

PhoSul[®]
GROWS WITH NATURE[®]

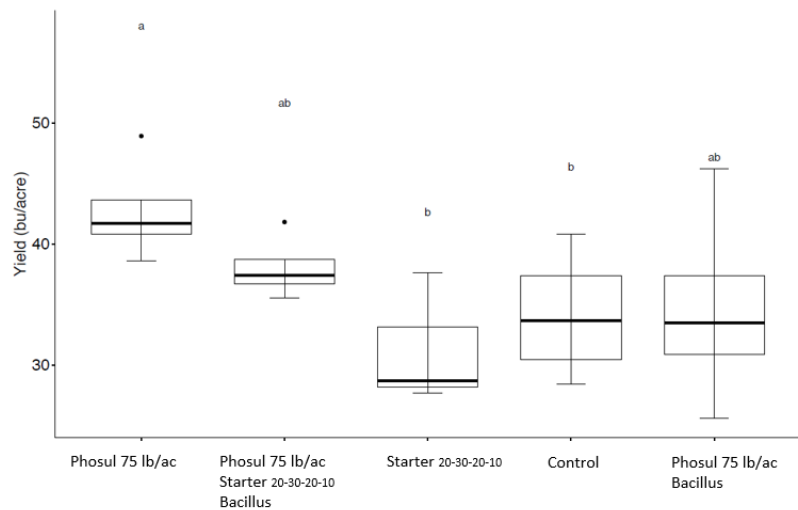
MONTANA STATE UNIVERSITY PHOSUL WINTER WHEAT TRIAL

This study was conducted through the Montana State University. The field is located in Moccasin Montana. The soil contains an average pH of 6.7, 3.7% organic matter, and 68 ppm P. Winter wheat was planted November 5th, 2020 and harvested on August 3rd, 2021. Nitrogen was broadcast on all plots at 200 lbs/ac (ESN, 44-0-0). The Bacillus inoculant used was a proprietary phosphate solubilizing strain. The starter was applied at 50 lbs/ac. PhoSul was applied in furrow at 75 lbs/ac on treated plots.

Dryer than normal conditions were experienced during the growing season in this region. Total precipitation from fall seeding to harvest was 8.1 inches; with only 0.64 And 1.09 inches in June 2021 and July 2021 respectively. Historic normals are 3.07 (June) and 1.91 (July).

YIELD

PhoSul applied alone, without starter fertilizer or Bacillus showed significantly higher yields ~41 bu/ac compared to all other treatments. PhoSul yielded approximately 6 bu/ac (17% increase) more than the untreated control.



PROTEIN

No significant differences were found in protein content, but more research is needed to see if PhoSul improves protein content in wheat as there appear to be some benefits.

