



***Santa Teresa Farm
Road LA 50
Villa Juarez, Navolato, Sin.
Mexico***



Confidential and Privileged Information

Cultivation Data

Variety – Bola Tomato

Total Trial Area – 12 HA

Field Location - # 8 Cafetal (N24.36.031 W107.30.851)

Date of Planting – 11/04/06

Spacing – rows: 1.6 meters / spacing: 50 cm.

Population – 12,500 / HA

Irrigation - Drip



Grow media inoculated with FertiZONE



Seedling growth



Seedling planting



Initial field planting



Trunk / Stem diameter Day 42

FertiZONE



48 cms.



43 cms.



43 cms.



42 cms.



33 cms.



33 cms.



29 cms.



32 cms.

CONTROL



4 FertiZONE treated & 4 Control Plants

| FertiZONE Treated | Control |
|----------------------|---------|
| 1.0" | 0.4" |
| 1.3" | 0.5" |
| 1.0" | 0.5" |
| 0.8" | 0.4" |
| 4.1" | 1.8" |
| 1.2" | 0.45" |
| 165 % Greater | |



Plant height – FertiZONE



Plant #1
48 cm



Plant #3
43 cm



Plant #2
43 cm



Plant #4
42 cm



Plant height - control



Plant #1
33 cm



Plant #3
29 cm



Plant #2
33 cm



Plant #4
32 cm



| <u>Plant</u> | <u>FertiZONE Treated</u> | <u>Control</u> |
|--------------|--------------------------|----------------|
| #1 | 48 cm. | 33 cm. |
| #2 | 43 cm. | 33 cm. |
| #3 | 43 cm. | 29 cm. |
| #4 | 42 cm. | 32 cm. |
| Total | 1.76 | 1.27 |
| AVG. | 44 cm. | 32 cm. |
| 38 % Greater | | |



FertiZONE Treated



N 24 36. 035
W 107 30 904

Control



N 24 36. 031
W 107 30 851



Root ball prior to rinsing



Root rinse for qualitative measurements



FertiZONE Treated



Control



Visual Check – *roots / height / stem diameter*



February 4 and February 22 data points:

- Plant Height
- Stem / Trunk Diameter
- Flower / Budding
- Fruit Count

Harvest Results

- March 1 – 14
- April 9



Plant Height Measurements – February 4th

| <u>Plants</u> | <u>Treated</u> | <u>Control</u> |
|--------------------|----------------|----------------|
| #1 | 54 cm. | 43 cm. |
| #2 | 61 cm. | 40 cm. |
| #3 | 49 cm. | 37 cm. |
| #4 | 54 cm. | 39 cm. |
| #5 | 57 cm. | 46 cm. |
| Total | 2.75 meters | 2.05 meters |
| Avg. | 55 cm. | 41 cm. |
| 34 % Taller | | |



Plant Height Measurements – February 22nd

| <u>Plants</u> | <u>Treated</u> | <u>Control</u> |
|--------------------|----------------|----------------|
| #1 | 66 cm. | 53 cm. |
| #2 | 63 cm. | 46 cm. |
| #3 | 67 cm. | 42 cm. |
| #4 | 65 cm. | 44 cm. |
| #5 | 66 cm. | 47 cm. |
| Total | 327 | 232 |
| Avg. | 65.4 cm. | 46.4 cm. |
| 40 % Taller | | |



Trunk / Stem diameter

February 4th

| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
|--------------|----------------|----------------|
| #1 | 1.25 | 1.15 |
| #2 | 1.3 | 0.97 |
| #3 | 1.44 | 0.87 |
| #4 | 1.22 | 0.83 |
| #5 | 1.13 | 1.14 |
| Total | 6.34 | 4.96 |
| Average | 1.268 | 0.992 |
| 28 % Greater | | |

February 22nd

| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
|--------------|----------------|----------------|
| #1 | 1.45 | 1.18 |
| #2 | 1.52 | 1.12 |
| #3 | 1.77 | 1.05 |
| #4 | 1.65 | 0.98 |
| #5 | 1.68 | 1.02 |
| Total | 8.07 | 5.35 |
| Average | 1.614 | 1.07 |
| 54 % MAS | | |



