



Effect of Fruit Thinning on Fruit Size and Quality

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Thank you Sunsweet for fruit grading data.

Designed as a grower demonstration.









PRODUCTION
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Harvest Characteristics Organized by Fruit Load

CROP LOAD VS. DRY RATIO & SCREEN SIZE

| Treatment/time | #prunes/tree | Dry Ratio | %A | Dry count/lb | Brix | Pressure |
|------------------|--------------|-------------|-----------|--------------|-------------|------------|
| 2-3 / 1.75 | 958 | 2.85 | 72 | 45.8 | 24.0 | 4.8 |
| 3-3 / 1.75 | 1917 | 2.86 | 74 | 45.9 | 26.0 | 5.1 |
| 1-2 / 1.25 | 1998 | 3.07 | 57 | 54.9 | 24.2 | 4.4 |
| 2-2 / 1.25 | 1998 | 2.95 | 69 | 50.8 | 24.0 | 4.5 |
| 1-1 / 0.75 | 2805 | 2.71 | 78 | 43.6 | 26.6 | 4.7 |
| 1-3 / 1.75 | 2934 | 2.95 | 65 | 50.0 | 24.4 | 4.4 |
| 3-2 / 1.25 | 3024 | 3.16 | 44 | 59.2 | 24.5 | 4.4 |
| Control – | 3442 | 3.34 | 23 | 72.9 | 20.6 | 4.2 |
| 2-1 / 0.75 | 3591 | 3.36 | 35 | 64.2 | 22.9 | 4.6 |
| 3-1 / 0.75 | 5162 | 3.10 | 41 | 58.7 | 23.5 | 4.3 |

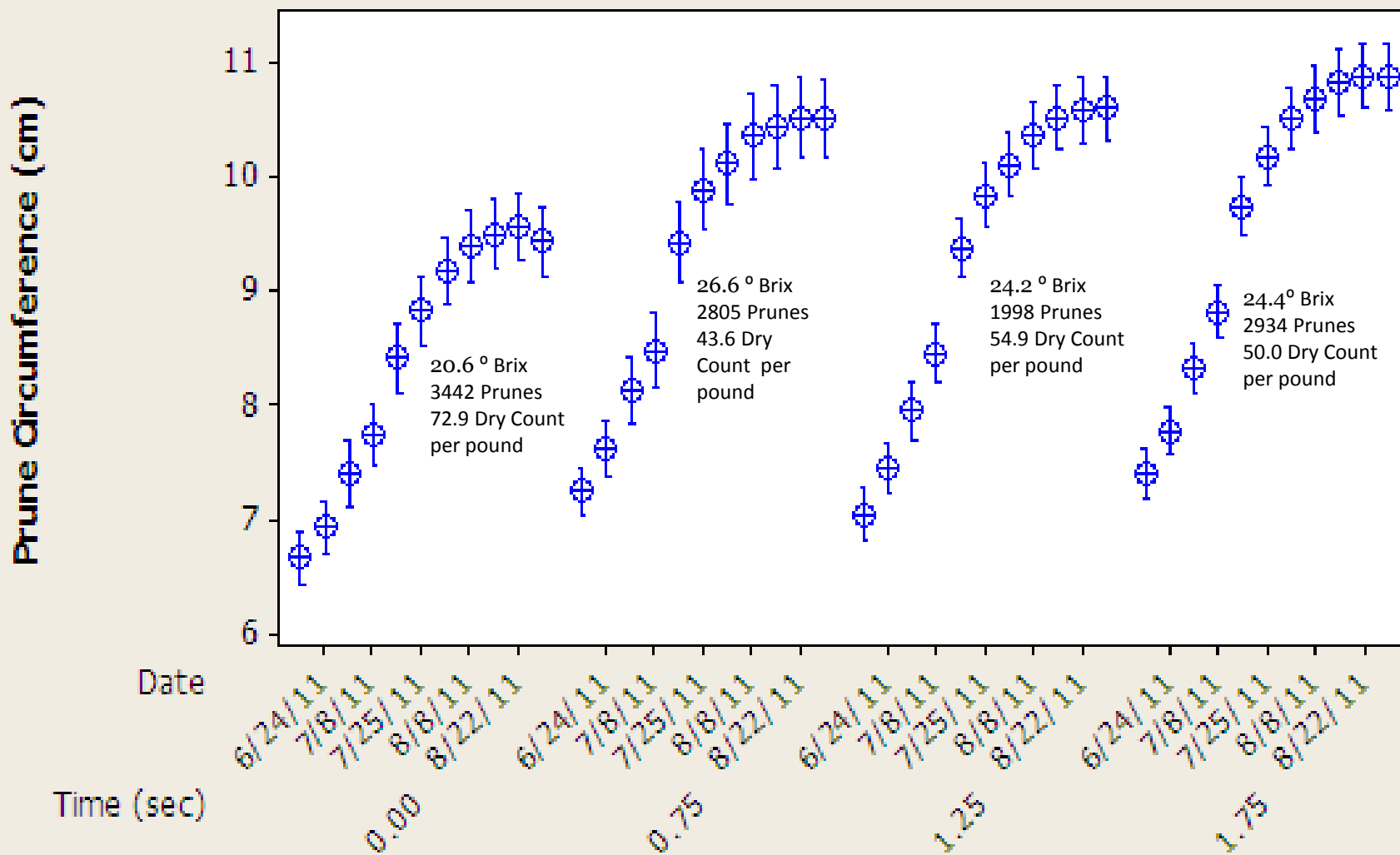
Harvest Characteristics Organized by Treatment Means

