



## 2022 Plant Sciences & OrganicsRx Trial OrganicsRx Supergrow vs. Can-17

Start Date: April 4<sup>th</sup>, 2022

End Date: September 1<sup>st</sup>, 2022

San Andreas Strawberries, In-Ground  
Watsonville, California

Mike Nelson, Chief Scientific Officer

Luis Rodriguez, Research Farm Manager Samuel

Estrada, Research Assistant

Kathleen Hiraga, OrganicsRx Research Client

official  
**ORGANICSRx®**  
**SUPERGROW**

ANIMAL  
PRODUCT  
FREE



7-6-6

WATER SOLUBLE • NON-TOXIC

**GUARANTEED ANALYSIS**

Total Nitrogen (N).....7.0%  
6.0% Water Soluble Nitrogen  
1.0% Water Insoluble Nitrogen  
Available Phosphate (P<sub>2</sub>O<sub>5</sub>) ..... 6.0%  
Soluble Potash (K<sub>2</sub>O) ..... 6.0%  
Magnesium (Mg) ..... 1.0%  
Sulfur (S) ..... 1.0%

DERIVED FROM: CORN STEEP LIQUOR, SOY PROTEIN HYDROLYSATE,  
SEAWEED EXTRACT (Ascophyllum nodosum and Potassium Hydroxide\*),  
CALCIUM CARBONATE, MAGNESIUM SULFATE, COPPER SULFATE,  
FERROUS SULFATE, MANGANESE SULFATE, ZINC SULFATE

\*Potassium Hydroxide as an extractant

**Compatibility:** Supergrow is compatible with most fertilizers, plant nutrients and pest control products. For best results, it is recommended that a physical and plant compatibility test be conducted before use.

**Storage:** Store in a cool, dry place away from moisture. Tightly reseal opened bags or sacks.

**Expiration:** Official OrganicsRx products when stored correctly can be applied for up to 2 years from the purchase date.

**Handling:** Official OrganicsRx products are non-toxic and considered safe when in contact with skin. Wash exposed skin after prolonged handling with warm soapy water. May be harmful if swallowed. Not for human or pet consumption.

Manufactured in the USA  
Guaranteed by: Official OrganicsRx  
P.O. Box 7208 • Ann Arbor, Michigan 48107  
[www.organicsrx.com](http://www.organicsrx.com)

Official OrganicsRx Supergrow fertilizer is a non-toxic, OMRI listed, dry water-soluble powder with no animal waste added. Our products are packed full of essential nutrients that helps support growing higher yields of vegetables, herbs, fruit, flowers, trees, turf and orchids. Designed as a one-step application for in-ground, container, drip, foliar spray, greenhouse and hydroponic growing.

**Commercial Suggested Applications:** We suggest a materials compatibility test determined from soil, plant tissue analysis or sap analysis per fertilizer program. **Instructions:** Measure desired amount of Supergrow water-soluble powder into vessel before adding water. Add water and agitate vigorously until powder is dissolved. The product will oxygenate for up to 1-2 minutes depending on method of mixing. For indoor and outdoor use year-round.

**Home Garden & Greenhouse Suggested Applications:** **Instructions:** Measure 2 teaspoons of Supergrow water-soluble powder per 1 gallon of water. Add water and agitate vigorously until powder is dissolved. The product will oxygenate for up to 1-2 minutes depending on method of mixing. We suggest feeding 1-2 x per week for optimal results. For indoor and outdoor use year-round.

**For Hydroponic Vegetables & Fruit:** We suggest a materials compatibility test determined from plant tissue analysis and based on the method of hydroponic growing. **Instructions:** Measure desired amount of Supergrow water-soluble powder, pour into reservoir and agitate until dissolved. The product will oxygenate for up to 1-2 minutes depending on method of mixing. The application of Supergrow fertilizer should be based on hydroponic growers' program.



☐ Net wt. 1.25 lb (0.56 kg)

☐ Net wt. 50 lb (22.68 kg)

☐ 1 pallet Net wt. 2,000 lb (907 kg)

☐ Net wt. \_\_\_\_\_ lb (\_\_\_\_\_ kg)

NOTICE OF WARRANTY — Official OrganicsRx warrants that the product conforms to its material descriptions as is reasonable for the purposes stated on the label when used in accordance with directions under normal conditions of use. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other material or manner of use or application, all of which are beyond the control of Official OrganicsRx. In no case shall Official OrganicsRx be liable for consequential, special or indirect damages resulting from the use or handling of this product.

CAUTION: Avoid ingesting. Product is non-toxic and non-flammable. Will not damage soil, roots, plants or foliage if used as directed on label. The product is not designed for human consumption. NOTICE: Buyer assumes all responsibility for safety and use not in accordance with label directions.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>.

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**Introduction:**

With the increased cost of fertilizers and new imposed regulations, growers are trying to find the most efficient fertilizers that are less susceptible to leaching and groundwater contamination. This study looked at the efficacy of OrganicRx Supergrow 7-6-6, a water-soluble plant-based, animal-free powder vs. CAN-17 synthetic fertilizer.

**Objective:**

The purpose of this trial was to compare Organic Rx Supergrow 7-6-6 vs. the industry standard CAN-17 synthetic fertilizer efficacy on strawberry plant growth, fruit productivity and post-harvest fruit quality.

**Location:** PSI Research Farm located at 342 Green Valley Road, Watsonville, CA 95076

**Strawberry Variety:** San Andreas

**Materials & Methods:**

Two treatments were established using a randomized complete block design (RCBD), with four replicate plots per treatment. Strawberry beds comprised of two plant lines measuring 48 inches center-to-center with standard polyethylene bed mulch and soil fumigation treatment with Chloropicrin + 1,3-dichloropropene at 42.6 gal/ac were used for this trial. Each replicate was comprised of a minimum of one 4 ft wide bed x 50 ft in length. A total of 8 beds were used for this trial. All bareroot plants used for this trial were selected for uniform crown and root system size. UC day-neutral San Andreas variety was used for this trial. Drip applications were applied using a 6.5 horsepower Honda® water pump injecting Supergrow 7-6-6 and CAN-17 into the drip tape. Soil moisture was monitored to assure even distribution in the soil profile.

**Treatment Table: Yellow- Supergrow      Blue - Can-17**

Trt #	Product	Application Timing	Pre-plant application rate of Agriform 18-6-12 (lbs N/ac)	Post-plant application rate for Supergrow7-6-6 and CAN-17
1	Supergrow 7-6-6	Weekly applications: 4/4/22, 4/22/22, 4/28/22, 5/5/22, 5/13/22, 5/20/22, 5/26/22, 6/3/22, 6/10/22, 6/17/22, 6/23/22, 6/30/22, 7/8/22, 7/14/22, 7/21/22, 7/26/22, 8/5/22, 8/12/22, 8/18/22, 8/26/22, 9/2/22, 9/8/22, 9/16/22, 9/23/22	117	5.5 lbs. N/ac
2	CAN-17	As specified for Trt 1	117	5.5 lbs. N/ac

Table 1. Application rates and timing for each treatment.

**Evaluations:**

1. Marketable and cull fruit yield data were taken twice-weekly starting April through the end of September. Yield data was converted into crates/ac for each replicate. Data was collected using 40 plants pick station per replicate.
2. Post-harvest fruit quality was evaluated throughout the months of April through September. A single 1-pound clamshell of marketable fruit from each replicate plot was harvested and stored in a commercial cooler at 34°F for approximately 5 days; the fruit was then removed from the cooler and stored at ambient temperature for 24 hours. Post- harvest quality was assessed by evaluating and categorizing the number of fruits with slight, moderate, severe physical damage, and fungal (*Botrytis cinerea*) infection. All fruit observed having only slight or moderate physical damage were categorized as marketable.

