

AGRO ENGINEERING

“COMPREHENSIVE AGRICULTURAL AND WATER RESOURCE CONSULTING”

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October 28, 1992

Mr. Neil McDaniel
B.O.S.S. of Colorado
13188 N. Highland Circle
Littleton, CO 80125

Dear Neil:

The evaluation of the Super Boss product on the three potato fields has been completed. This first year's trials indicate a significant trend toward increased productivity. Due to the hail of August 13 and 14 the killing frost of August 26, only one of the three fields came close to a normal finish. This field showed the greatest difference between treatment and control.

Three fields were selected, each having a different soil type and a different potato variety. Petiole samples were taken throughout the season on the treated south half of the center pivot field and the non-treated north half. Aerial photographs (color and color infrared) were taken at approximate 2-week intervals. Yield estimates were conducted on 10-ft. strips on the Monier #14 field four days after the hail damage, and on the other two fields September 22. Two samples per quadrant were taken for the yield estimates. Total weights were taken at harvest on each half circle

A summary of the results follow. Yield estimates include all potatoes. Harvest yields include seed and larger.

Monier #14 - Norkotahs

Yield estimates: 409 cwt/acre (treated)
352 cwt/acre (control – Not treated)

At harvest: 435 cwt/acre (treated)
413 cwt/acre (control – Not treated)

Versaw #4 - Centuries

Yield estimates: 525 cwt/acre (treated)
457 cwt/acre (control – Not treated)

At harvest: 442 cwt/acre (treated)
360 cwt/acre (control – Not treated)