CROP LOAD VS. DRY RATIO & SCREEN SIZE

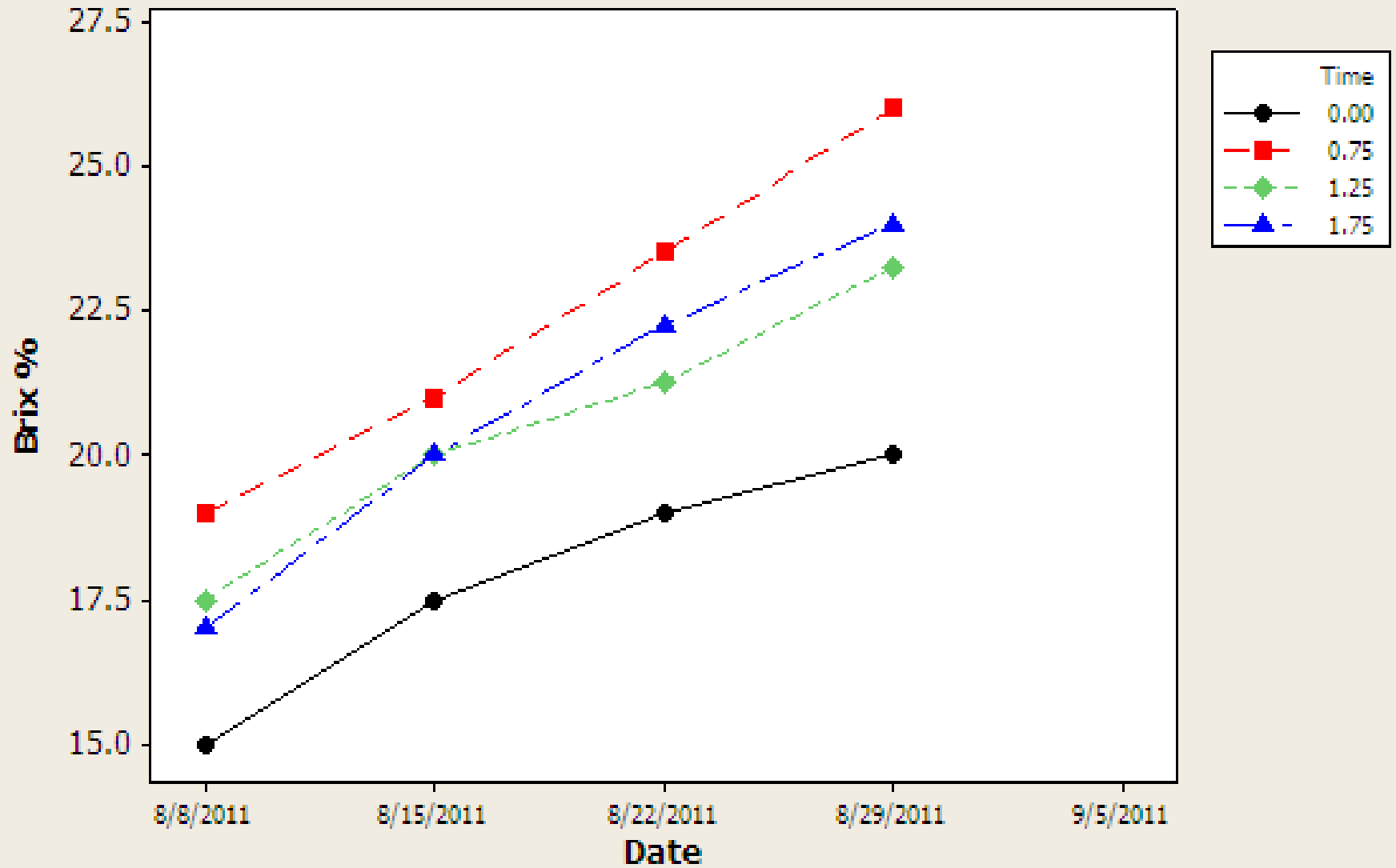
| Time | #prunes/tree | Dry Ratio | %A | Dry count/lb | Brix | Pressure |
|-----------------|--------------|-------------|-----------|--------------|-------------|------------|
| 1.75 | 1936 | 2.89 | 70 | 47.2 | 24.8 | 4.7 |
| 1.25 | 2340 | 3.06 | 56 | 54.9 | 24.2 | 4.4 |
| 0.75 | 3852 | 3.06 | 51 | 55.5 | 24.3 | 4.5 |
| No Shake | 3442 | 3.34 | 23 | 72.9 | 20.6 | 4.2 |

