



# Dry Beans With AquaVantage®

- AquaVantage at planting improves germination for more even stand establishment. Plants are healthier and flower more evenly with strong pod set and fill.
- AquaVantage **AV 16-30** should be applied at 4 lbs. per acre, in furrow, with bean seed.
- AquaVantage works well under all types of irrigation and in dryland applications as well.
- 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** is the right formulation for all dry bean growers.
- AquaVantage has no toxic components and biodegrades in the soil like plant residues.



Buhl, ID – Dry Beans

# \$125.40 Return Per Acre with AquaVantage®

## GENERAL TRIAL INFORMATION

**Grower:** Roland Koehn

**Cooperator:** Bob Linderman, Valley Agronomics LLC

**Location:** Buhl, ID

**Crop:** Pinto dry beans

**Variety:** Montrose

**Rate** aX3cgSHS` fSYW3H#( 2%: 3 lb per acre

**Planting Date:** May 2009

**Application:** Applied in furrow at planting

**Harvest Date:** September 2009. 16 double rows were harvested per test strip.

## RESULTS

	AquaVantage	
	Untreated	Treated
Pounds/Rep	887	950
	860	1006
CWT/Acre	28.02	30.01
	27.17	31.78
Ave CWT/Acre	27.60	30.90
<b>Yield Increase</b>	<b>3.3 CWT/Acre</b>	
<b>ROI</b> (less cost of AquaVantage)	<b>\$125.40/Acre</b> <b>4.2X</b>	

**Market Price at Time of Harvest:** \$38/CWT



"AquaVantage has made a real difference on all my bean acres, with better uniform emergence, early growth, and overall plant development throughout the season," said Roland Koehn, Grower. "I used AquaVantage on all my bean acres this year, leaving only a small area as a check. AquaVantage proved itself with a significant yield increase at harvest."



Wilder, ID – Dry Beans

# \$181.40 More Per Acre With AquaVantage®



● UNTREATED



● AquaVantage TREATED - BETTER UNIFORMITY

## GENERAL TRIAL INFORMATION

**Researcher:** RKS Consulting

**Cooperator:** Treasure Valley Seed Co, LLC and Crop Production Services

**Location:** Wilder, ID

**Crop:** Dry Bean

**Variety:** Eclipse

**Rate of AquaVantage AV 16-30 :**

5 lbs per acre

**Application:** AquaVantage was applied in furrow at planting

**Row Spacing:** 30 inch double rows

**Irrigation:** Rill

**Harvest Method:** Yield results from commercial harvest. Two rows harvested per rep.

## RESULTS

	Area Harvested (Acre)	Bin Number	Net Wt/Rep	Yield CWT/Acre
Untreated 1	0.6607	TVS6470	1668	25.24
Untreated 2	0.6671	TVS6877	1944	29.14
Average yield CWT/ac				27.19
AquaVantage 1	0.6079	TVS6320	1825	30.02
AquaVantage 2	0.6230	TVS6328	2083	33.43
Average yield CWT/ac				31.73
<b>CWT/Acre Increase</b>				<b>4.54</b>
<b>ROI</b> (Less cost of AquaVantage)				<b>\$181.40</b> <b>3.5X</b>



Redmond, OR — Dry Beans

# 17.1% Yield Increase



SEE TRIAL DATA ON REVERSE SIDE →



## GENERAL TRIAL INFORMATION

**Grower:** Big Falls Ranch

**Cooperator:** Kurt Farris, Round Butte Seed Growers **Location:** Redmond, OR

**Crop:** Dry beans for seed production

**Variety:** Small Pinks

**Rate of AquaVantage AV 16-30:** 3.6 lbs per acre applied in furrow

**Planting Date:** May 25, 2007

**Photo Date:** July 19, 2007

**Harvest:** 300 ft samples commercially harvested

**Quality Grades:** Kelley Bean Company

## TRIAL RESULTS

### AquaVantage

	Untreated	Treated	% Increase
Yield/Acre	2,182 lbs	2,485 lbs	13.9%
Usable Yield	1,859.88 lbs	2,178.36 lbs	17.1%

- 2,000 lbs/acre = field average
- Trial results were based on replicated treated and untreated comparisons

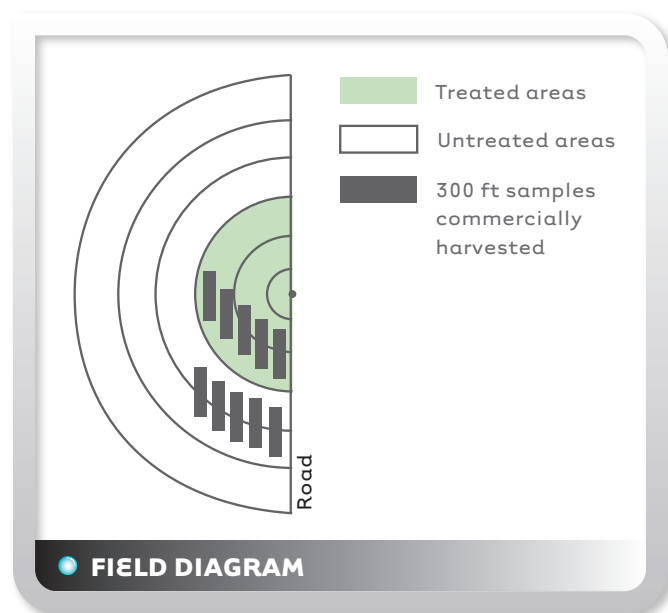
## TESTIMONIAL

"The AquaVantage treated section did not seem to suffer bloom drop, or pod drop, like I saw in the untreated section. That means the availability of water kept the plants in better shape through the heat. AquaVantage kept a more consistent supply of water in the root zone. I saw a larger plant structure, which tells me water was more consistently available."

- Earl Stoker, Kelley Bean Co.

## RETURN ON AquaVantage INVESTMENT

- \$27/100 LBS = Contract price
- \$86 increase over untreated rows
- \$86 minus 28.80 (cost of AquaVantage) = \$57.20 ROI or 1.98X ROI





Othello, WA — Dry Beans

# 4.46 More Hundred Weight With AquaVantage®

## GENERAL TRIAL INFORMATION

**Grower:** George Colley

**Cooperator:** Karl DeRuwe, WFS  
Kelley Bean Company

**Location:** Othello, WA

**Crop:** Dry Beans

**Variety:** Pinks

**Irrigation:** Furrow

**Rate of AquaVantage AV 16-30:** 4 Lbs per acre

**Application:** AquaVantage was applied in furrow with bean seed

**Harvest:** Replicated commercial harvest



## RESULTS

	CWT/Acre	Net Lbs	Feet	Acre
Untreated 1	43.58 CWT	1,181	786	0.271
Untreated 2	39.27 CWT	1,021	754	0.259
Untreated 3	36.27 CWT	902	722	0.249
AquaVantage 1	45.06 CWT	1,487	941	0.330
AquaVantage 2	44.22 CWT	1,486	978	0.336
AquaVantage 3	43.23 CWT	1,470	985	0.339
Ave Untreated	39.71 CWT	1,035	-	-
<b>Ave Zeba</b>	<b>44.17 CWT</b>	<b>1,481</b>	<b>\$146.40/Acre</b> <b>4.6X ROI</b> (At \$40/CWT)	
<b>Ave AquaVantage Increase</b>	<b>+4.46 CWT</b>	<b>446</b>		

## FIELD DIAGRAM

