



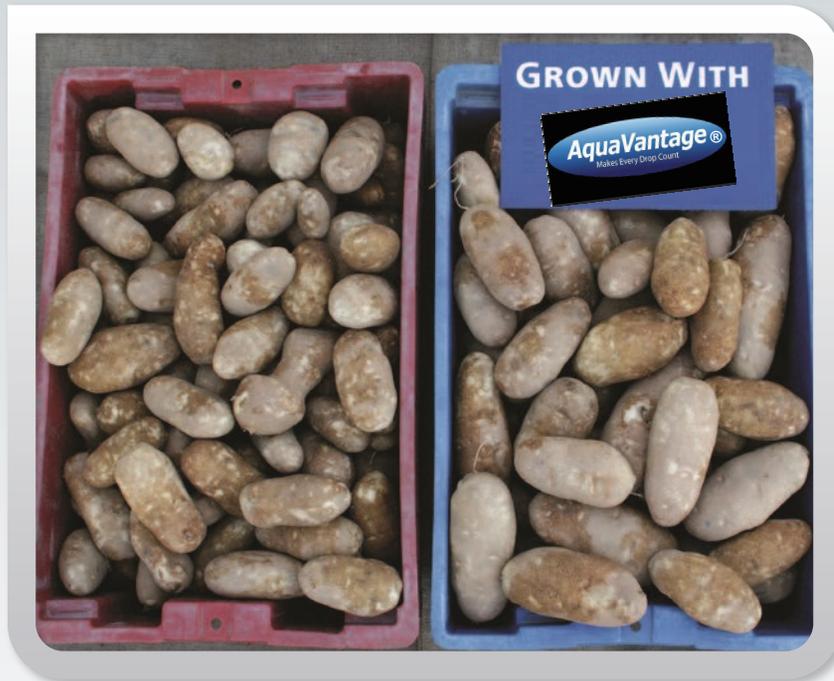
Potatoes

With AquaVantage®

- AquaVantage at planting is consistently providing potato growers with more usable yield and tons per acre. Year after year, average return on investment with AquaVantage, in potatoes have proven 3X.
- AquaVantage improves soil's ability to hold water in the root zone and then release it to plants as they need it.
- AquaVantage has also been shown to increase nutrient levels in leaf petiole samples.
- AquaVantage **AV 16-30** should be applied at 7 lbs. per acre, in furrow, with potato seed pieces or at spring mark out before planting.
- Gandy Orbit Air, PDA, PDM and Horstine Microband Applicators can all be used to ensure accurate delivery of AquaVantage to the seed furrow.
- AquaVantage **AV 16-30** are the right formulations for all potato growers.
- AquaVantage has no toxic components and biodegrades in the soil like plant residues.

Othello, WA — Russet Burbank Potatoes

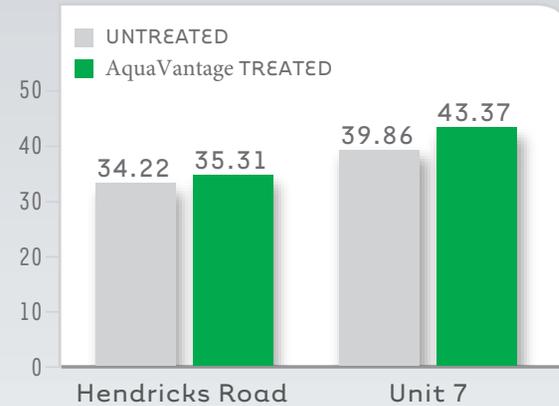
1.09 and 3.51 More Tons/Acre and Higher Usables



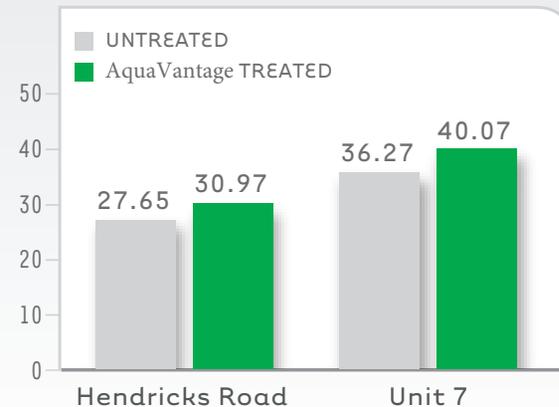
AquaVantage® AV 16-30 was applied at 7 lbs per acre in furrow at planting on Russet Burbank potatoes in Othello, WA. Results show an increase in both yield and usables.