- Plant growth / vigor assessment were evaluated using a scale of 1-10 with 1= very weak plant, and 10= excellent vigor. Evaluations were done monthly, beginning in April 2022.
- The incidence of diseased plants was evaluated from each replicate plot on a monthly basis, at the same time as the vigor evaluations. Plants expressing symptoms of soil borne fungal pathogen infection (Wilting, collapsing, suppressed growth), were counted and recorded.
- Petiole samples were collected and analyzed for nitrate concentration once per month, April 2022 and ending in September 2022. From each replicate plot 10 random medium-aged petioles were collected within 40-plant pick stations.

**Treatment Table:** **Yellow- Supergrow** **Blue - Can-17**

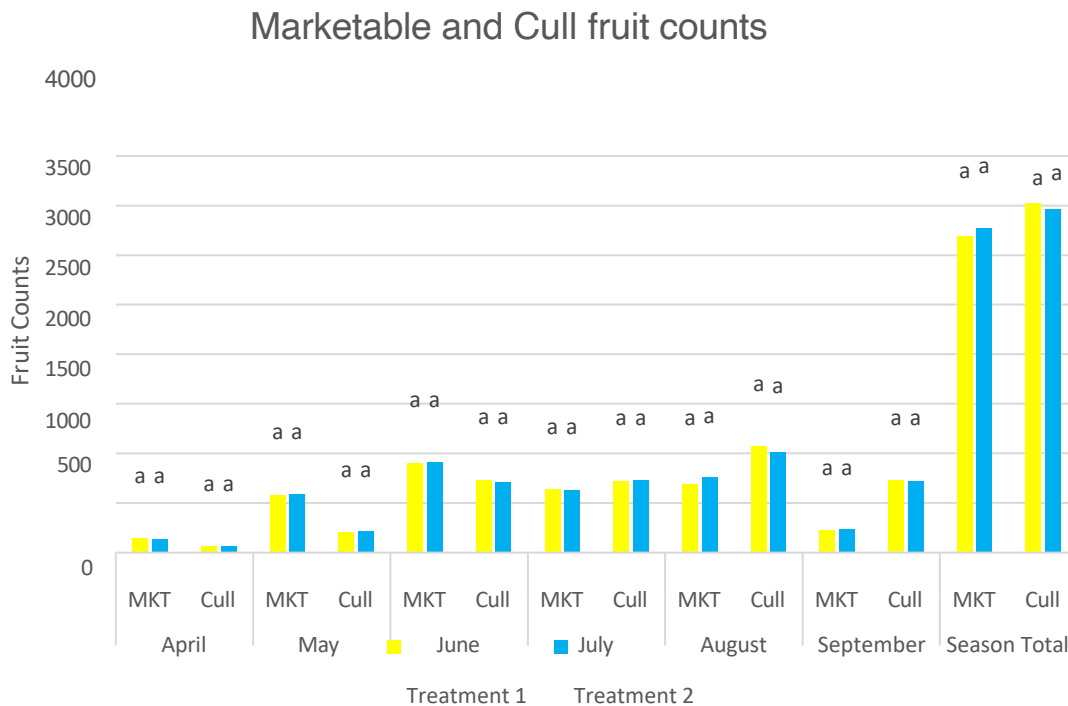


Figure 1. Marketable and Cull fruit counts for each month and season total

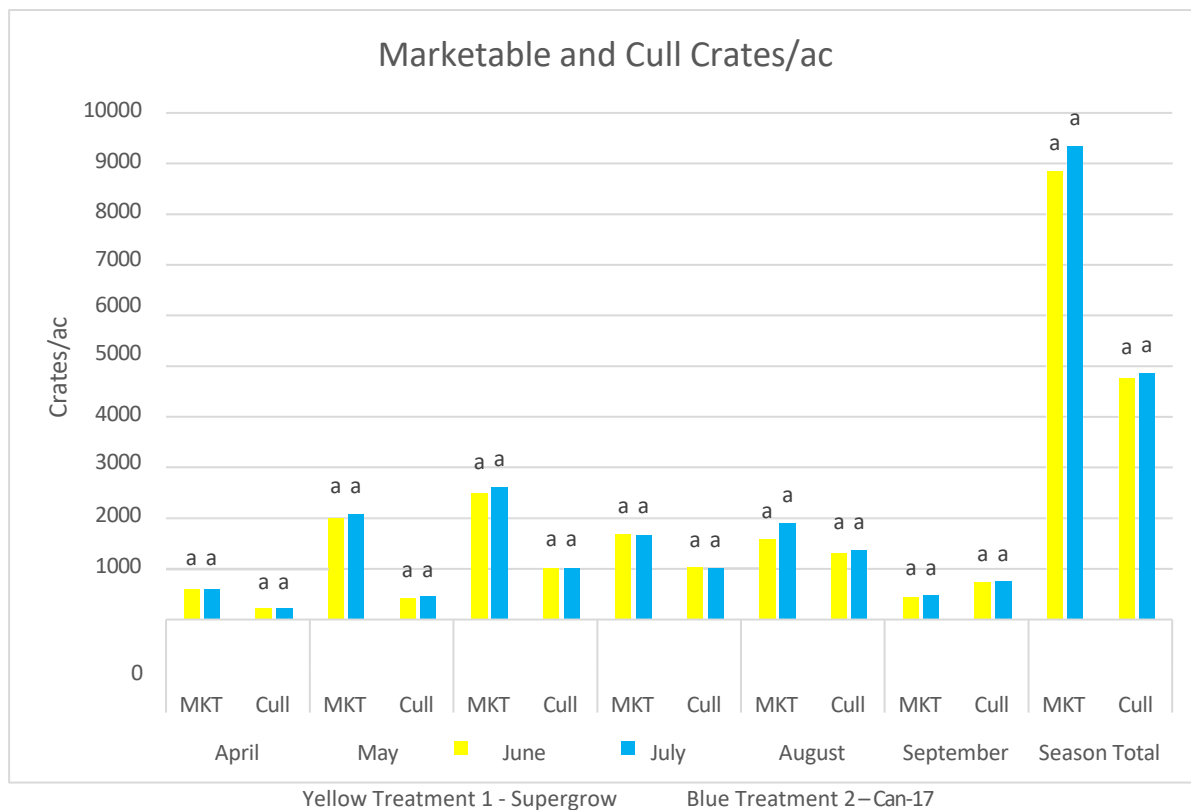


Figure 2. Monthly marketable and cull crates/ac and season total.

Yields shown above were calculated using plant density and berry weight data collected from the 40-plant pick station within each replicate plot; each bar is the mean of four replicates. Letters next to each treatment mean bar indicate statistically significant differences using *Duncan's MRT* ( $p \leq 0.05$ ). Yield mean bars (within a month, or for the season total) followed by the same letters are not significantly different.

