



## Foliar Nutrient on Potato Trials

### YIELD MAX on Potatoes

### 2001 - Alberta

#### YIELD TOTAL and by Size Category

	Small Tubers (cwt/ac)	Medium Tubers (cwt/ac)	Large Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	59.23	212.87	22.27	<b>294.37</b>	<b>100%</b>
YIELD MAX	51.88	252.28	24.27	<b>328.43</b>	<b>112%</b>

#### Potatoes in Each Size Category

	Small Tubers	Medium Tubers	Large Tubers
Untreated	20%	72%	8%
YIELD MAX	16%	77%	7%

#### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	235.14	7	\$ 1,645.98
YIELD MAX	276.55	7	\$ 1,935.85
<b>Dollar per acre increase</b>			<b>\$ 289.87</b>

-YIELD MAX was applied in three treatments of 5 lbs/ac each. The first was at tuber initiation and then two weeks and four weeks after the first application.

-YIELD MAX is can be applied with most crop protection products.

\*Research conducted by AgQuest in Alberta.

# Foliar Nutrient on Potato Trials

## YIELD MAX and PHOS MAX on Potatoes

### 2004 - Alberta (AgQuest)

#### YIELD TOTAL and by Size Category

	Small Tubers (cwt/ac)	Medium Tubers (cwt/ac)	Large Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	12.78	246.79	12.03	271.6	100%
YIELD & PHOS MAX	17.85	277.42	7.7	302.97	112%

#### Potatoes in Each Size Category

	Small Tubers	Medium Tubers	Large Tubers
Untreated	5%	91%	4%
YIELD & PHOS MAX	6%	92%	3%

#### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	258.82	7	\$ 1,811.74
YIELD & PHOS MAX	285.12	7	\$ 1,995.84
Dollar per acre increase in YIELD MAX & PHOS MAX			\$ 184.10

- One application of PHOS MAX (5 lbs/ac) was applied after three applications of YIELD MAX (5 lbs/ac)

The first was applied at tuber initiation and then every two weeks after the first application.

- YIELD MAX and PHOS MAX can be applied with all crop protection products.

- This plot was done in an existing potato field. Normal fertility programs was used for Potato production.

- There was a significant reduction in hollow heart in the treated area versus the untreated.

\*Research conducted by AgQuest in Alberta.

# Foliar Nutrient on Potato Trials

## YIELD MAX and PHOS MAX on Potatoes

### 2002 - Alberta (AgQuest)

#### YIELD TOTAL and by Size Category

	Small Tubers (cwt/ac)	Medium Tubers (cwt/ac)	Large Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	17.57	158.66	82.59	258.82	100%
YIELD & PHOS MAX	17.31	171.37	83.55	272.23	105%

#### Potatoes in Each Size Category

	Small Tubers	Medium Tubers	Large Tubers
Untreated	7%	61%	32%
YIELD & PHOS MAX	6%	63%	31%

#### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	241.25	7	\$ 1,688.75
YIELD & PHOS MAX	254.92	7	\$ 1,784.44
Dollar per acre increase in YIELD MAX & PHOS MAX			\$ 95.69

- One application of PHOS MAX (5 lbs/ac) was applied after three applications of YIELD MAX (5 lbs/ac) The first was applied at tuber initiation and then every two weeks after the first application.

-YIELD MAX and PHOS MAX can be applied with all crop protection products.

- This plot was done in an existing potato field. Normal fertility programs was used for Potato production.

\*Research conducted by AgQuest in Alberta.

# Foliar Nutrient on Potato Trials

## YIELD MAX and PHOS MAX on Potatoes 2002 - Manitoba (AgQuest)

### YIELD TOTAL and by Size Category

	Small Tubers (cwt/ac)	Medium Tubers (cwt/ac)	Large Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	17.63	66.54	66.91	151.08	100%
YIELD & PHOS MAX	13.04	66.64	104.21	183.89	122%

### Potatoes in Each Size Category

	Small Tubers	Medium Tubers	Large Tubers
Untreated	12%	44%	44%
YIELD & PHOS MAX	7%	36%	57%

### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	133.45	7	\$ 934.15
YIELD & PHOS MAX	170.85	7	\$ 1,195.95
Dollar per acre increase in YIELD MAX & PHOS MAX			\$ 261.80

- One application of PHOS MAX (5 lbs/ac) was applied after three applications of YIELD MAX (5 lbs/ac)  
The first was applied at tuber initiation and then every two weeks after the first application.