SEE TRIAL DATA ON REVERSE SIDE →

1.09 and 3.51 More Tons/Acre



3.32 and 3.80 More Usable Tons/Acre





GENERAL TRIAL INFORMATION

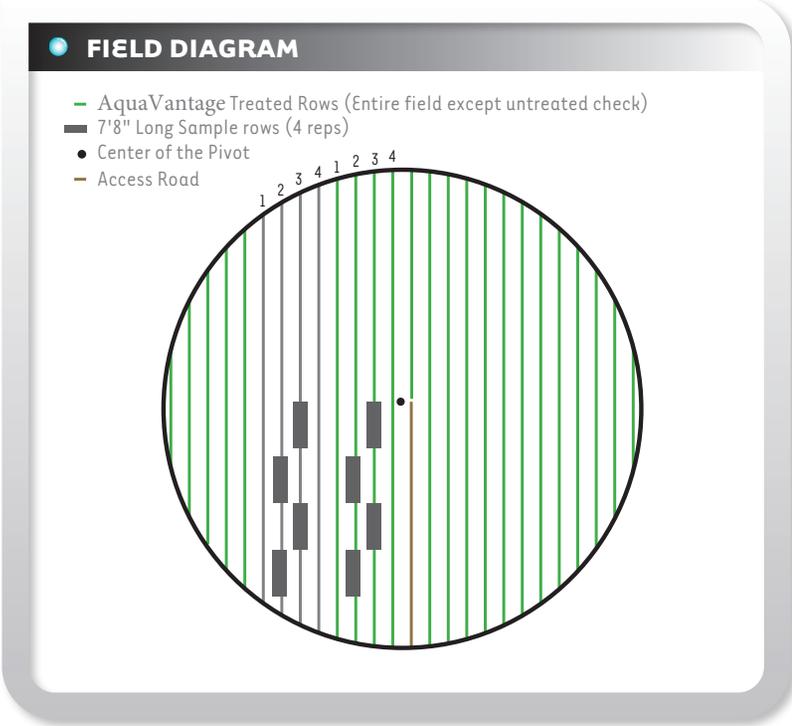
PCA: Karl De Ruwe, Western Farm Service
Location: Othello, WA
Field: Hendricks Road
Crop: Potatoes
Variety: Russet Burbank

Rate of AquaVantage AV 16-30: 7 lbs per acre
Application: AquaVantage applied in furrow at planting
Harvest: Replicated trial samples harvested by hand
Quality Grades: Ag World Support Systems

YIELD RESULTS

AquaVantage

	Field	Untreated	Treated	Increase
Total Lbs	Hendricks Road	129.45 lbs	134.45 lbs	5 lbs
Tons/Acre		34.22 Tons	35.31 Tons	1.09 Tons
Total Usables		80.8%	87.7%	+6.9%
<hr/>				
Total Lbs	Unit 7	159 lbs	173 lbs	14 lbs
Tons/Acre		38.86 Tons	43.37 Tons	3.51 Tons
Total Usables		91.0%	92.4%	+1.4%



Hermiston, OR — Premier Potatoes

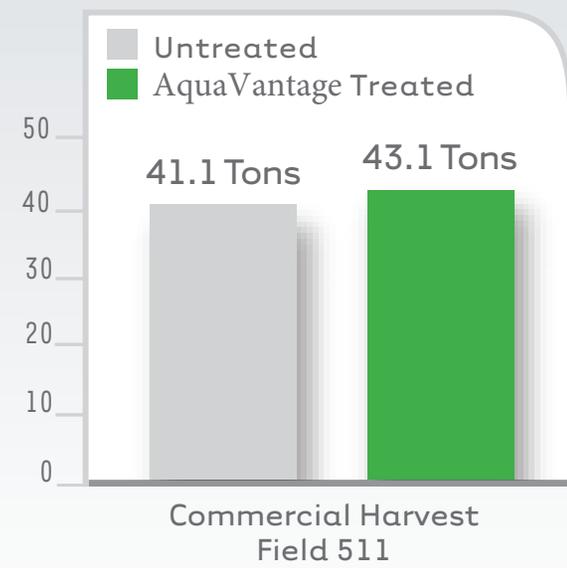
2 More Tons/Acre



GENERAL TRIAL INFORMATION

Grower: Undisclosed
Location: Hermiston, OR
Crop: Potatoes
Variety: Premier
Rate of AquaVantage AV 16-30: 7 lbs per acre
Application: AquaVantage applied in furrow at planting
Quality Grades: Ag World Support Systems

2 More Tons/Acre



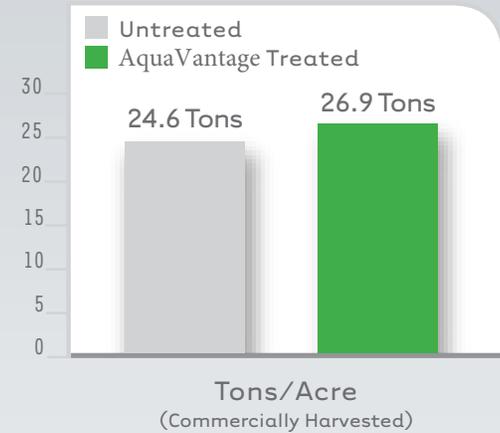
GRADE OUT COMPARISON

	Total Yield	Total Usables	Min 4 oz	Min 6 oz	Min 10 oz	Min 14 oz
Untreated	37.44 Tons	91.1%	17.4%	30.9%	24.7%	18.2%
AquaVantage Treated	40.90 Tons	94.9%	10.2%	30.8%	26.9%	27.0%
Difference	+3.46 Tons	+3.8%	-7.2%	-0.1%	+2.2%	+5.8%

Compilation of 4 replicated plots in field 511

Mt Vernon, WA — Chieftan Red Potatoes

2.3 More Tons/Acre



GRADE OUT COMPARISON

	Untreated	AquaV Treated	Increase
Total Culls	0.0%	1.8%	+1.8%
<1 - 7/8"	3.1%	3.4%	+0.3%
1-7/8" to 2.25"	13.6%	22.4%	+8.8%
2.25" to 2.5"	22.7%	29.0%	+6.3%
2.5" to 2.75"	9.1%	13.3%	+4.2%
2.75" to 3.0"	36.6%	23.8%	-12.8%
3.0" to 3.25"	3.5%	3.3%	-0.2%
3.25" to 3.5"	8.9%	2.9%	-6.0%
>3.5"	2.5%	0.0%	-2.5%

GENERAL TRIAL INFORMATION

Grower: Sterling Potato

PCA: Marty Coble, Wilbur-Ellis Co.