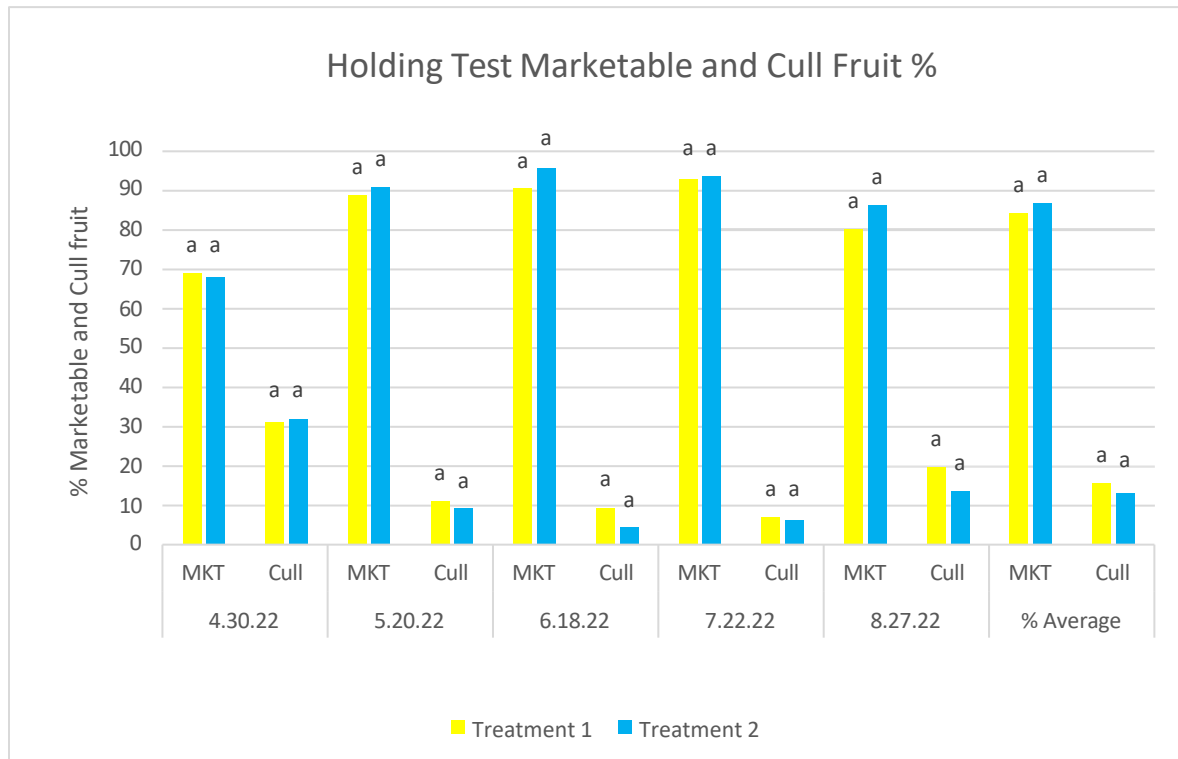


Figure 3. Percentage of marketable and cull fruit post-harvest.

The percentage of marketable fruit was calculated by adding the fruit in the categories slight and moderate and dividing by the entire number of berries in that clamshell. The percentage of cull was calculated by adding fruit in categories severe, rot, and Botrytis and dividing by the entire number of berries in the clamshell. Each bar is the mean of 4 replicates. Letters next to each treatment mean bar indicate statistically significant differences at a  $p \leq 0.05$  probability level. Mean bars followed by the same letters are not significantly different.

Cull fruit data showed no statistical differences between treatments. Supergrow had slightly lower cull crates/ac than Can-17, but Supergrow had slightly higher cull fruit counts.

Holding test data showed no statistical differences between treatments.

Vigor rating analysis did not show statistically significant differences between treatments, but Supergrow showed higher vigor during the 6/28/22 and 7/22/22 evaluations.

Diseased plant evaluations did not show statistically significant differences between treatments, but Supergrow had numerically lower disease plant count throughout the trial except for the last evaluation (9/27/22). The pathogen that was diagnose on the San Andreas variety was *Macrophomina phaseolina*.

Petiole nitrate analysis data show no statistical analysis differences between treatments. Supergrow had a numerically higher nitrate at the 7/13/22<sub>a</sub> evaluation.

Can-17 had numerically higher nitrates levels at all other evaluation time points. A good hypothesis why this occurred is because CAN-17 is a synthetic fertilizer which is readily available and quickly absorbed by the plant, whereas perhaps the organic fertilizer takes longer to break down and provide plant available nutrients. Towards the end of the trial, we noticed that plants from both treatments had bigger greener foliage and fruit compared to plants that were no treated with these two treatments.





### **Plant Sciences Trial Summary, 2023**

"The Plant Sciences OrganicsRx Supergrow fertilizer trial on San Andreas strawberries in-field is encouraging. Our efficacy demonstrates that OrganicsRx Supergrow 7-6-6 water-soluble, plant-based fertilizer can perform on par with CAN-17 synthetic fertilizer. Yields, vigor, marketable cull and holding tests demonstrated OrganicsRx Supergrow performance on par with Can-17 synthetic."

All data in 2022 greenhouse trials yielded similar results as the in-field Supergrow / Can-17 trial applied on San Andreas strawberries.

- **Benefits:** OrganicsRx Supergrow 7-6-6 is less prone to leaching nitrogen below the root zone. All OrganicsRx products are free of all animal waste materials, which can help control pathogen and E-coli contamination in water supplies. Purchasing a water-soluble powder in bulk could reduce freight, liquid gassing and storage costs.
- *For more data, refer to Appendix B below.*



## SUPERGROW

plant-based, animal free fertilizers for organic farming & gardening

### JUST THE FACTS

- OMRI & CDFA certified
  - Water soluble powder.
  - Won't clog drip-lines and foliar
  - Slow-release Nitrogen over growing cycle
- Less prone to nitrate leaching below the root zone
  - Organic plant and mineral-based raw materials
  - Vegan. Contains no animal by-product or waste
    - Pathogen and E.coli free
- Non-toxic; won't burn or irritate skin or respiratory systems
  - Manufactured in the United States
  - 1 year shelf life when stored properly

For more information and pricing, contact

OrganicsRx

Kathleen Hiraga

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[www.organicsrx.com](http://www.organicsrx.com)

310-399-3520

## Appendix A

### Photos

Taken June 28, 2022



Trt 1  
Supergrow 7-6-6  
Treatment 1A



Trt 1  
Supergrow 7-6-6  
Treatment 1B



Trt 1  
Supergrow 7-6-6  
Treatment 1C



Trt 1  
Supergrow 7-6-6  
Treatment 1D



Trt 2  
CAN-17  
Treatment 2A



Trt 2  
CAN-17  
Treatment 2B



Trt 2  
CAN-17  
Treatment 2C



Trt 2  
CAN-17  
Treatment 2D





Supergrow 7-6-6 water-soluble solution flowing out of drip tape.

## **Appendix B**

Statistical Report

# Plant Sciences, Inc.

## 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas Cooperator Trial ID:  
 Protocol ID: Location: PSI Research Farm Trial Year: 2022  
 Project ID: Organics Rx Field Trial Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator (Creator): Mike Nelson

Crop Name Crop Variety Description	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE
Rating Date						
Rating Type	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
ARM Action Codes						
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name						
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	609.64 a	2000.38 a	2503.26 a	1695.45 a	1584.80 a	450.98 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	605.84 a	2079.01 a	2610.40 a	1678.34 a	1896.56 a	482.47 a
LSD P=.05	28.236	271.958	392.063	287.799	451.367	233.993
Standard Deviation	12.548	120.852	174.225	127.892	200.578	103.982
CV	2.06	5.93	6.81	7.58	11.52	22.28
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.7268*	0.8559	0.9246	0.8801	0.9963	0.9762
P(Shapiro-Wilk)^	0.0045*	0.1092	0.4683	0.1887	0.9998	0.942
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-2.7592	-2.1524	-1.4245	-2.2137	-0.3134	-0.1107
P(Kurtosis)^	0.1584	0.2579	0.4419	0.2459	0.8628	0.9513
Replicate F	159.824	5.173	1.735	2.463	0.622	0.915
Replicate Prob(F)	0.0008	0.1052	0.3310	0.2393	0.6472	0.5284
Treatment F	0.183	0.847	0.756	0.036	4.832	0.183
Treatment Prob(F)	0.6973	0.4254	0.4485	0.8621	0.1154	0.6973

