

### Experiment Info:

Planted:
Harvest:
Yield Goal:
Target Fert.:
Variety:
Population:
Row Width:
Prev. Crop:
Plot Size: 4' x 10'
Replications: 5

### Soil Test Values (ppm):

pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

### Objective:

To see if application of C-Tech would have a positive effect on yield of organically grown summer strawberries.

C-Tech is a biologically enhanced product for improvement of soil health, and is OMRI certified for use in organic crops. This experiment was conducted in a field of organic strawberries in the summer of 2017. The crop is referred to as Summer Berries. The field was just coming into production when the C-Tech was applied at the recommended rate of 2 qt/A. The 4 x 10 foot plots in the field each contained 30 plants. The C-Tech would normally be applied through drip tape irrigation. To simulate this, the appropriate amount of C-Tech per plant was applied with a syringe, applying the C-Tech dissolved in 30 ml water as 15 ml on two sides of each plant. The first harvest was two weeks after application in order to allow for the C-Tech biologicals to become active. At that time, harvests were collected every 4 to 5 days based on when the grower was harvesting. Data for five harvests was collected for evaluation. Yield data appear in the table below.

### Effect of C-Tech on Yield of Summer Strawberries (lb/A)

SGS North America. Santa Maria, CA. 2017

Harvest date:	6/23	6/28	7/3	7/7	7/11	total
C-Tech	998.9	2833.5	3342.6	3376.2	3150.5	13,701.8
check	936.5	2823.9	2972.8	3371.4	2771.1	12,875.8
difference:	62.4	9.6	369.8	4.8	379.4	826 (+6.4%)



### Conclusions:

- In just over a month following application, the C-Tech resulted in an extra 826 lb/A of strawberries, which was a 6.4% increase over the check. This would have been much higher over the entire season as picking continued into the fall.
- The pattern of yield increase was unusual as the larger increases seemed to alternate over the five harvests.
- In the picture nearly a month following the C-Tech application, the treated plants appear to be larger, greener and more robust than the check plants. This is supported by increased strawberry production.
- The yield increase from C-Tech would be a beneficial addition to any strawberry program, organic or otherwise.