Location: Mt Vernon, WA

Field ID: Frazier

Crop: Potatoes

Variety: Chieftan Reds

Rate of AquaVantage AV 16-30: 7 lbs per acre

Application: AquaVantage applied in furrow at planting

Harvest: Field trials were commercially harvested

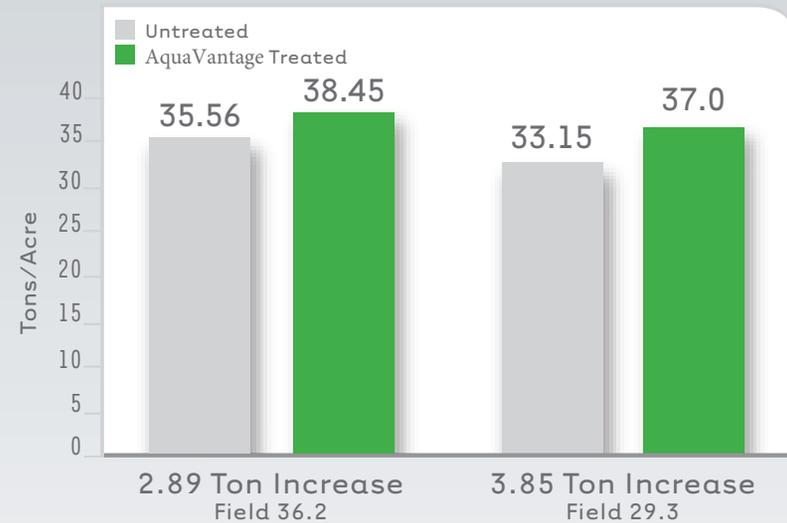
Quality Grades: Ag World Support Systems

Hermiston, OR — Russet Burbank Potatoes

2.89 and 3.85 More Tons/Acre



More Tons Per Acre



GENERAL TRIAL INFORMATION

Grower: Amstad Farms
PCA: Jerry Bateman, Pendleton Grain Growers
Location: Hermiston, OR
Crop: Potatoes
Variety: Russet Burbank
Rate of AquaVantage AV 16-30: 7 lbs per acre
Application: AquaVantage applied in furrow at planting
Harvest: Replicated trail samples were harvested by hand
Quality Grades: Ag World Support Systems

GRADE OUT COMPARISON

Field ID	Application	Total Usables	Total Culls	Min 4 oz	Min 6 oz	Min 10 oz	Min 14 oz
36.2	Untreated	86.10%	13.90%	24.20%	40.60%	15.30%	33.60%
	AquaVantage Treated	90.20%	9.80%	34.60%	38.60%	15.00%	8.00%
	Difference	4.10%	-4.10%	10.40%	-2.00%	-0.30%	-4.10%
29.3	Untreated	91.2%	8.8%	21.0%	34.2%	19.1%	16.9%
	AquaVantage Treated	89.2%	10.8%	18.6%	33.0%	21.1%	16.5%
	Difference	-2.0%	2.0%	-2.4%	-1.2%	2.0%	-0.4%



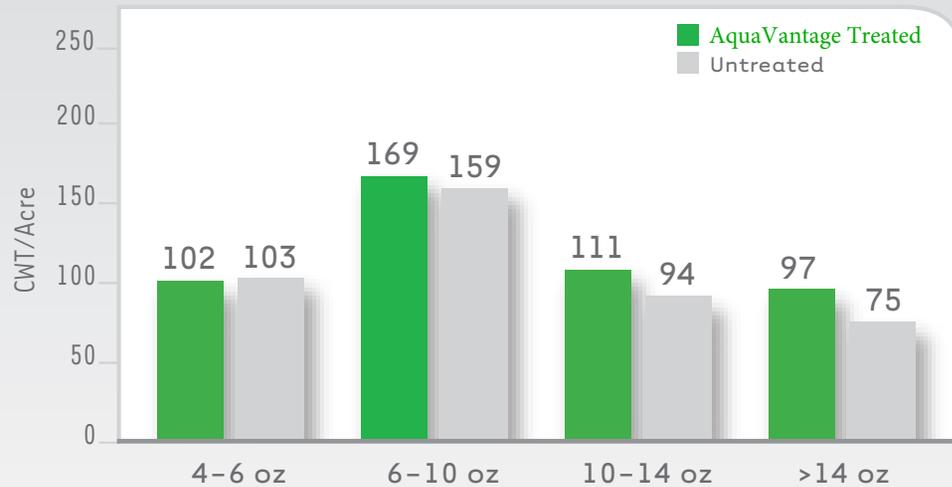
Potatoes – Idaho (2009 Summary)

\$328 Average Increase Per Acre Across Idaho in ≥ 4 oz Potatoes

More Useable Yield (Average of 10 fields)

AquaVantage	Untreated	Increase
480 CWT/Acre	427 CWT/Acre	53 CWT/Acre

GRADE OUT (AVERAGE OF 9 FIELDS)



	AquaVantage	Untreated	Increase
Average CWT/Acre ≥ 6 oz	377	328	49
Average CWT/Acre ≥ 10 oz	208	169	39

