



CROP  
Potato



GROWER  
sample 1



FARM  
MCCAIN

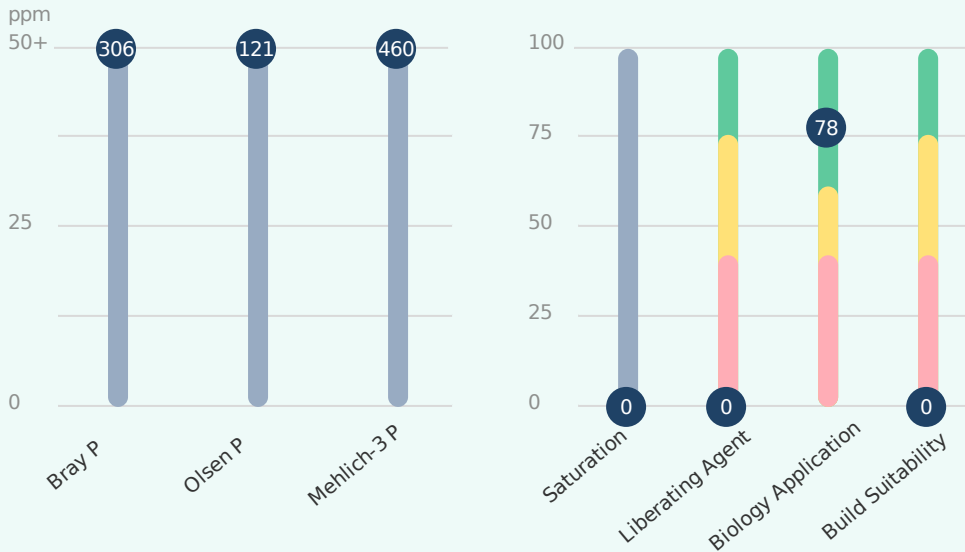


FIELD  
1



SAMPLING DATES  
06/27/2023

## Field Average



## Recommendations

### Liberating Agent:

Phosphorus liberating agent is likely to produce a response because a significant proportion of phosphorus is bound in the soil under low saturation conditions.

### Biology Application:

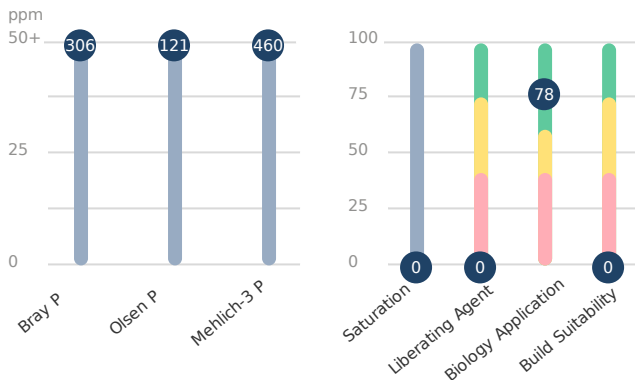
The phosphorus soil biology level is high and may not significantly benefit from a biological product or management practice to enhance the soil's capacity to biologically process phosphorus.

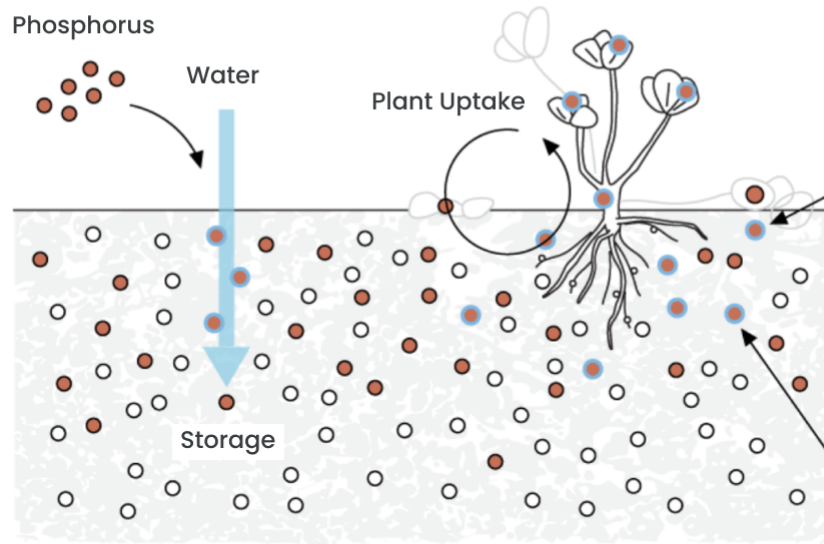
### Build Suitability:

The soil is able to hold more phosphorus due to the low saturation level and is suitable for a build strategy, if desired.

Low Medium High Measured Value

## 88997

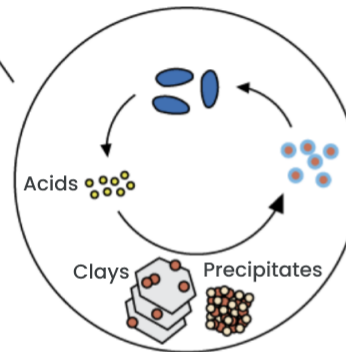
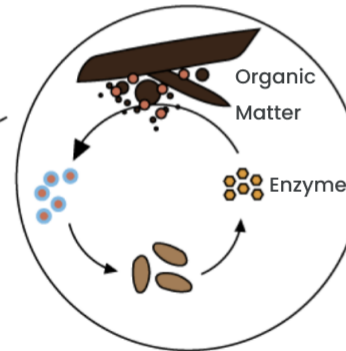




- Soluble P
- P bound to clays, precipitates
- P binding capacity

### P mineralization potential

Release of phosphorus from organic matter



### P solubilization potential

Release of phosphorus from mineral associations

### 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