Flower bud count

| February 4th | | |
|--------------|----------------|----------------|
| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
| #1 | 8 | 1 |
| #2 | 7 | 1 |
| #3 | 6 | 0 |
| #4 | 8 | 1 |
| #5 | 4 | 2 |
| Total | 33 | 5 |
| Avg. | 6.6 | 1 |
| 560% More | | |

| February 22nd | | |
|---------------|----------------|----------------|
| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
| #1 | 11 | 5 |
| #2 | 9 | 7 |
| #3 | 14 | 6 |
| #4 | 12 | 7 |
| #5 | 14 | 4 |
| Total | 60 | 29 |
| Avg. | 12 | 6 |
| 100% More | | |



Number of "Fruits"

February 4th

| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
|--------------|----------------|----------------|
| #1 | 10 | 0 |
| #2 | 3 | 0 |
| #3 | 2 | 0 |
| #4 | 5 | 0 |
| #5 | 2 | 1 |
| Total | 22 | 1 |
| Avg | 4.4 | 0.2 |
| 420% More | | |

February 22nd

| <u>Plant</u> | <u>Treated</u> | <u>Control</u> |
|--------------|----------------|----------------|
| #1 | 11 | 3 |
| #2 | 5 | 2 |
| #3 | 5 | 5 |
| #4 | 4 | 7 |
| #5 | 5 | 5 |
| Total | 30 | 22 |
| Average | 6 | 4.4 |
| 35% More | | |



| | |
|------------------------|--------------|
| FertiZONE Treated | 473,807 KGS. |
| Control | 234,668 KGS. |
| Difference | 239,139 KGS. |
| Yield Improvement 101% | |

Harvest Date – March 1st – 14th



| | |
|-------------------------|--------------|
| FertiZONE Treated | 125,731 KGS. |
| Control | 101,891 KGS. |
| Difference | 23,840 KGS. |
| Yield Improvement 23.4% | |

Harvest Date – April 9th



| Date | PRODUCT | Application Amount |
|--------------|------------------------|-------------------------|
| October 16 | Seeding with FertiZONE | 20 lbs. / US Acre |
| November 4 | Field Planting | |
| November 30 | FertiBOOST | 1/3 US gallon / US Acre |
| December 21 | FertiBOOST | 1/3 US gallon / US Acre |
| March 1 - 14 | Primary Harvest | |
| April 9 | Final Harvest | |



Results that matter ! Trial Summary

| Measurement | FertiZONE Treated Avg. | Control Avg. | Variance |
|----------------------------|---------------------------|--------------|--------------|
| Day 42 Stem Measurement | 1.2" | 0.45" | 165% Better |
| Day 42 Plant Height | 44 cm | 32 cm | 38% Better |
| Feb 4th Plant Height | 55 cm | 41 cm | 34% Better |
| Feb 22nd Plant Height | 65 cm | 46 cm | 40% Better |
| Feb 4th Stem Diameter | 1.268 cm | 0.992 cm | 28% Larger |
| Feb 22nd Stem Diameter | 1.614 cm | 1.07 cm | 54% Larger |
| Feb 4th Flower Buds | 6.6 | 1 | 560% More |
| Feb 22nd Flower Buds | 12 | 6 | 100% More |
| Feb 4th Number of Fruits | 4.4 | 0.02 | 420% More |
| Feb 22nd Number of Fruits | 6 | 4.4 | 35% More |
| Harvest Total March 1 - 14 | 473,807 kg | 234,668 kg | 101% Greater |
| Harvest Total April 8 | 125,731 kg | 101,891 kg | 23% Greater |



Healthier / larger plant

- Larger root rhizosphere
- Larger stem / trunk diameter
- Greater plant height

Fruit set

- Improved flowering
- Higher fruit counts

Higher yields

- Significantly increased first and second yield tonnage when compared with control



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