On average yield increases came from ≥ 6 oz potatoes

ESTIMATED RETURN PER ACRE (AVG OF 10 FIELDS)

Size Category	Market Value*	AquaVantage	Untreated
4-6 oz	\$8.00/CWT	\$816	\$824
≥ 6 oz	\$8.00/CWT	\$3,016	\$2,624

Gross Revenue/Acre	\$3,832	\$3,448
Revenue Increase	\$384	
ROI (minus AquaVantage)**	\$328 or 5.9X	

*2009 average processor pricing for grower storage
 ** \$8/lb cost basis of AquaVantage in 2009

PRODUCTION AREAS

Aberdeen, ID	Murtaugh, ID
Burley, ID	Orvada, NV
Idaho Falls, ID	Raft River, ID

Oregon, Washington, Idaho – Potatoes

27 Potato Applications Average a 7.4X ROI

2008 Avg Increase: 3.5 Ton/Acre (OR & WA) and 106 CWT/Acre (ID)



Oregon/Washington			
Location	Variety	Difference in Payable Tons/Acre	ROI (At \$120/Ton)
Hermiston, OR	Norkotah	6.52 Tons	13X
Hermiston, OR	Shepody	0.8 Tons	1X
Othello, WA	Ranger	5.74 Tons	11X
Royal City, WA	Russet	1.83 Tons	3.6X
Othello, WA	Red	5.45 Tons	10.7X
Warden, WA	Russet	2.9 Tons	5.2X
		3.07 Tons	5.6X
		2.46 Tons	4.3X
		3.51 Tons	6.5X
Pasco, WA	Shepody	5.1 Tons	9.9X
Matawa, WA	Norkotah	0 Tons	-
		5.1 Tons	9.9X
		3.65 Tons	6.8X
		4.39 Tons	8.4X
Quincy, WA	Norkotah	3.87 Tons	7.3X
		5.0 Tons	9.7X
Basin City, WA	Russet	3 Tons	5.4X
Moses Lake, WA	Alturas	0 Tons	-
	Russet	4.75 Tons	9.2X

Idaho			
Location	Variety	Difference in Payable CWT/Acre	ROI (At \$4.80/CWT)
Wilder, ID	Russet Ranger	25.78 CWT	1.2X
Parma, ID	Russet Ranger	205.41 CWT	16.6X
Aberdeen, ID	Russet Ranger	139.09 CWT	10.9X
Hazelton, ID	Russet Ranger	285.93 CWT	23.5X
Rupert, ID	Russet Ranger	49.78 CWT	3.3X
Buhl, ID	Russet Ranger	42.81 CWT	2.7X
Rexburg, ID	Russet Ranger	82.54 CWT	6X
Rexburg, ID	Russet Ranger	20.05 CWT	-



24 Potato Trials Average a 6X ROI

2007 Avg Increase: 3.6 Tons/Acre (OR & WA) and 67.5 CWT/Acre (ID)

Gower	Location	PCA	Variety	Difference in Tons/Acre	ROI At \$100/Ton At \$4.80/CWT	Key Difference
Marlin Hutterian Brethren	Odessa, WA	United Agri Products	Alturas & Russet Burbank	+0.59 Tons	1X	+6 oz, +10 oz and -3% Internal Damage
				4.5 Tons	8X	+10.9% Usables
Hale Farms	Hermiston, OR	Absorbent Technologies, Inc.	Umatilla & Shepody	+2.2 Tons (Avg)	4X	
Taggares Farms	Othello, WA	Wilbur-Ellis Co.	Shepody	-		+2.3% Usables
Sterling Potato	Mt. Vernon, WA	Wilbur-Ellis Co.	Chieftan Reds	+2 Tons	3.6X	+11% Usables
Andy Allred	Royal City	Saddle Mountain	Russet Burbank	+0.48 Tons	1.5X	+1.1% Usables, +6% in 6oz
Jack Jones	Mattawa, WA	Quincy Farm Chemical	Norkotas	+7.35 Tons	13X	+7% in 10 oz
Bair Farms	-	Cenex Harvest States	-	+8.67 Tons	15.5X	+9% in 4 oz
Undisclosed	Connell, WA	Wilbur-Ellis Co.	Russet Burbank and Ranger	+6.73 Tons	12X	+3% in 10 oz
				+3.5 Tons	6.3X	+9.6% Usables
Undisclosed	Hermiston, OR	Absorbent Technologies, Inc.	Russet Burbank	+1.5 Tons	2.7X	+7.2% Usables
			Premier	+2 Tons	3.6X	+3.8% Usables
			Russet Burbank	+7.83 Tons	14X	+5% in 14oz
Undisclosed	Othello, WA	Western Farm Service	Russet Burbank	+3.51 Tons	6X	+2.4% Usables
				+1 Tons	1.8X	+6.9% Usables
Amstad	Hermiston, OR	Pendleton Grain Growers	Russet Burbank	+3.85 Tons	7X	-1% Internal Damage
				+2.89 Tons	5X	+4.1% Usables
Stahl Hutterian Brethren	Hermiston, OR	Wilbur-Ellis Co.	Russet Burbank	+2.56 Tons	4.6X	+3.4% Usables
Grant 4-D Farms	Rupert, ID	Agriliance	Russet Burbank	+73.27 CWT	6.3X	+3% Usables, +7% in 14 oz
Jerome Wanders	Caldwell, ID	Wilbur-Ellis Co.	Ranger Russet	+36.78 CWT	3X	+10.8% Usables
Driscoll Brothers	Hagerman, ID	Progressive Growers	Russet Burbank	+145.87 CWT	12.5X	+13% in 14 oz, +6% in 4-6 oz
				+91 CWT	7.8X	+14.8% Usables
Undisclosed	Hammett, ID	Simplot Co.	Russet Burbank	+28.41 CWT	2.4X	1.3% Usables
Krown Farms	Aberdeen, ID	Simplot Co.	Russet Burbank	+29.87 CWT	2.6X	+22 CWT of US #1s > 4oz