Means followed by same letter or symbol do not significantly differ (P=.05, Duncan's New MRT).  
 t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Column 1: San Andreas; yield; CRATES/A, , ; APRIL  
 Column 2: San Andreas; yield; CRATES/A, , ; MAY  
 Column 3: San Andreas; yield; CRATES/A, , ; JUNE  
 Column 4: San Andreas; yield; CRATES/A, , ; JULY  
 Column 5: San Andreas; yield; CRATES/A, , ; AUGUST  
 Column 6: San Andreas; yield; CRATES/A, , ; SEPTEMBER  
 Column 7: San Andreas; yield; CRATES/A, , ; SEASON TOTAL; T3  
 Column 8: San Andreas; yield; COUNTS, , ; APRIL  
 Column 9: San Andreas; yield; COUNTS, , ; MAY  
 Column 10: San Andreas; yield; COUNTS, , ; JUNE  
 Column 11: San Andreas; yield; COUNTS, , ; JULY  
 Column 12: San Andreas; yield; COUNTS, , ; AUGUST  
 Column 13: San Andreas; yield; COUNTS, , ; SEPTEMBER  
 Column 14: San Andreas; yield; COUNTS, , ; SEASON TOTAL; T4  
 Column 15: San Andreas; yield; CRATES/A, , ; APRIL  
 Column 16: San Andreas; yield; CRATES/A, , ; MAY  
 Column 17: San Andreas; yield; CRATES/A, , ; JUNE  
 Column 18: San Andreas; yield; CRATES/A, , ; JULY  
 Column 19: San Andreas; yield; CRATES/A, , ; AUGUST  
 Column 20: San Andreas; yield; CRATES/A, , ; SEPTEMBER  
 Column 21: San Andreas; yield; CRATES/A, , ; SEASON TOTAL; T5  
 Column 22: San Andreas; yield; COUNTS, , ; APRIL; Automatic square root transformation of X+0.5  
 Column 23: San Andreas; yield; COUNTS, , ; MAY  
 Column 24: San Andreas; yield; COUNTS, , ; JUNE  
 Column 25: San Andreas; yield; COUNTS, , ; JULY  
 Column 26: San Andreas; yield; COUNTS, , ; AUGUST  
 Column 27: San Andreas; yield; COUNTS, , ; SEPTEMBER  
 Column 28: San Andreas; yield; COUNTS, , ; SEASON TOTAL; T6  
 Column 29: San Andreas; vigor; 1-10 index/scale  
 Column 30: San Andreas; vigor; 1-10 index/scale  
 Column 31: San Andreas; vigor; 1-10 index/scale  
 Column 32: San Andreas; vigor; 1-10 index/scale; Automatic arcsine square root % transformation  
 Column 33: San Andreas; vigor; 1-10 index/scale  
 Column 34: San Andreas; vigor; 1-10 index/scale  
 Column 35: San Andreas; Diseased; plant  
 Column 36: San Andreas; Diseased; plant

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas		Cooperator Trial ID:	
Protocol ID:	Location: PSI Research Farm	Trial Year: 2022	
Project ID: Organics Rx Field Trial	Project ID 2:	Project ID 3:	
Study Director:	Sponsor Contact:		
Investigator (Creator): Mike Nelson			

Crop Name Crop Variety Description	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE
Rating Date						
Rating Type	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max	CRATES/A, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing	SEASON TOTAL	APRIL	MAY	JUNE	JULY	AUGUST
ARM Action Codes	T3					
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name						
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	8844.49 a	141.50 a	584.25 a	907.00 a	642.50 a	690.25 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	9352.62 a	140.00 a	593.75 a	909.25 a	631.25 a	762.25 a
LSD P=.05	916.027	10.271	51.782	185.163	151.216	99.821
Standard Deviation	407.063	4.564	23.011	82.283	67.197	44.358
CV	4.47	3.24	3.91	9.06	10.55	6.11
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.9808	0.9908	0.7633*	0.8745	0.8457	0.9518
P(Shapiro-Wilk)^	0.9668	0.9962	0.0115*	0.1668	0.0861	0.7293
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-0.3817	-0.2174	-2.6927	-2.2541	-2.4045	-0.0116
P(Kurtosis)^	0.8334	0.9045	0.1673	0.2382	0.2113	0.9949
Replicate F	0.622	72.968	16.244	1.351	1.548	2.104
Replicate Prob(F)	0.6472	0.0027	0.0233	0.4052	0.3642	0.2784
Treatment F	3.116	0.216	0.341	0.001	0.056	5.269
Treatment Prob(F)	0.1757	0.6738	0.6003	0.9716	0.8281	0.1054

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Crop Name Crop Variety Description	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas MARKETABLE	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL
Rating Date						
Rating Type	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max	COUNTS, -, -	COUNTS, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing	SEPTEMBER	SEASON TOTAL	APRIL	MAY	JUNE	JULY
ARM Action Codes		T4				
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name						
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	222.00 a	3187.50 a	227.74 a	426.92 a	1023.75 a	1036.31 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	233.00 a	3269.50 a	235.61 a	461.52 a	1025.05 a	1011.54 a
LSD P=.05	98.012	334.523	84.169	154.501	154.063	76.775
Standard Deviation	43.555	148.655	37.403	68.657	68.463	34.117
CV	19.14	4.6	16.14	15.46	6.68	3.33
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.9903	0.9695	0.9538	0.9752	0.9958	0.8138*
P(Shapiro-Wilk)^	0.9956	0.8938	0.749	0.9355	0.9997	0.0402*
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-0.1579	-0.8196	-0.8619	-1.0153	-0.269	-2.4923
P(Kurtosis)^	0.9305	0.6534	0.637	0.5796	0.882	0.1969
Replicate F	0.968	0.030	2.806	1.614	3.925	4.457
Replicate Prob(F)	0.5105	0.9915	0.2096	0.3518	0.1455	0.1256
Treatment F	0.128	0.609	0.089	0.508	0.001	1.054
Treatment Prob(F)	0.7446	0.4922	0.7853	0.5274	0.9802	0.3801



## Plant Sciences, Inc.

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Investigator (Creator): Mike Nelson		

Crop Name Crop Variety Description	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL
Rating Date	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Type	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -
Rating Unit/Min/Max	1	1	1	1	1	1
Number of Subsamples	AUGUST	SEPTEMBER	SEASON TOTAL	APRIL	MAY	JUNE
Rating Timing			T5	AS		
ARM Action Codes						
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name				dAS		
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	1301.80 a	749.28 a	4765.78 a	62.38 a	203.50 a	737.00 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	1370.13 a	762.31 a	4866.16 a	66.41 a	215.50 a	710.00 a
LSD P=.05	319.913	300.898	362.422	31.986 - 41.159	56.677	165.727
Standard Deviation	142.163	133.713	161.053	1.009t	25.186	73.646
CV	10.64	17.69	3.34	12.53t	12.02	10.18
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.9884	0.98	0.9977	0.9833	0.9372	0.9477
P(Shapiro-Wilk)^	0.9921	0.9631	1.0	0.9775	0.5833	0.6882
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-0.4302	-0.9741	-0.3325	-0.7046	-0.8152	-1.2373
P(Kurtosis)^	0.8127	0.5947	0.8545	0.6989	0.6551	0.5019
Replicate F	2.643	0.626	6.652	1.250	4.739	1.177
Replicate Prob(F)	0.2229	0.6453	0.0770	0.4294	0.1168	0.4484
Treatment F	0.462	0.019	0.777	0.123	0.454	0.269
Treatment Prob(F)	0.5454	0.8991	0.4430	0.7491	0.5487	0.6399

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas		Cooperator Trial ID:	
Protocol ID:	Location: PSI Research Farm	Trial Year: 2022	
Project ID: Organics Rx Field Trial	Project ID 2:	Project ID 3:	
Study Director:	Sponsor Contact:		
Investigator (Creator): Mike Nelson			