-YIELD MAX and PHOS MAX can be applied with all crop protection products.

- This plot was done in an existing potato field. Normal fertility programs was used for Potato production.

\*Research conducted by AgQuest in Manitoba.

# Foliar Nutrient on Potato Trials

## YIELD MAX and PHOS MAX on Potatoes

### 2003 - Manitoba (AgQuest)

#### YIELD TOTAL and by Size Category

	Small Tubers (cwt/ac)	Medium Tubers (cwt/ac)	Large Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	35.8	151.23	109.8	<b>296.83</b>	<b>100%</b>
YIELD MAX	20.87	109.14	184.79	<b>314.8</b>	<b>106%</b>
YIELD & PHOS MAX	25.67	120.77	155.94	<b>302.38</b>	<b>102%</b>

#### Potatoes in Each Size Category

	Small Tubers	Medium Tubers	Large Tubers
Untreated	12%	51%	37%
YIELD MAX	7%	35%	59%
YIELD & PHOS MAX	8%	40%	52%

#### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	261.03	7	\$ 1,827.21
YIELD MAX	293.93	7	\$ 2,057.51
YIELD & PHOS MAX	276.71	7	\$ 1,936.97
Dollar per acre increase in YIELD MAX			\$ <b>230.30</b>
Dollar per acre increase in YIELD MAX & PHOS MAX			\$ <b>109.76</b>

-YIELD MAX was applied in three or four treatments of 5 lbs/ac each. One application of PHOS MAX at 5 lbs/ac was applied after the three of YIELD MAX treatments in the YIELD MAX & PHOS MAX trials.

The first was applied at tuber initiation and then every two weeks after the first application.

-YIELD MAX and PHOS MAX can be applied with all crop protection products.

- This plot was done in an existing potato field. Normal fertility programs was used for Potato production.

\*Research conducted by AgQuest in Manitoba.

# Foliar Nutrient on Potato Trials

## YIELD MAX and PHOS MAX on Potatoes

### 2002 - Manitoba (Portage la Prairie)

#### YIELD TOTAL and by Size Category

	Undersize Tubers (cwt/ac)	Marketable Tubers (cwt/ac)	TOTAL Tubers (cwt/ac)	Yield Percent of Untreated
Untreated	66.78	124.73	191.51	100%
YIELD MAX	47.87	140.31	188.18	98%
YIELD & PHOS MAX	47.17	138.46	185.63	97%

#### Potatoes in Each Size Category

	Undersize Tubers	Marketable Tubers
Untreated	35%	65%
YIELD MAX	25%	75%
YIELD & PHOS MAX	25%	75%

#### Economic Impact - Dollars per Acre

	Marketable Tubers (cwt/ac)	Price (\$/cwt)	Total (\$/ac)
Untreated	124.73	7	\$ 873.11
YIELD MAX	140.31	7	\$ 982.17
YIELD & PHOS MAX	138.46	7	\$ 969.22
<b>Dollar per acre increase in YIELD MAX</b>			<b>\$ 109.06</b>
<b>Dollar per acre increase in YIELD MAX &amp; PHOS MAX</b>			<b>\$ 96.11</b>

-YIELD MAX was applied in three or four treatments of 5 lbs/ac each. One application of PHOS MAX at 5 lbs/ac was applied after the three of YIELD MAX treatments in the YIELD MAX, PHOS MAX trials.

The first was applied at tuber initiation and then every two weeks after the first application.

-YIELD MAX and PHOS MAX can be applied with all crop protection products.

- Preplant Fertilizer (lbs/ac): N-110, P-70, K-70, S-25. In-furrow: N-30, P-30, K-90