



# Replacing 2,4-D treatments for color in Red Potatoes

Spicer, MN

## Experiment Info

Planted:

Harvested:

Yield Goal:

Variety:

Pop.:

Row Width:

Prev. Crop:

Plot Size:

Reps:

## Soil Test (ppm)

pH:

CEC:

%OM:

Bray P1:

Bicarb P:

K:

S:

%K:

%Mg:

%Ca:

%H:

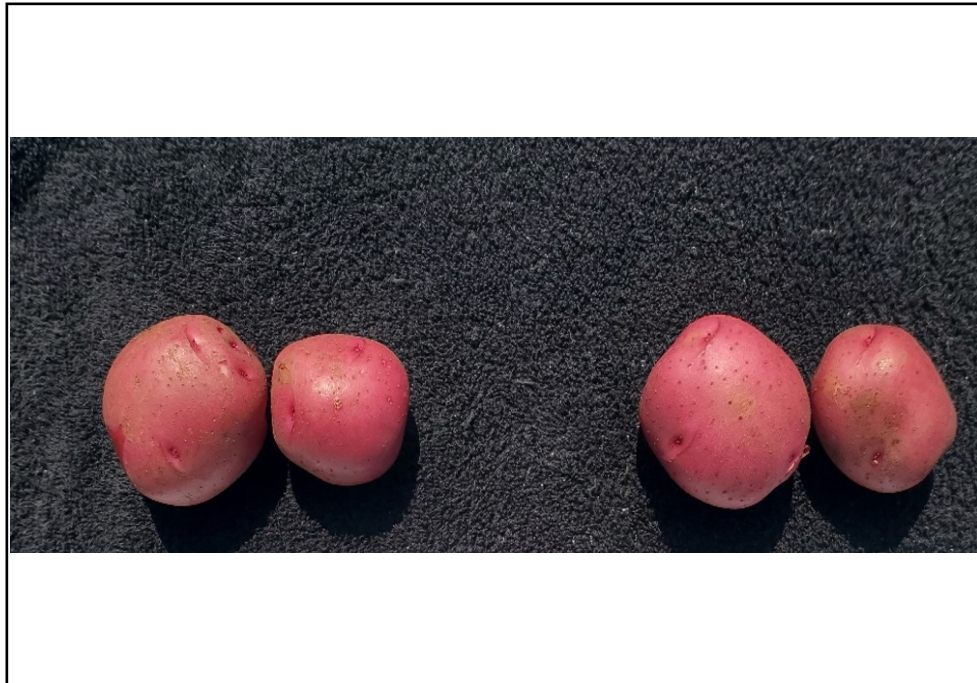
Zn:

Mn:

B:

## Objective:

Red Potato growers have used multiple low rate applications of 2,4-D in red potatoes to enhance the red skin color. This is a labeled practice that has been used by red potato growers for many years, and has long been promoted by several land grant universities as a good management practice. Timm Gabrielson hypothesized that we could achieve comparable or better skin color and improve skin quality, by adding Liberate Ca and Micro 600 to a growers standard liquid in-furrow starter, typically 10-34-0. This is the second season of these field plot comparisons, in 2021 there were three cooperating growers, this season we had four cooperators. The growers care much more about achieving the most red color as possible, with yield only a secondary concern.



stats

## Conclusions:

The photo above is representative of what we observed at all four cooperator's plots. The Liberate Ca + Micro 500 treatment on the right was every bit the color equal of the 2,4-D treated potatoes on the left. Overall our impression was that the Liberate Ca + Micro 600 potatoes had less scab and fewer blemishes. With two consecutive seasons with multiple cooperator plots we have growing confidence that Liberate Ca + Micro 600 in the in-furrow starter can indeed replace the standard 2,4-D treatments.