Crop Name Crop Variety Description	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas CULL	STRAWBERRY San Andreas Rating	STRAWBERRY San Andreas Rating
Rating Date					4/27/2022	5/31/2022
Rating Type	YIELD	YIELD	YIELD	YIELD	Vigor	Vigor
Rating Unit/Min/Max	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	1-10, 1, 10	1-10, 1, 10
Number of Subsamples	1	1	1	1	1	1
Rating Timing	JULY	AUGUST	SEPTEMBER	SEASON TOTAL		
ARM Action Codes				T6		
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name						
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	721.75 a	1073.50 a	728.00 a	3526.25 a	8.13 a	8.25 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	728.75 a	1017.25 a	722.25 a	3461.75 a	8.38 a	8.25 a
LSD P=.05	178.449	378.547	232.258	581.521	0.796	.
Standard Deviation	79.299	168.219	103.211	258.416	0.354	0.000
CV	10.93	16.09	14.23	7.4	4.29	0.0
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	.
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	.
Shapiro-Wilk^	0.9762	0.9859	0.9822	0.9889	0.9307	.
P(Shapiro-Wilk)^	0.9416	0.9861	0.9728	0.9932	0.5224	.
Skewness^	0.0	0.0	0.0	0.0	0.0	.
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	.
Kurtosis^	-0.8724	-0.1242	-0.6346	-0.1825	0.0	.
P(Kurtosis)^	0.633	0.9453	0.7273	0.9198	1.0	.
Replicate F	0.154	1.315	1.131	0.897	0.000	0.000
Replicate Prob(F)	0.9206	0.4137	0.4609	0.5345	1.0000	1.0000
Treatment F	0.016	0.224	0.006	0.125	1.000	0.000
Treatment Prob(F)	0.9085	0.6686	0.9422	0.7474	0.3910	1.0000

# Plant Sciences, Inc.

## 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas      Cooperator Trial ID:  
 Protocol ID:      Location: PSI Research Farm      Trial Year: 2022  
 Project ID: Organics Rx Field Trial      Project ID 2:      Project ID 3:  
 Study Director:      Sponsor Contact:  
 Investigator (Creator): Mike Nelson

Crop Name Crop Variety Description	STRAWBERRY San Andreas Rating	STRAWBERRY San Andreas Rating	STRAWBERRY San Andreas Rating	STRAWBERRY San Andreas Rating	STRAWBERRY San Andreas Count	STRAWBERRY San Andreas Count
Rating Date	6/28/2022	7/22/2022	8/26/2022	9/27/2022	4/27/2022	5/31/2022
Rating Type	Vigor	Vigor	Vigor	Vigor	Diseased	Diseased
Rating Unit/Min/Max	1-10, 1, 10	1-10, 1, 10	1-10, 1, 10	1-10, 1, 10	PLANT, -, -	PLANT, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes		AA				
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name		dAA				
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	8.25 a	8.12 a	8.00 a	8.13 a	0.00 a	0.00 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	8.13 a	7.87 a	8.00 a	8.50 a	0.00 a	0.25 a
LSD P=.05	0.398	0.457 - 0.462	0.650	1.193	.	0.796
Standard Deviation	0.177	0.216t	0.289	0.530	0.000	0.354
CV	2.16	1.31t	3.61	6.38	0.0	282.84
Bartlett's X2^	0.00	0.00	0.00	0.00	.	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	.	1.00
Shapiro-Wilk^	0.9307	0.6826*	0.8489	0.872	.	0.9307
P(Shapiro-Wilk)^	0.5224	0.0014*	0.0929	0.1575	.	0.5224
Skewness^	0.0	0.0	0.0	0.0	.	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	.	1.0
Kurtosis^	0.0	-2.7966	-0.7	-2.2123	.	0.0
P(Kurtosis)^	1.0	0.1536	0.7007	0.2461	.	1.0
Replicate F	9.000	1.999	7.000	1.000	0.000	1.000
Replicate Prob(F)	0.0520	0.2919	0.0721	0.5000	1.0000	0.5000
Treatment F	1.000	2.999	0.000	1.000	0.000	1.000
Treatment Prob(F)	0.3910	0.1818	1.0000	0.3910	1.0000	0.3910

# Plant Sciences, Inc.

## 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas      Cooperator Trial ID:  
 Protocol ID:      Location: PSI Research Farm      Trial Year: 2022  
 Project ID: Organics Rx Field Trial      Project ID 2:      Project ID 3:  
 Study Director:      Sponsor Contact:  
 Investigator (Creator): Mike Nelson

Crop Name Crop Variety Description	STRAWBERRY San Andreas Count	STRAWBERRY San Andreas Count	STRAWBERRY San Andreas Count	STRAWBERRY San Andreas Count	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST
Rating Date	6/28/2022	7/22/2022	8/26/2022	9/27/2022	4/30/2022	5/20/2022
Rating Type	Diseased	Diseased	Diseased	Diseased	MARKETABLE	MARKETABLE
Rating Unit/Min/Max	PLANT, -, -	PLANT, -, -	PLANT, -, -	PLANT, -, -	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes	AA	AA				
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name	dAA	dAA				
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	0.06 a	0.25 a	0.50 a	6.25 a	68.97 a	88.89 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	0.47 a	0.66 a	2.00 a	3.75 a	67.99 a	90.80 a
LSD P=.05	2.588 - 99999.479	6.830 - 99999.671	3.047	6.163	29.141	15.784
Standard Deviation	3.526t	5.583t	1.354	2.739	12.950	7.014
CV	131.51t	148.19t	108.32	54.77	18.91	7.81
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.9307	0.9715	0.9435	0.9926	0.965	0.8659
P(Shapiro-Wilk)^	0.5224	0.9096	0.646	0.9981	0.8563	0.1374
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	0.0	-0.4403	-1.481	-0.4604	-0.9784	-2.2708
P(Kurtosis)^	1.0	0.8083	0.4249	0.7998	0.5931	0.235
Replicate F	1.557	0.559	1.000	0.311	1.739	1.050
Replicate Prob(F)	0.3624	0.6776	0.5000	0.8184	0.3303	0.4844
Treatment F	1.000	0.207	2.455	1.667	0.011	0.148
Treatment Prob(F)	0.3910	0.6801	0.2152	0.2872	0.9216	0.7262

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Cooperator Trial ID:	Location: PSI Research Farm
Protocol ID:	Project ID 2:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Project ID 3:	
Study Director:	Sponsor Contact:	
Investigator (Creator): Mike Nelson		

Crop Name Crop Variety Description	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST	MARKETABLE San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST
Rating Date	6/18/2022	7/22/2021	8/27/2021		4/30/2022	5/20/2022
Rating Type	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	CULL	CULL
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%AVERAGE, 0, 100	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes				T1		
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name						
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	90.57 a	92.95 a	80.22 a	84.32 a	31.03 a	11.11 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	95.67 a	93.67 a	86.28 a	86.88 a	32.01 a	9.20 a
LSD P=.05	16.356	19.577	14.582	8.575	29.141	15.784
Standard Deviation	7.268	8.700	6.480	3.811	12.950	7.014
CV	7.81	9.32	7.78	4.45	41.09	69.05
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.8765	0.9593	0.9348	0.7786*	0.965	0.8659
P(Shapiro-Wilk)^	0.1741	0.803	0.561	0.0168*	0.8563	0.1374
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-2.1179	-0.7321	-1.7754	-2.6562	-0.9784	-2.2708
P(Kurtosis)^	0.265	0.6879	0.3436	0.1724	0.5931	0.235
Replicate F	0.502	0.268	0.481	0.616	1.739	1.050
Replicate Prob(F)	0.7073	0.8460	0.7184	0.6501	0.3303	0.4844
Treatment F	0.985	0.014	1.752	0.904	0.011	0.148
Treatment Prob(F)	0.3942	0.9146	0.2775	0.4119	0.9216	0.7262

# Plant Sciences, Inc.

## 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas      Cooperator Trial ID:  
 Protocol ID:      Location: PSI Research Farm      Trial Year: 2022  
 Project ID: Organics Rx Field Trial      Project ID 2:      Project ID 3:  
 Study Director:      Sponsor Contact:  
 Investigator (Creator): Mike Nelson