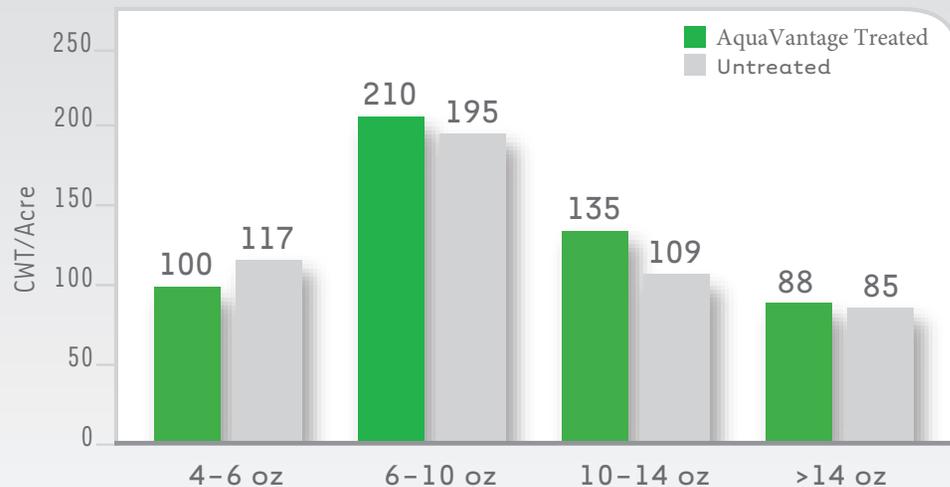
Potatoes – Burley, ID

\$160 Increase Per Acre in 4 oz and Greater Potatoes

More Useable Yield (≥4 oz)

<u>AquaVantage</u>	<u>Untreated</u>	<u>Increase</u>
533 CWT/Acre	507 CWT/Acre	26 CWT/Acre

GRADE OUT



ESTIMATED RETURN PER ACRE

Size Category	Market Value*	Zeba	Untreated
4-6 oz	\$8.00/CWT	\$800	\$936
≥ 6 oz	\$8.00/CWT	\$3,464	\$3,112

Gross Revenue	\$4,264	\$4,048
Revenue Increase	\$216	
ROI (minus AquaVantage)**	\$160 or 2.9X	

*2009 average processor pricing for grower storage
 ** \$8/lb cost basis of AquaVantage in 2009

GENERAL TRIAL INFORMATION

Cooperators: Orllo Kidd, Happy Plants Inc.

Location: Burley, ID

Crop: Potatoes

Variety: Russet Burbank

Rate of AquaVantage AV 16-30: 7 lbs per acre

Application: In-furrow at planting

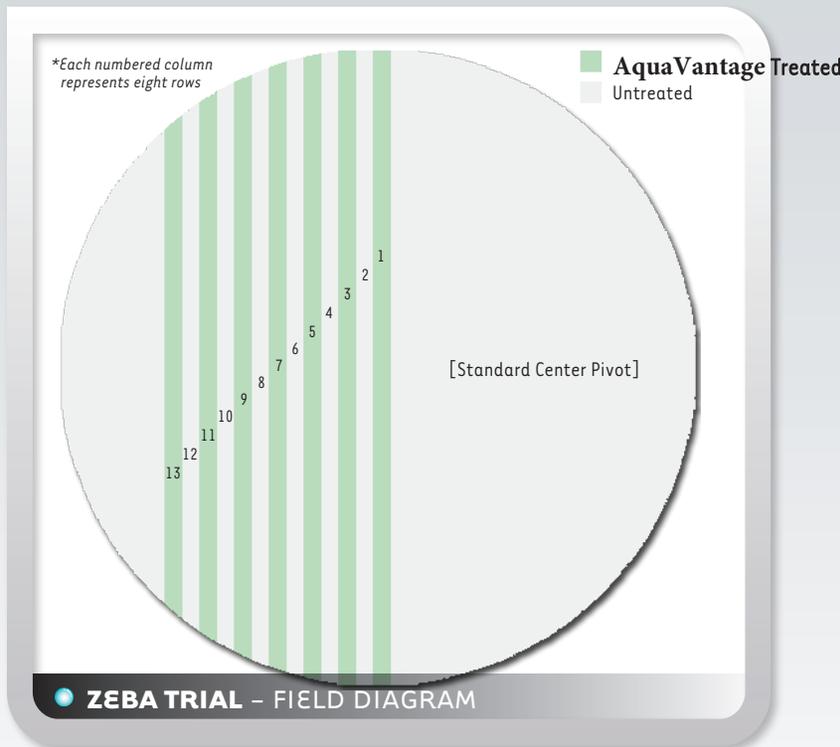
Harvest Date: 10/12/09

Data Collection: RKS Consulting.
 4 replicated hand digs in treated and untreated areas of a commercial field.



