

OBJECTIVE

Compare the yield results on a foliar application of Solubor (1 lb/ac) vs Fertileader Gold (1 qt/ac) on American Hybrid (Aurore) Wine Grapes

Site Location:
Finger Lakes, NY

Researcher:
Alexander Duffy
National Product Manager, Timac Agro USA

STUDY INFORMATION

| | |
|---------------|--------------------------------|
| Planting Date | 10+ Leaf |
| Harvest Date | Aug. 2018, Aug. 2019 |
| Hybrid | Aurore (American Hybrid Grape) |
| Population | 680 Vines/acre |
| Trial Design | Strip block |

TIMAC AGRO PRODUCT



KEY FINDINGS

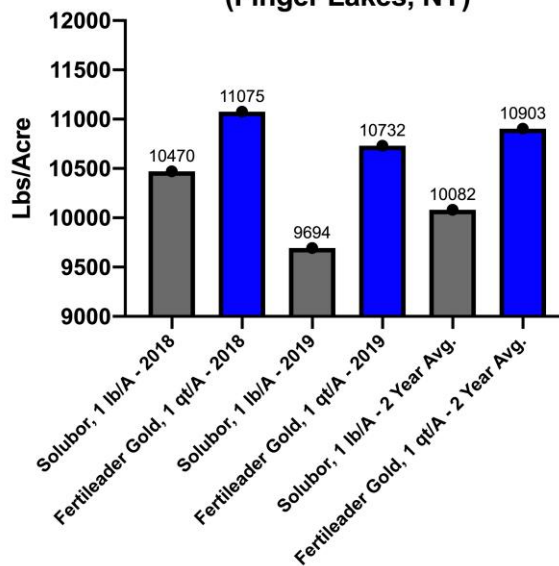
+821 lbs/ac

More than Solubor Treatment,
2-Year Study Average

ROI:
\$152.12/ac

Graph: Foliar spray of Fertileader Gold at bloom improved yield by an average of 821 lbs over 2-years. The Gross Revenue above was calculated at \$0.20/lb for American Hybrid grapes with Fertileader Gold retail cost of \$48.25/gallon.

2 Year Bloom Spray Treatment Comparison on Aurore Variety, American Hybrid Grape Yield (Finger Lakes, NY)



APPLICATION

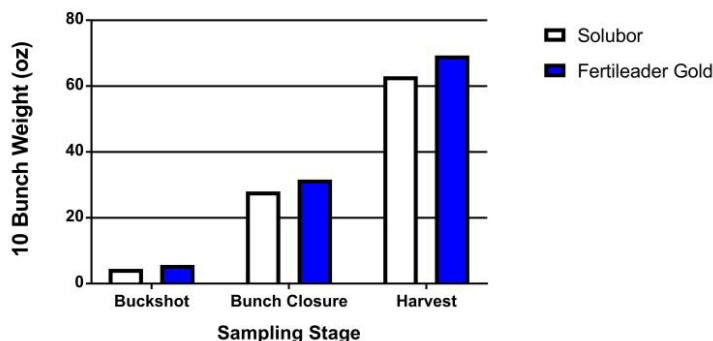
| Treatment | Application Rate | Timing |
|------------------|------------------|--------|
| Solubor | 1 lb/ac | Bloom |
| Fertileader Gold | 1 qt/ac | Bloom |

2018 DETAILED STUDY RESULTS

Trial ID: RT-20-NE-GRA-FLGO



Weight of 10 Aureore Bunches at Three Sampling Times



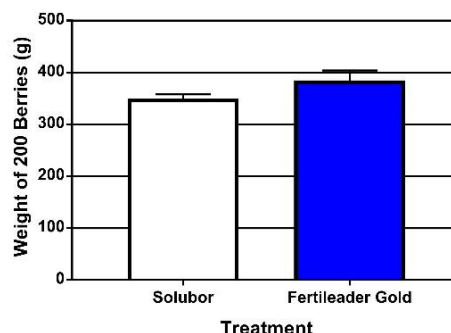
Graph 1 & Picture 1 (ABOVE): Graph 1 shows the bunch weights of treated and control at three sampling times through the season. Picture 1 demonstrates what the bunches looked like at the first sampling time.

At harvest the treated block was divided into 4 replications. Inside of the four replications, 10 random bunches were harvested and evaluated on ten bunch weight, ten bunch length, weight of 200 berries and brix of the juice from the 200 berries. The results are as follows.

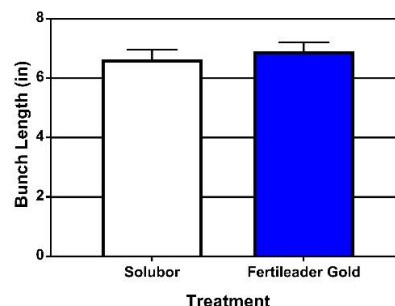
Graph 2, 3 & 4 (RIGHT): Graph 2 shows the average weight of 200 berries (20 from 10 bunches, in 4 replications). The Fertileader Gold application increased berry size. Graph 3 demonstrates the average length of the ten bunches in the 4 replications. Fertileader Gold slightly increased bunch length. There was no significant difference in either treatment. Graph 4 shows the brix measurement taken from the 200 berries. Gold increased the brix, however there was no significant difference.

The bunch weights at the 3 sampling dates consistently showed increased weights. Looking at Picture 1, it is worth noting the improved fruit set and less shot berries. This is likely what caused the increase in weight. When looking at the replicated hand harvest, an increase in individual berry size was observed. There was a slight increase in bunch length and overall brix. The Fertileader gold treatment had effects on all the parameters measured in the hand harvest.

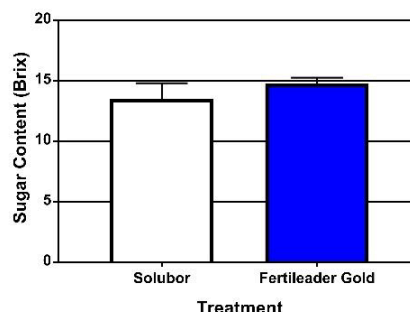
Treatment Effects on Aureore Grape Berry Size at Harvest



Treatment Effects on Aureore Grape Bunch Length at Harvest



Treatment Effects on Aureore Grape Sugar Content at Harvest



Author:

Alex Duffy, National Product Manager
 aduffy@timacusa.com 484-869-3043 (please contact if further information is needed)

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