

# POTATO TRIAL AT A SEED POTATO FARM

## Leduc / Wetaskiwin area, Alberta

- Trail Parameters:** - 20 acre field split in two: south 10 acres was Control, north 10 acres treated with Penegetic k & p.
- Full 20 acres received Grower Standard Practice (GSP) = same fertilizer and chemical treatments.
  - Penegetic k (300 grams/acre) was applied as a spray to the soil shortly after potatoes seeded.
  - Penegetic p was applied as foliar spray with fungicide applications (3 X 100 grams/acre).\*
- \* Note: protocol did not include seed treatment (which typically is 100 grams/acre of penegetic p added in the furrow).



**Yield Comparison:** At harvest grower dug up and weighed 8 rows ( 0.4 acre ) in both the Control & Penegetic areas.  
Control area = 360 cwt/acre (18 tons) of potatoes. Penegetic-treated area = 435 cwt/acre (21.75 tons) of potatoes.  
Difference: Penegetic-treated area yielded 75 cwt (3.75 tons) more potatoes per acre = 20.8% higher yield.

Note: Weights rounded to the nearest cwt.