Crop Name Crop Variety Description	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST	STRAWBERRY San Andreas HOLDING TEST	LL San Andreas HOLDING TEST	STRAWBERRY San Andreas	STRAWBERRY San Andreas
Rating Date	6/18/2022	7/22/2021	8/27/2021		4/28/2022	5/26/2022
Rating Type	CULL	CULL	CULL	CULL	NITRATE	NITRATE
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%AVERAGE, 0, 100	PPM, -, -	PPM, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes			AL	T2		
Number of Decimals	2	2	2	2	2	2
Trt Treatment No. Name			dAL			
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	9.43 a	7.05 a	19.72 a	15.68 a	461.56 a	223.75 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	4.33 a	6.33 a	11.84 a	13.12 a	691.25 a	252.19 a
LSD P=.05	16.356	19.577	14.135 - 27.548	8.575	291.003	153.292
Standard Deviation	7.268	8.700	0.221t	3.811	129.316	68.120
CV	105.64	130.1	18.24t	26.47	22.43	28.63
Bartlett's X2^	0.00	0.00	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.8765	0.9593	0.9733	0.7786*	0.9947	0.8887
P(Shapiro-Wilk)^	0.1741	0.803	0.9224	0.0168*	0.9994	0.2275
Skewness^	0.0	0.0	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0	1.0	1.0
Kurtosis^	-2.1179	-0.7321	-1.1769	-2.6562	-0.2141	-2.1222
P(Kurtosis)^	0.265	0.6879	0.5223	0.1724	0.9059	0.2641
Replicate F	0.502	0.268	0.653	0.616	7.926	2.814
Replicate Prob(F)	0.7073	0.8460	0.6326	0.6501	0.0615	0.2091
Treatment F	0.985	0.014	1.767	0.904	6.310	0.349
Treatment Prob(F)	0.3942	0.9146	0.2758	0.4119	0.0868	0.5965

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas
Description				
Rating Date	6/28/2022	7/13/2020	8/26/2020	9/27/2020
Rating Type	NITRATE	NITRATE	NITRATE	NITRATE
Rating Unit/Min/Max	PPM, -, -	PPM, -, -	PPM, -, -	PPM, -, -
Number of Subsamples	1	1	1	1
Rating Timing				
ARM Action Codes				
Number of Decimals	2	2	2	2
Trt Treatment				
No. Name				
1 Supergrow 7-6-6 @ 5.5lbs N/ ac/ once a week	115.63 a	209.25 a	165.10 a	166.88 a
2 Can- 17 @ 5.5lbs N/ ac/ once a week	152.16 a	162.88 a	181.25 a	367.63 a
LSD P=.05	49.404	120.501	128.467	854.220
Standard Deviation	21.954	53.548	57.088	379.598
CV	16.4	28.78	32.97	142.04
Bartlett's X2^	0.00	0.00	0.00	0.00
P(Bartlett's X2)	1.00	1.00	1.00	1.00
Shapiro-Wilk^	0.9899	0.9894	0.9789	0.9516
P(Shapiro-Wilk)^	0.9949	0.9942	0.9573	0.7275
Skewness^	0.0	0.0	0.0	0.0
P(Skewness)^	1.0	1.0	1.0	1.0
Kurtosis^	-0.2486	-0.1522	-0.4639	-0.0134
P(Kurtosis)^	0.8909	0.933	0.7984	0.9941
Replicate F	1.532	1.439	0.062	0.881
Replicate Prob(F)	0.3673	0.3860	0.9766	0.5402
Treatment F	5.537	1.500	0.160	0.559
Treatment Prob(F)	0.1000	0.3081	0.7158	0.5088

# Plant Sciences, Inc.

## 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas Cooperator Trial ID:  
 Protocol ID: Location: PSI Research Farm Trial Year: 2022  
 Project ID: Organics Rx Field Trial Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator (Creator): Mike Nelson

Column 37: San Andreas; Diseased; plant; Automatic arcsine square root % transformation  
 Column 38: San Andreas; Diseased; plant; Automatic arcsine square root % transformation  
 Column 39: San Andreas; Diseased; plant  
 Column 40: San Andreas; Diseased; plant  
 Column 41: San Andreas; MARKETABLE; percent  
 Column 42: San Andreas; MARKETABLE; percent  
 Column 43: San Andreas; MARKETABLE; percent  
 Column 44: San Andreas; MARKETABLE; percent  
 Column 45: San Andreas; MARKETABLE; percent  
 Column 46: San Andreas; MARKETABLE; %AVERAGE, 0, 100; T1  
 Column 47: San Andreas; CULL; percent  
 Column 48: San Andreas; CULL; percent  
 Column 49: San Andreas; CULL; percent  
 Column 50: San Andreas; CULL; percent  
 Column 51: San Andreas; CULL; percent; Automatic log transformation of X+1  
 Column 52: San Andreas; CULL; %AVERAGE, 0, 100; T2  
 Column 53: San Andreas; NITRATE; parts per million  
 Column 54: San Andreas; NITRATE; parts per million  
 Column 55: San Andreas; NITRATE; parts per million  
 Column 56: San Andreas; NITRATE; parts per million  
 Column 57: San Andreas; NITRATE; parts per million  
 Column 58: San Andreas; NITRATE; parts per million

Could not calculate LSD (% mean diff) for columns 30,35 because error mean square = 0.

^Calculated from residual.

d=Means are reported in de-transformed data units

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE
Rating Date						
Rating Type	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
ARM Action Codes						
Number of Decimals	2	2	2	2	2	2
Trt Treatment						
No. Name Plot						
1 Supergrow 7-6-6 101	449.00	2022.18	2431.25	1980.55	1738.17	582.85
@ 5.5lbs N/ ac/ once a week 202	665.62	1864.64	2449.24	1465.15	1717.97	458.25
301	664.50	1775.18	2529.70	1601.98	1588.94	403.33
402	659.43	2339.52	2602.84	1734.10	1294.11	359.47
Mean =	609.64	2000.38	2503.26	1695.45	1584.80	450.98
2 Can- 17 102	430.43	1918.09	2240.81	1756.06	1998.79	531.26
@ 5.5lbs N/ ac/ once a week 201	645.93	2040.19	2661.92	1577.68	1881.86	399.19
302	674.62	2040.19	2911.74	1756.61	1686.28	389.92
401	672.37	2317.58	2627.14	1623.02	2019.31	609.49
Mean =	605.84	2079.01	2610.40	1678.34	1896.56	482.47

Column 1: San Andreas; yield; CRATES/A, , ; APRIL  
 Column 2: San Andreas; yield; CRATES/A, , ; MAY  
 Column 3: San Andreas; yield; CRATES/A, , ; JUNE  
 Column 4: San Andreas; yield; CRATES/A, , ; JULY  
 Column 5: San Andreas; yield; CRATES/A, , ; AUGUST  
 Column 6: San Andreas; yield; CRATES/A, , ; SEPTEMBER  
 Column 7: San Andreas; yield; CRATES/A, , ; SEASON TOTAL; T3  
 Column 8: San Andreas; yield; COUNTS, , ; APRIL  
 Column 9: San Andreas; yield; COUNTS, , ; MAY  
 Column 10: San Andreas; yield; COUNTS, , ; JUNE  
 Column 11: San Andreas; yield; COUNTS, , ; JULY  
 Column 12: San Andreas; yield; COUNTS, , ; AUGUST  
 Column 13: San Andreas; yield; COUNTS, , ; SEPTEMBER  
 Column 14: San Andreas; yield; COUNTS, , ; SEASON TOTAL; T4  
 Column 15: San Andreas; yield; CRATES/A, , ; APRIL  
 Column 16: San Andreas; yield; CRATES/A, , ; MAY  
 Column 17: San Andreas; yield; CRATES/A, , ; JUNE  
 Column 18: San Andreas; yield; CRATES/A, , ; JULY  
 Column 19: San Andreas; yield; CRATES/A, , ; AUGUST  
 Column 20: San Andreas; yield; CRATES/A, , ; SEPTEMBER  
 Column 21: San Andreas; yield; CRATES/A, , ; SEASON TOTAL; T5  
 Column 22: San Andreas; yield; COUNTS, , ; APRIL; Automatic square root transformation of X+0.5  
 Column 23: San Andreas; yield; COUNTS, , ; MAY  
 Column 24: San Andreas; yield; COUNTS, , ; JUNE



## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Sponsor Contact:	
Study Director:		
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE
Rating Date						
Rating Type	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max	CRATES/A, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing	SEASON TOTAL	APRIL	MAY	JUNE	JULY	AUGUST
ARM Action Codes	T3					
Number of Decimals	2	2	2	2	2	2
Trt Treatment						
No. Name Plot						
1 Supergrow 7-6-6 101	9204.00	103.00	575.00	865.00	758.00	739.00
@ 5.5lbs N/ ac/ once a week 202	8620.87	157.00	542.00	905.00	565.00	744.00
301	8563.63	148.00	524.00	903.00	599.00	692.00
402	8989.47	158.00	696.00	955.00	648.00	586.00
Mean =	8844.49	141.50	584.25	907.00	642.50	690.25
2 Can- 17 102	8875.44	98.00	557.00	762.00	676.00	780.00
@ 5.5lbs N/ ac/ once a week 201	9206.77	151.00	575.00	968.00	610.00	788.00
302	9459.36	145.00	566.00	1039.00	692.00	729.00
401	9868.91	166.00	677.00	868.00	547.00	752.00
Mean =	9352.62	140.00	593.75	909.25	631.25	762.25

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Sponsor Contact:	
Study Director:		
Investigator (Creator): Mike Nelson		

Crop Name		STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety		San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description		MARKETABLE	MARKETABLE	CULL	CULL	CULL	CULL
Rating Date							
Rating Type		YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max		COUNTS, -, -	COUNTS, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -
Number of Subsamples		1	1	1	1	1	1
Rating Timing		SEPTEMBER	SEASON TOTAL	APRIL	MAY	JUNE	JULY
ARM Action Codes			T4				
Number of Decimals		2	2	2	2	2	2
Trt Treatment							
No. Name	Plot						
1 Supergrow 7-6-6	101	287.00	3327.00	202.56	394.42	922.18	958.53
@ 5.5lbs N/ ac/ once a week	202	216.00	3129.00	232.38	423.12	968.89	1053.85
	301	209.00	3075.00	230.13	382.61	1022.34	1073.37
	402	176.00	3219.00	245.88	507.51	1181.58	1059.48
	Mean =	222.00	3187.50	227.74	426.92	1023.75	1036.31
2 Can- 17	102	254.00	3127.00	141.23	363.48	900.25	965.46
@ 5.5lbs N/ ac/ once a week	201	198.00	3290.00	235.19	590.79	1111.24	981.27
	302	202.00	3373.00	254.88	428.18	984.08	1098.87
	401	278.00	3288.00	311.15	463.63	1104.63	1000.56
	Mean =	233.00	3269.50	235.61	461.52	1025.05	1011.54

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### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson		

Crop Name		STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety		San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description		CULL	CULL	CULL	CULL	CULL	CULL
Rating Date							
Rating Type		YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit/Min/Max		CRATES/A, -, -	CRATES/A, -, -	CRATES/A, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -
Number of Subsamples		1	1	1	1	1	1
Rating Timing		AUGUST	SEPTEMBER	SEASON TOTAL	APRIL	MAY	JUNE
ARM Action Codes				T5	AS		
Number of Decimals		2	2	2	2	2	2
Trt Treatment							
No. Name	Plot						
1 Supergrow 7-6-6	101	1094.15	754.82	4326.66	57.00	169.00	646.00
@ 5.5lbs N/ ac/ once a week	202	1103.96	827.10	4609.30	60.00	219.00	716.00
	301	1370.63	780.02	4859.10	72.00	168.00	754.00
	402	1638.45	635.17	5268.07	61.00	258.00	832.00
	Mean =	1301.80	749.28	4765.78	62.38d	203.50	737.00
2 Can- 17	102	1284.07	950.59	4605.08	42.00	178.00	645.00
@ 5.5lbs N/ ac/ once a week	201	1318.63	585.75	4822.87	64.00	271.00	820.00
	302	1461.78	771.40	4999.19	65.00	189.00	683.00
	401	1416.02	741.49	5037.48	101.00	224.00	692.00
	Mean =	1370.13	762.31	4866.16	66.41d	215.50	710.00

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	CULL	CULL	CULL	CULL	Rating	Rating
Rating Date					4/27/2022	5/31/2022
Rating Type	YIELD	YIELD	YIELD	YIELD	Vigor	Vigor
Rating Unit/Min/Max	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	COUNTS, -, -	1-10, 1, 10	1-10, 1, 10
Number of Subsamples	1	1	1	1	1	1
Rating Timing	JULY	AUGUST	SEPTEMBER	SEASON TOTAL		
ARM Action Codes				T6		
Number of Decimals	2	2	2	2	2	2
Trt Treatment						
No. Name	Plot					
1 Supergrow 7-6-6	101	688.00	865.00	742.00	3167.00	8.00
@ 5.5lbs N/ ac/ once a week	202	729.00	919.00	768.00	3411.00	8.00
	301	695.00	1111.00	790.00	3590.00	8.00
	402	775.00	1399.00	612.00	3937.00	8.50
	Mean =	721.75	1073.50	728.00	3526.25	8.13
2 Can- 17	102	743.00	925.00	849.00	3382.00	8.50
@ 5.5lbs N/ ac/ once a week	201	727.00	1025.00	555.00	3462.00	8.50
	302	814.00	1129.00	788.00	3668.00	8.50
	401	631.00	990.00	697.00	3335.00	8.00
	Mean =	728.75	1017.25	722.25	3461.75	8.38

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Project ID 3:	
Study Director:	Sponsor Contact:	
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	Rating	Rating	Rating	Rating	Count	Count
Rating Date	6/28/2022	7/22/2022	8/26/2022	9/27/2022	4/27/2022	5/31/2022
Rating Type	Vigor	Vigor	Vigor	Vigor	Diseased	Diseased
Rating Unit/Min/Max	1-10, 1, 10	1-10, 1, 10	1-10, 1, 10	1-10, 1, 10	PLANT, -, -	PLANT, -, -
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes		AA				
Number of Decimals	2	2	2	2	2	2
Trt Treatment						
No. Name Plot						
1 Supergrow 7-6-6 101	8.00	8.00	8.00	9.00	0.00	0.00
@ 5.5lbs N/ ac/ once a week 202	8.00	8.00	8.00	8.00	0.00	0.00
301	8.50	8.00	8.50	8.00	0.00	0.00
402	8.50	8.50	7.50	7.50	0.00	0.00
Mean =	8.25	8.12d	8.00	8.13	0.00	0.00
2 Can- 17 102	7.50	7.50	7.50	8.50	0.00	0.00
@ 5.5lbs N/ ac/ once a week 201	8.00	8.00	8.00	8.00	0.00	0.00
302	8.50	8.00	9.00	9.00	0.00	0.00
401	8.50	8.00	7.50	8.50	0.00	1.00
Mean =	8.13	7.87d	8.00	8.50	0.00	0.25

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	Count	Count	Count	Count	HOLDING TEST	HOLDING TEST
Rating Date	6/28/2022	7/22/2022	8/26/2022	9/27/2022	4/30/2022	5/20/2022
Rating Type	Diseased	Diseased	Diseased	Diseased	MARKETABLE	MARKETABLE
Rating Unit/Min/Max	PLANT, -, -	PLANT, -, -	PLANT, -, -	PLANT, -, -	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
ARM Action Codes	AA	AA				
Number of Decimals	2	2	2	2	2	2
Trt Treatment						
No. Name Plot						
1 Supergrow 7-6-6 101	1.00	1.00	1.00	2.00	42.86	100.00
@ 5.5lbs N/ ac/ once a week 202	0.00	0.00	1.00	7.00	81.25	80.00
301	0.00	1.00	0.00	8.00	87.50	88.89
402	0.00	0.00	0.00	8.00	64.29	86.67
Mean =	0.06d	0.25d	0.50	6.25	68.97	88.89
2 Can- 17 102	1.00	1.00	3.00	5.00	61.11	93.75
@ 5.5lbs N/ ac/ once a week 201	0.00	0.00	1.00	4.00	77.78	93.33
302	0.00	0.00	0.00	2.00	62.50	82.35
401	3.00	5.00	4.00	4.00	70.59	93.75
Mean =	0.47d	0.66d	2.00	3.75	67.99	90.80