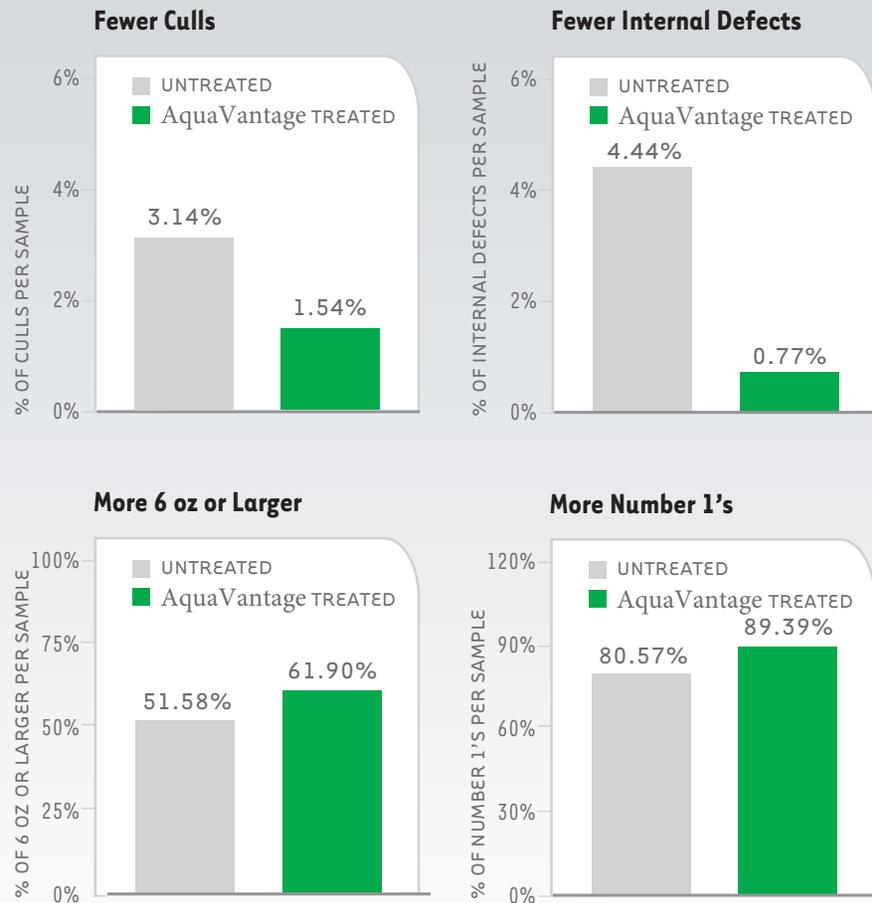
\$669 increase per acre in total revenue

AquaVantage® drives increase in quality



AquaVantage® was applied on Marlin Hutterian Brethren commercial field to determine yield and quality of AquaVantage® treatments for potatoes in Odessa, Washington. Quality and yield improvements generated an additional \$669.28 per acre in revenue and an additional \$613.28 per acre in profit.

SEE TRIAL DATA ON REVERSE SIDE →





Potato Quality Increased at Marlin Hutterian Brethren Trial *(continued)*

GENERAL INFORMATION Cooperator:

Marlin Hutterian Brethren **Location:**
Odessa, WA

Crop: Russet Burbank Potatoes

Rate of AquaVantage AV 16-30:

7 lbs per acre

APPLICATION

Seven passes with an eight row planter were treated with AquaVantage. Each AquaVantage treated area was accompanied by an untreated area. See field diagram on reverse side. GPS equipment was used during planting to identify AquaVantage treated and untreated strips.

SAMPLING METHOD

Each AquaVantage treated and untreated area was harvested for total yield and grade. GPS equipment was used during harvest to match AquaVantage treated and untreated rows.

RESULTS AquaVantage treated areas showed a yield increase of .75 tons/acre over untreated areas. Quality measurements of AquaVantage treated areas were significantly better than untreated areas. (See table below) With these quality improvements, AquaVantage treated areas generated an additional \$669.28 per acre in revenue and an **additional \$613.28 per acre in profit**.

QUALITY RESULTS			
	% TREATED	% UNTREATED	% Change
Internal Defects	0.77%	4.44%	82% Decrease
Culls	1.54%	3.14%	51% Decrease
Bruise Potatoes	32.17%	33.46%	6.7% Decrease
6 oz or larger	61.90%	51.58%	17% Increase
Percent Number 1's	89.39%	80.57%	10% Increase
Payables	90.17%	81.89%	9% Increase

YIELD RESULTS			
AquaVantage TREATED		UNTREATED	
Row #	Tons/Acre Equivalent	Row #	Tons/Acre Equivalent
1	39.8	2	38.9
3	39.6	4	38.3
5	38.6	6	38.3
7	40.58	8	39.33
9	39.15	10	39.84
11	40.65	12	39.21
13	39.84	-	-
Avg	39.74	Avg	38.99

Source: Marlin Hutterian Brethren, 2006
McCain Foods USA, Grower Storage Inspection 2006



