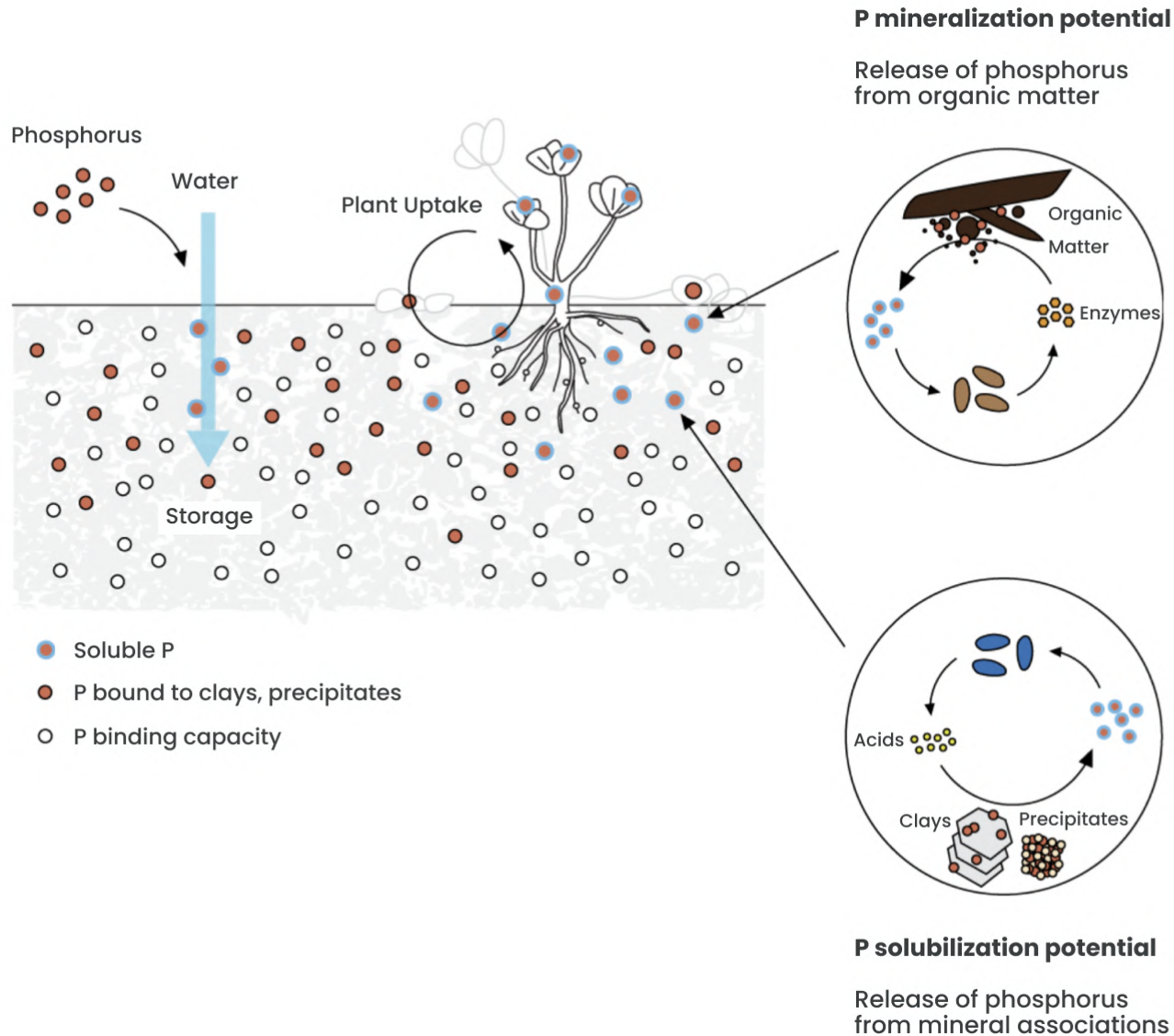
Low Medium High Measured Value

Treated



Untreated





Phosphorus Saturation

Every soil is different in its capacity to store P, depending on the amount of Calcium and Aluminum in the soil.

We measure the degree to which soil phosphorus absorption sites are filled.

Soil microbes make bound P available and release P from mineral and organic matter.

We quantify the organisms in the soil that have the potential to liberate P and make it plant available.

Phosphorus Biology