

# Transit Soil® on Table Grapes

Size, Sugar & Nutrient Content

MAX Agricultural Consultants Inc.  
Commercial Field Trial Richgrove, California



## RESEARCH SUMMARY

MAX Agricultural Consultants Inc. conducted a field trial on red globe table grapes in Richgrove, California. The goal of the trial was to see if 3 applications of **Transit Soil®** could improve the yield and size of the grapes.

The **Transit Soil** treated blocks yielded more boxes per acre according to the harvest foreman. Unfortunately it was not possible to get an exact count of the difference. However, it was possible to randomly sample representative bunches from the treated versus grower standard plots in the commercial field trial.

An analysis was made of average size of the berries. **FIGURE 1** shows the dramatic improvement in berry size. Packers can charge more for bunches that have more consistent and greater size berries like those of the **Transit Soil** treated grapes.

## RESULTS

**More Cartons Per Acre**

**Dramatic Increase in Berry Size**

**7.2% Higher Brix (Sugar)**

**Increased Iron, Copper & Boron levels in the Grapes**

## TREATMENTS

**Grower Standard vs**

**3 Applications of Transit Soil**

**12 oz/acre 2-3 Weeks After Bud-Break**

**12 oz/acre at Early Bloom**

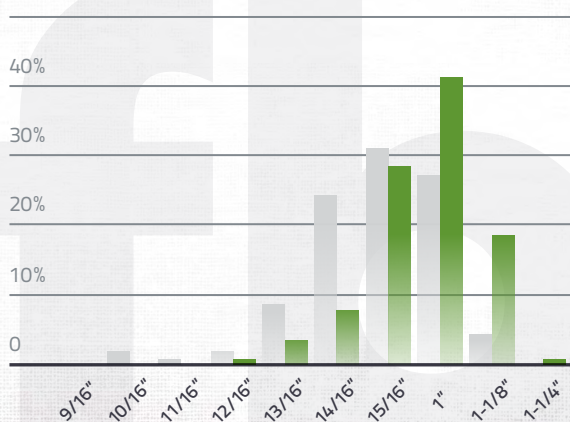
**12 oz/acre at Early Sizing of the Grapes**

The sugar content of red globe was significantly enhanced as a result of the **Transit Soil** applications. **FIGURE 2** shows the average sugar contents of treated and non-treated grapes. Brix levels increased in response to the **Transit Soil** applications by over 7%.

An analysis of the mineral nutrient content of the grapes showed that in spite of the size increase, the nutrient content of the **Transit Soil** treated grapes was not diminished. In fact the Iron, Copper and Boron levels in the grapes treated with **Transit Soil** increased by 8-9%.

Grape Size	Grower Standard	Transit Soil
9/16"	0	0
10/16"	1.33	0
11/16"	0.67	0
12/16"	1.33	0.67
13/16"	8.67	3.33
14/16"	24.33	8
15/16"	31.67	28
1"	27.33	41.33
1-1/8"	4.67	18.33
1-1/4"	0	0.33

**FIGURE 1**  
**BERRY SIZE IMPACT**  
Richgrove, CA



**FIGURE 2**  
**SUGAR LEVELS**  
Richgrove, CA