Caldwell, ID — Ranger Russet Potatoes

10.8% Increase in US #1 and 4.4% Fewer Culls

GENERAL TRIAL INFORMATION

Grower: Jerome Wanders

PCA: Bob Huzinga

Cooperator: RKS Consulting

Location: Caldwell, ID

Crop: Potatoes

Variety: Ranger Russet

Rate of AquaVantage AV 16-30: 7 lbs per acre

Application: AquaVantage applied in furrow at planting

Harvest: Commercial Harvest Comparison

TRIAL RESULTS

	Field Weight	% Usable	Usable Yield/Acre	
Untreated	424.62 CWT/Acre	80.1	340.12 CWT	
AquaVantage Treated	423.96 CWT/Acre	88.9	376.90 CWT	
		Increase	36.78 CWT	10.8%

GRADE OUT COMPARISON

	% Cull	% <4 oz	% 4-6 oz	% 6-10 oz	% 10-14 oz	% 14 oz +
Untreated	4.4	15.5	28.9	33.4	11.1	6.7
AquaVantage Treated	0	11.1	25.5	31.1	22.2	10.0
Difference	-4.4	-4.4	-3.4	-2.3	+11.1	+3.3



Potatoes – Idaho Falls, ID

\$312 Increase Per Acre in 4 oz and Greater Potatoes

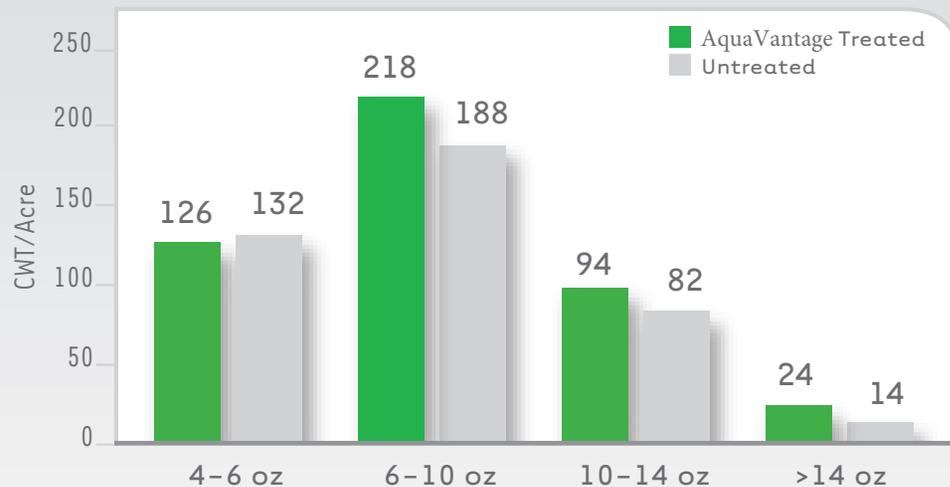
More Useable Yield (≥4 oz)

AquaVantage
463 CWT/Acre

Untreated
416 CWT/Acre

Increase
47 CWT/Acre

GRADE OUT



ESTIMATED RETURN PER ACRE

Size Category	Market Value*	AquaVantage	Untreated
4-6 oz	\$8.00/CWT	\$1,008	\$1,056
≥ 6 oz	\$8.00/CWT	\$2,688	\$2,272

Gross Revenue	\$3,696	\$3,328
Revenue Increase	\$368	
ROI (minus AquaVantage)**	\$312 or 5.6X	

*2009 average processor pricing for grower storage
 ** \$8/lb cost basis of AquaVantage in 2009

GENERAL TRIAL INFORMATION

Cooperators: Kelly Mecham,
Valley Agronomics

Location: Idaho Falls, ID

Crop: Potatoes

Variety: Russet Burbank

Rate of AquaVantage AV 16-30: 7 lbs per acre

Application: In-furrow at planting

Harvest Date: 9/26/09

Data Collection: RKS Consulting.
4 replicated hand digs in treated and untreated areas of a commercial field.

Pacific Northwest

Here's what potato growers are saying...



"We've had positive results from Zeba on every circle we've ever used it on. We are shown a lot of products and we test a lot. Some don't show positive results and we drop these. But in this case, we've had positive results so we will continue to use Zeba."

- *Bob Hale, Hale Farms*

"We get hit by a lot of different people wanting us to try a lot of different things. We were surprised by the Zeba. We're show-me people, we don't accept product claims on face value. If we can see a product works, though, then we're more apt to use it."

- *Larry Lankford, Progressive Growers*

"We were up anywhere from one-half a ton to a ton and a half, depending on the plot. We'll be testing some more next year."

- *Jerry Gross, Marlin Hutterian Brethren Farms*

"I was pretty happy with Zeba, I wish other new products I've tried worked out this well. Some of them went south on me in the past. This was a pleasant surprise. Next year I plan on using Zeba on everything."

- *Darel Kohn, Harvest Fresh Farms*

"You get another \$10 to \$15 a ton out of it and that's a big deal when you're digging 40-ton spuds. The proof is in the grade and in the final yield, and Zeba did increase the yield and it did increase the grade."

- *Jason Baumberger, United Agri Products*

"We've had no problems with the application."

"With application costs running about \$56 an acre, Zeba pays for itself many times over."

"We would have expected that we would have some negatives in these tests, it's pretty rare for one of these products to have a positive effect 100% of the time across the board."

- *Jeff Mason, Hale Farms*

"In every case, we saw a benefit, not always on the yield side, but certainly on the quality side."