Effect of thinning on fruit size in French Prune, 2011.

Average and 95% Confidence Interval for the Mean

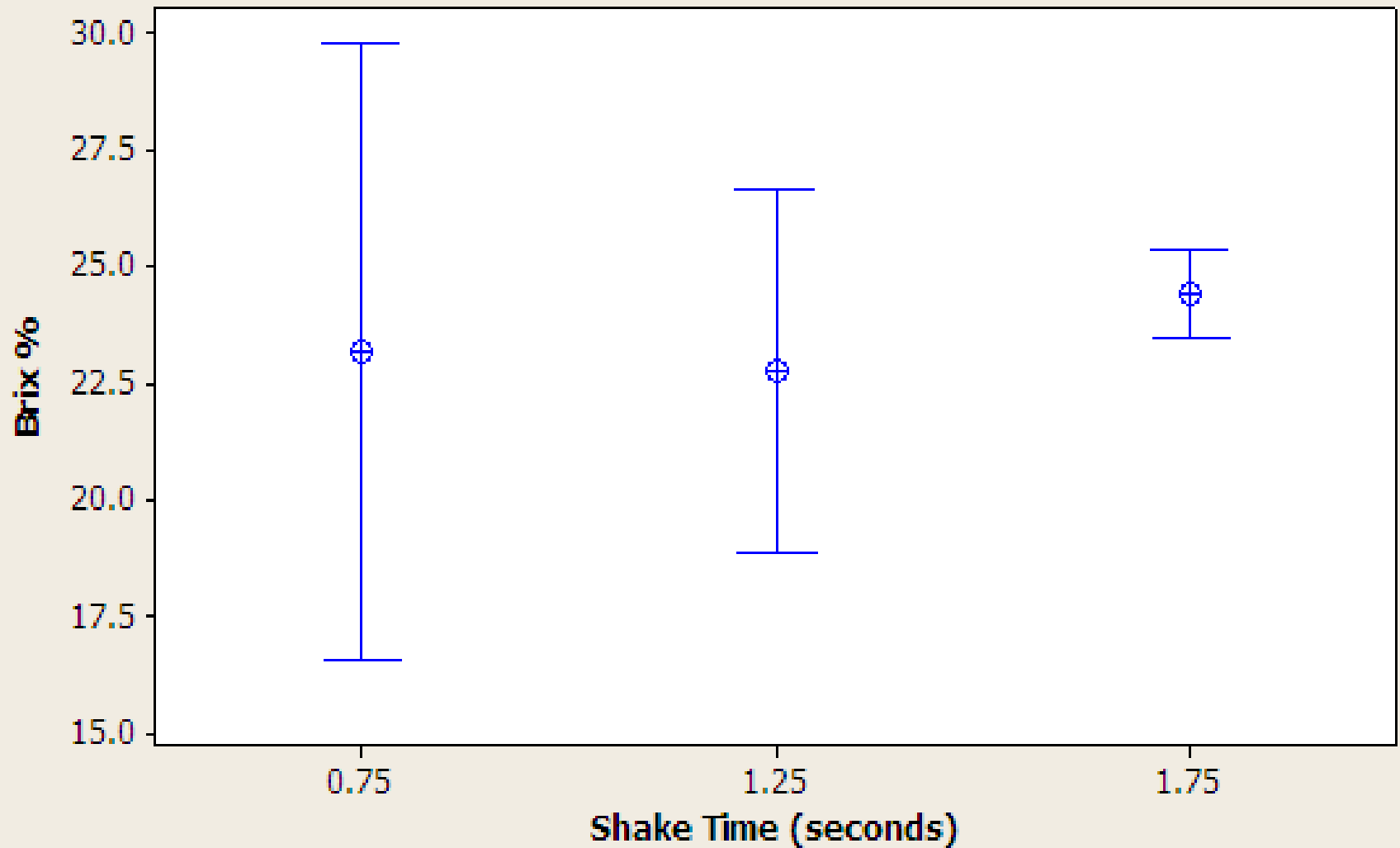


Effect of thinning on sugar accumulation in French Prune, 2011

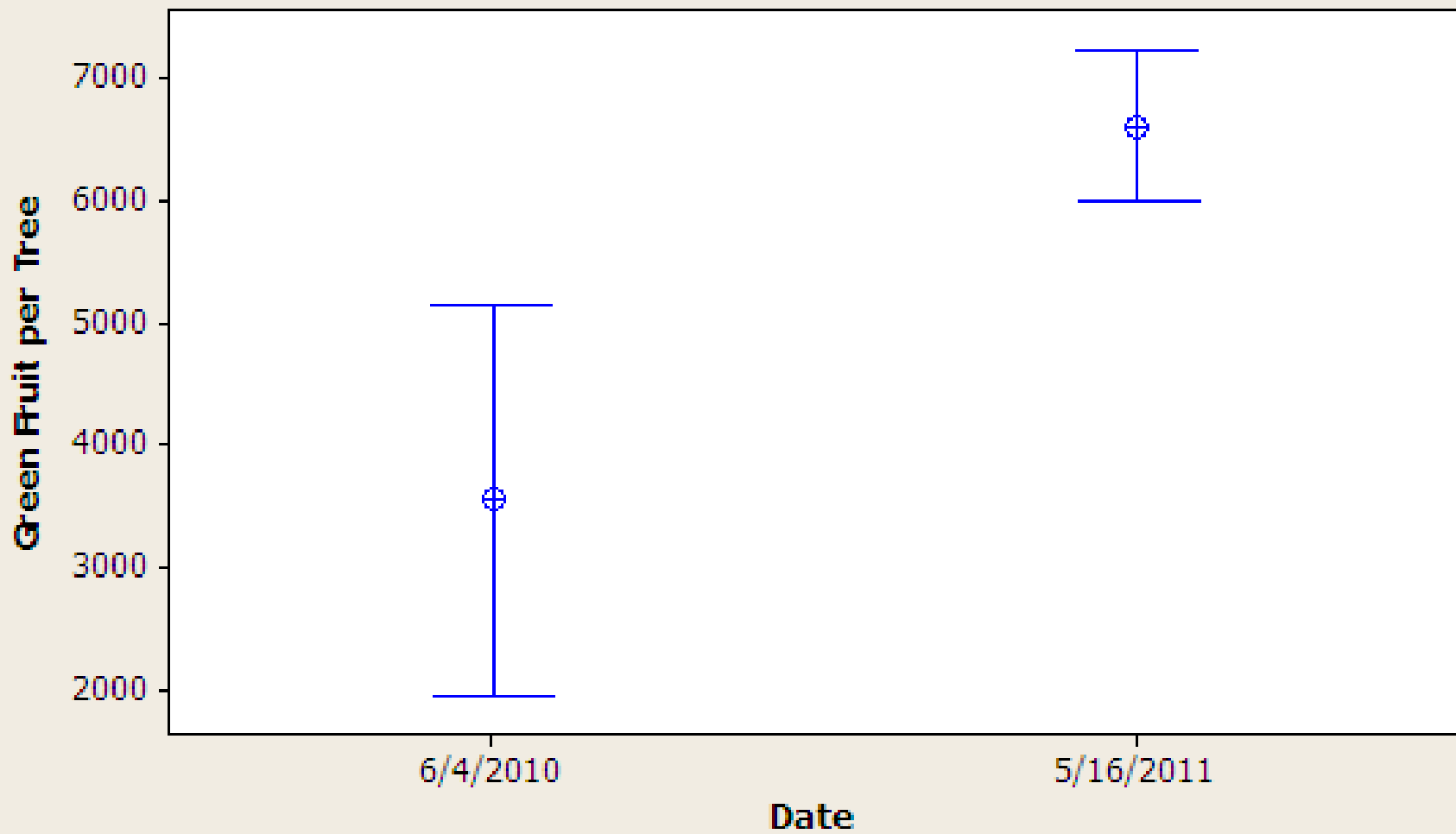


Effect of thinning on Brix % in French Prune, 2011.

Average of three reps with 95% Confidence Interval for the Mean



Average number of Green Fruit per Tree with 95 % Confidence Interval for the Mean



Compton 2011pruneday.pptx