

FERTILEADER DURING TUBER DEVELOPMENT



POTATO

OBJECTIVE

To compare the yield and size distribution impact in baking/French fry potato variety *Russet Burbank* for multiple foliar applications of Fertileader Gold during tuber development against grower standard practice.

SITE LOCATION:

Hancock, WI

RESEARCHER:

University of Wisconsin
Hancock Research Station

STUDY INFORMATION

Variety	Russet Burbank
Population	20,000
Planting Date	12-May-2021
Harvest Date	1-Oct-2021

KEY FINDINGS

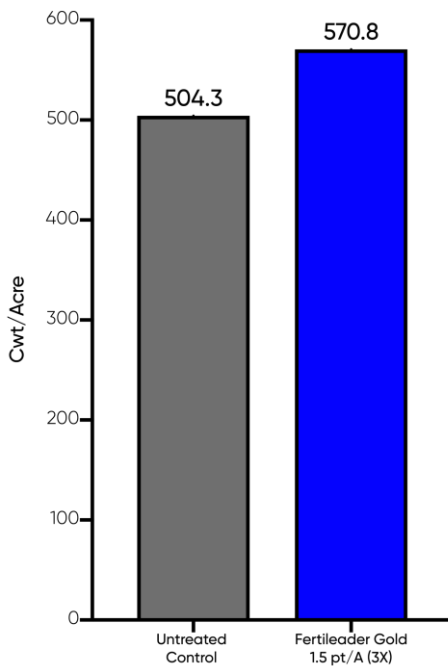
+66.5 cwt/ac

In marketable yield with
Fertileader Program

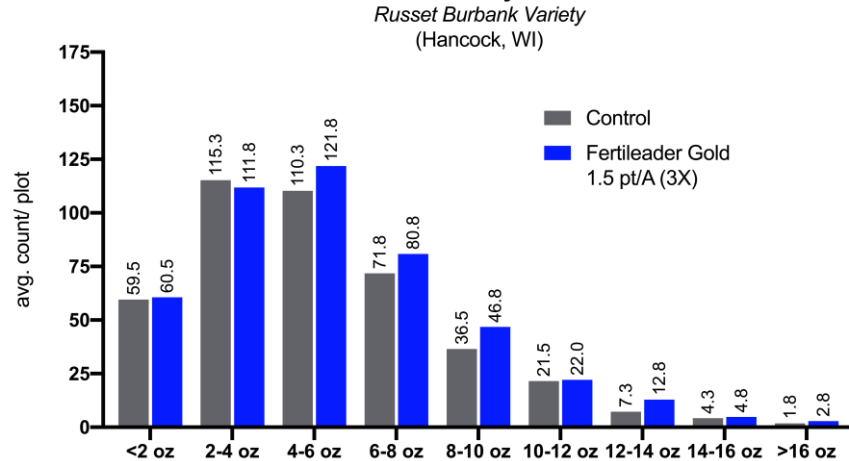
ROI:

\$637.86/ac

Total Marketable Potato Yield
Russet Burbank Variety
(Hancock, WI)



Size Distribution by Tuber Count
Russet Burbank Variety
(Hancock, WI)



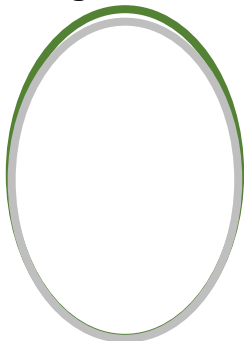
Graphs: Foliar applied treatment of Fertileader Gold during tuber development increased yield 66.5 cwt/ac on Russet Burbank variety potato. Revenue was calculated at \$10/cwt. Fertileader Gold was calculated at retail cost of \$48.25/gallon.

APPLICATION

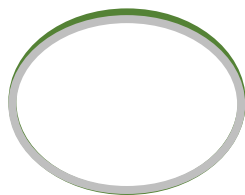
Treatment	Application Rate
Grower Standard Practice	N/A
Fertileader Gold	3X @ 1.5 pt/acre, 14-day intervals

VOLUME & AREA DATA

Length x Width



Height x Width



	Width	Length	Height	Shape	S. Area
Control	2.37	3.32	1.77	29664.64	9717.89
Fertileader	2.39	3.41	1.86	30893.89	10110.51



Control

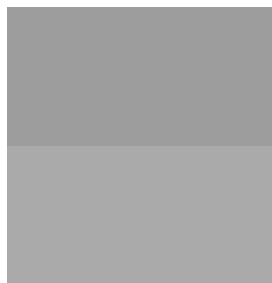


Increased Surface Area by

+4%

FRY COLOR DATA FROM PHOTO-SPECTROMETRY

Stem



Center



Control



	Specific Gravity	Stem	Center
Control	1.065	27.342	32.467
Fertileader	1.066	30.179	33.700

Stem Side Color Improved by

+10.3%

Center Color Improved by

+3.8%