- *Ron Schafer, Independent Crop Consultant*

"I was so impressed with Zeba after using it in 2004, I'm using it commercially myself. I think it's going to work across potato varieties and I think it's going to work across crops. It's obvious when you're out digging potatoes, you can see the difference"

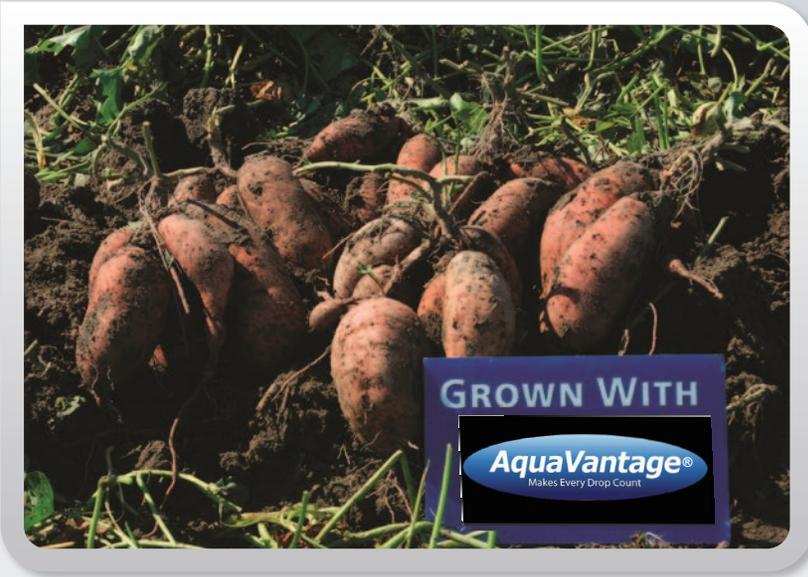
"I think the reason Zeba works is it ensures an even flow of moisture availability in the soil to the plant. It's not rocket science, it holds moisture that normally would evaporate or leach into the soil profile and provides that to the plant."

"In two years of research plots and a third year where I looked at yield in commercial fields, Zeba was effective at increasing yield and quality. I believe in the product."

- *Alan Schreiber, Agricultural Development Group*

Benson, NC – Sweet Potatoes

\$962 More Per Acre in Sweet Potatoes



GENERAL TRIAL INFORMATION

Grower: Jeffery Lee Farms
Cooperator: Reliable Farm Data Research Inc.
Location: Benson, NC
Crop: Sweet Potatoes
Varieties: Covington
Rate of AquaVantage AV 16-30: 8 lbs per acre
Application: AquaVantage was applied at planting.
Rep Size: 25 plants per plot

FIELD #2 - RESULTS

VALUE PER ACRE

	Value/ Acre*	Boxes/Acre		Increase
		Untreated	Treated	
US #1 (per 40 lb box)	\$9.00	894	1,008	114
Jumbo (per 40 lb box)	\$2.00	146	72	-74
Canners (per CWT)	\$6.00	54	67	13
Value/Acre	-	\$8,660	\$9,622	\$898
Projected Yield/Acre	-	46,941	49,920	2,980
% Yield Increase	6.35 %	-	ROI	14X

*Market price at time of harvest (9/18/08)

	US #1	Jumbo	Canner	Total
Untreated				
Rep 1	64.4	9.5	13.5	87.4
Rep 2	69.5	8.5	7.5	85.5
Rep 3	71.5	15.5	9.5	96.5
Total	205.4	33.5	30.5	269.4
% Grade	76.2 %	12.4 %	11.3 %	100 %
AquaVantage Treated				
Rep 1	73.5	11.5	11.5	96.5
Rep 2	77.5	2.5	13.5	93.5
Rep 3	80.5	2.5	13.5	96.5
Total	231.5	16.5	38.5	286.5
% Grade	80.8 %	5.8 %	13.4 %	100 %



Benson, NC – Sweet Potatoes

\$1,964 More Per Acre in Sweet Potatoes



GENERAL TRIAL INFORMATION

Grower: Jeffery Lee Farms

Cooperator: Reliable Farm Data Research Inc.

Location: Benson, NC

Crop: Sweet Potatoes

Variety: Covington

Rate of AquaVantage AV 16-30:

8 lbs per acre

Application: AquaVantage was applied at planting.

Rep Size: 25 plants per plot

FIELD #1 - RESULTS

	US #1	Jumbo	Canner	Total
Untreated				
Rep 1	38	5.5	12.5	56
Rep 2	84	11.5	14.5	110
Rep 3	58.5	6.5	11.5	76.5
Rep 4	56.5	18.5	12.5	87.5
Total	237	42	51	330
% Grade	71.8 %	12.7 %	15.5 %	100 %
AquaVantage Treated				
Rep 1	49	9.5	16.5	75
Rep 2	89	19.5	7.5	116
Rep 3	77.5	34	10.5	122
Rep 4	83	3.5	16	102.5
Total	298.5	66.5	50.5	415.5
% Grade	71.8 %	16.0 %	12.2 %	100 %

VALUE PER ACRE

	Value/Acre*	Boxes/Acre		Increase
		Untreated	Treated	
US #1 (per 40 lb box)	\$9.00	774	975	201
Jumbo (per 40 lb box)	\$2.00	137	217	80
Canners (per CWT)	\$6.00	67	66	-1
Value/Acre	-	\$7,643	\$9,607	\$1,900
Projected Yield/Acre	-	43,125	54,298	11,173
% Yield Increase	25.9 %	-	ROI	29.7X

*Market price at time of harvest (9/18/08)