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Project ID 3:	
Study Director:	Sponsor Contact:	
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	MARKETABLE	STRAWBERRY
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	HOLDING TEST	HOLDING TEST	HOLDING TEST	HOLDING TEST	HOLDING TEST
Rating Date	6/18/2022	7/22/2021	8/27/2021		4/30/2022
Rating Type	MARKETABLE	MARKETABLE	MARKETABLE	MARKETABLE	CULL
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%AVERAGE, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1
Rating Timing					
ARM Action Codes				T1	
Number of Decimals	2	2	2	2	2
Trt Treatment					
No. Name	Plot				
1 Supergrow 7-6-6	101	100.00	86.36	78.26	81.50
@ 5.5lbs N/ ac/ once a week	202	89.47	95.45	80.00	85.24
	301	83.33	90.00	80.00	85.94
	402	89.47	100.00	82.61	84.61
Mean =		90.57	92.95	80.22	84.32
2 Can- 17	102	94.44	100.00	95.65	88.99
@ 5.5lbs N/ ac/ once a week	201	100.00	100.00	89.47	92.12
	302	100.00	90.48	80.00	83.07
	401	88.24	84.21	80.00	83.36
Mean =		95.67	93.67	86.28	86.88

## Plant Sciences, Inc.

### 2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.

Trial ID: Strawberry cv.- San Andreas	Location: PSI Research Farm	Cooperator Trial ID:
Protocol ID:	Project ID 2: Project ID 3:	Trial Year: 2022
Project ID: Organics Rx Field Trial	Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson		

Crop Name	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	LL
Crop Variety	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description	HOLDING TEST	HOLDING TEST	HOLDING TEST	HOLDING TEST	HOLDING TEST
Rating Date	5/20/2022	6/18/2022	7/22/2021	8/27/2021	
Rating Type	CULL	CULL	CULL	CULL	CULL
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%AVERAGE, 0, 100
Number of Subsamples	1	1	1	1	1
Rating Timing					
ARM Action Codes				AL	T2
Number of Decimals	2	2	2	2	2
Trt Treatment					
No. Name	Plot				
1 Supergrow 7-6-6	101	0.00	0.00	13.64	21.74
@ 5.5lbs N/ ac/ once a week	202	20.00	10.53	4.55	20.00
	301	11.11	16.67	10.00	20.00
	402	13.33	10.53	0.00	17.39
Mean =		11.11	9.43	7.05	19.72d
2 Can- 17	102	6.25	5.56	0.00	4.35
@ 5.5lbs N/ ac/ once a week	201	6.67	0.00	0.00	10.53
	302	17.65	0.00	9.52	20.00
	401	6.25	11.76	15.79	20.00
Mean =		9.20	4.33	6.33	11.84d



**Plant Sciences, Inc.****2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.**

Trial ID: Strawberry cv.- San Andreas	Cooperator Trial ID:
Protocol ID:	Location: PSI Research Farm
Project ID: Organics Rx Field Trial	Trial Year: 2022
Project ID 2:	Project ID 3:
Study Director:	Sponsor Contact:
Investigator (Creator): Mike Nelson	

Crop Name		STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY	STRAWBERRY
Crop Variety		San Andreas	San Andreas	San Andreas	San Andreas	San Andreas	San Andreas
Description							
Rating Date		4/28/2022	5/26/2022	6/28/2022	7/13/2020	8/26/2020	9/27/2020
Rating Type		NITRATE	NITRATE	NITRATE	NITRATE	NITRATE	NITRATE
Rating Unit/Min/Max		PPM, -, -	PPM, -, -	PPM, -, -	PPM, -, -	PPM, -, -	PPM, -, -
Number of Subsamples		1	1	1	1	1	1
Rating Timing							
ARM Action Codes							
Number of Decimals		2	2	2	2	2	2
Trt Treatment							
No. Name	Plot						
1 Supergrow 7-6-6	101	482.50	148.75	109.13	193.75	181.25	193.75
@ 5.5lbs N/ ac/ once a week	202	242.50	145.00	97.13	215.00	208.75	155.00
	301	315.00	232.50	128.75	303.75	162.50	142.50
	402	806.25	368.75	127.50	124.50	107.88	176.25
	Mean =	461.56	223.75	115.63	209.25	165.10	166.88
2 Can- 17	102	443.75	241.25	191.25	124.00	183.75	88.75
@ 5.5lbs N/ ac/ once a week	201	611.25	268.75	116.13	135.00	147.50	109.25
	302	592.50	150.00	158.75	202.50	156.25	1147.50
	401	1117.50	348.75	142.50	190.00	237.50	125.00
	Mean =	691.25	252.19	152.16	162.88	181.25	367.63

## Plant Sciences, Inc.

2021- 2022 Organics Rx Field Trial Supergrow 7-6-6 as an alternative to Standard Can-17.		
Trial ID: Strawberry cv.- San Andreas	Cooperator Trial ID:	
Protocol ID:	Location: PSI Research Farm	Trial Year: 2022
Project ID: Organics Rx Field Trial	Project ID 2:	Project ID 3:
Study Director:	Sponsor Contact:	
Investigator (Creator): Mike Nelson		
Column 25: San Andreas; yield; COUNTS, , ; JULY		
Column 26: San Andreas; yield; COUNTS, , ; AUGUST		
Column 27: San Andreas; yield; COUNTS, , ; SEPTEMBER		
Column 28: San Andreas; yield; COUNTS, , ; SEASON TOTAL; T6		
Column 29: San Andreas; vigor; 1-10 index/scale		
Column 30: San Andreas; vigor; 1-10 index/scale		
Column 31: San Andreas; vigor; 1-10 index/scale		
Column 32: San Andreas; vigor; 1-10 index/scale; Automatic arcsine square root % transformation		
Column 33: San Andreas; vigor; 1-10 index/scale		
Column 34: San Andreas; vigor; 1-10 index/scale		
Column 35: San Andreas; Diseased; plant		
Column 36: San Andreas; Diseased; plant		
Column 37: San Andreas; Diseased; plant; Automatic arcsine square root % transformation		
Column 38: San Andreas; Diseased; plant; Automatic arcsine square root % transformation		
Column 39: San Andreas; Diseased; plant		
Column 40: San Andreas; Diseased; plant		
Column 41: San Andreas; MARKETABLE; percent		
Column 42: San Andreas; MARKETABLE; percent		
Column 43: San Andreas; MARKETABLE; percent		
Column 44: San Andreas; MARKETABLE; percent		
Column 45: San Andreas; MARKETABLE; percent		
Column 46: San Andreas; MARKETABLE; %AVERAGE, 0, 100; T1		
Column 47: San Andreas; CULL; percent		
Column 48: San Andreas; CULL; percent		
Column 49: San Andreas; CULL; percent		
Column 50: San Andreas; CULL; percent		
Column 51: San Andreas; CULL; percent; Automatic log transformation of X+1		
Column 52: San Andreas; CULL; %AVERAGE, 0, 100; T2		
Column 53: San Andreas; NITRATE; parts per million		
Column 54: San Andreas; NITRATE; parts per million		
Column 55: San Andreas; NITRATE; parts per million		
Column 56: San Andreas; NITRATE; parts per million		
Column 57: San Andreas; NITRATE; parts per million		
Column 58: San Andreas; NITRATE; parts per million		