

AZOMITE[®] SNAPSHOT

ORGANIC POTATOES



Above: Potatoes from the Grower's Standard fertilizer program. Groups of potatoes by weight, clockwise from upper left, 0-2 oz., 2-4 oz., 4-6 oz., 8-10 oz.



Above: Potatoes with AZOMITE at 300 lbs/ac. Groups of potatoes by weight, clockwise from upper left, 0-2 oz., 2-4 oz., 4-6 oz., 8-10 oz., and 6-8 oz.

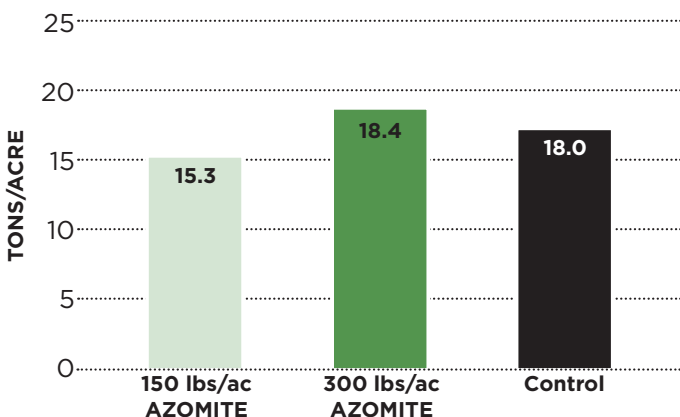


FRESH MARKET ORGANIC RED POTATOES were grown on a farm field in Moses Lake, WA., where AZOMITE granular treatments were broadcast pre-plant at two rates of 150 and 300 lbs/acre on April 1, 2017, in four replicates in a randomized complete block design, in 6,000 square-foot plots. All plots had 25 ton/ac of feedlot manure incorporated in the fall as the standard fertilizer for this crop, which provided 90 lb/ac N, 20 lb/ac P, and 105 lb/ac K. The control plots received no AZOMITE.

AZOMITE[®] BENEFITS AT A GLANCE

- Yield was highest in the AZOMITE 300 lbs/ac treatment plot, at an average of 18.4 tons/ac.
- This was statistically higher than AZOMITE at 150 lbs/ac, which yielded 15.3 tons/ac.
- AZOMITE at 300 lbs/ac boosted gross profit by \$384/ac over the control, the grower's usual program.
- AZOMITE at 300 lbs/ac also had heavier potatoes than the control, with more tubers at 4+ oz.
- In nearly all metrics, AZOMITE at 300 lbs/ac beat the low rate of AZOMITE at 150 lbs/ac.

Yield, Red Potatoes, Washington



Potato Size

AZOMITE appeared to increase tuber bulking and reduce the number of small "C" size potatoes:

| Treatment | Diameter (inches) | Size A (%) | Size B (%) | Size C (%) |
|------------|-------------------|------------|------------|------------|
| 150 lbs/ac | 1.97a | 10a | 72a | 18a |
| 300 lbs/ac | 2.1a | 12a | 74a | 14a |
| Standard | 2.01a | 11a | 68a | 21a |

For each treatment, the average diameter of individual potatoes is shown. Size categories for round red varieties are displayed as well, with percent of each treatment falling into A, B, and C. Values followed by the same letter indicate no significant difference (ANOVA, $\alpha = 0.10$) **Size A:** indicates 40% of tubers are 2.5 inches or greater. **Size B:** indicates between 1.5 and 2.25 inches. **Size C:** indicates less than 1.5 inches.



AZOMITE®

NATURAL MINERALS FOR PLANTS & SOIL

WHAT IS AZOMITE?

AZOMITE is a uniquely natural mineral product mined in central Utah, USA. For more than 70 years, crop producers have used AZOMITE to support plant growth and vitality. AZOMITE is OMRI and CDFA listed for use in certified organic production.

BENEFITS OF AZOMITE

Accredited research and customer testimony report that AZOMITE can:

- Increase crop yield, grade out and quality
- Improve color and quality in turf and ornamentals
- Increase nutrient availability in the soil and uptake in plants
- Improve a plant's natural ability to handle stress, while increasing capacity to withstand drought and temperature fluctuations.
- Be used alone or blended with other fertilizers any time of year, with any application method.

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