OLDS COLLEGE LILY RESEARCH PLOTS

RESULTS FOR 2017

GRAPHS

Maximum Height
2017 Average maximum heights for current lilies in plots
2015-2017 Average maximum height comparisons for lilies planted in 2014

Average Bud Count
2017 Average bud counts for current lilies in plots
2015-2017 Average bud count comparisons for lilies planted in 2014

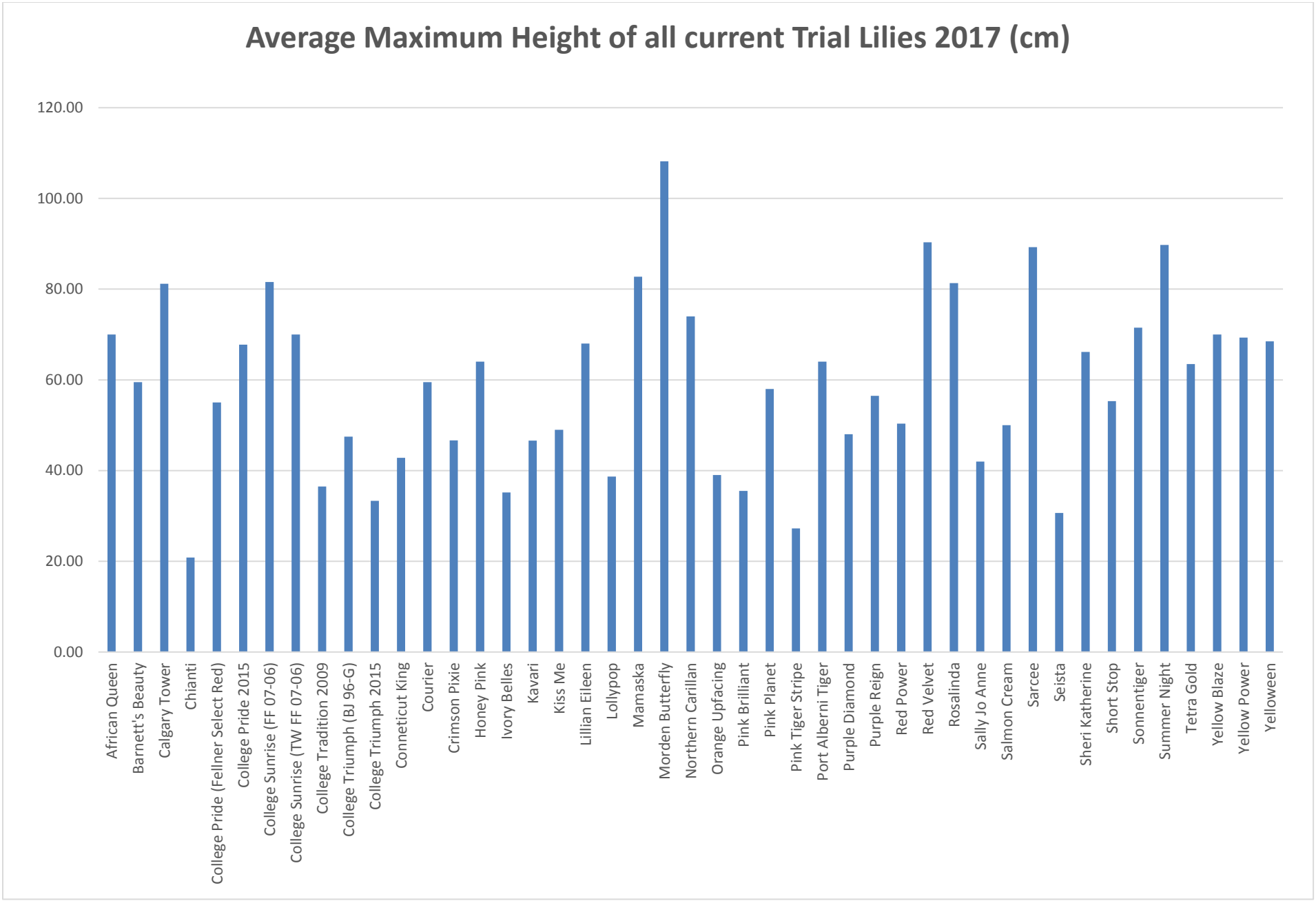
Average Bloom Count
2017 Average bloom counts for current lilies in plots
2015-2017 Average bloom count comparisons for lilies planted in 2014

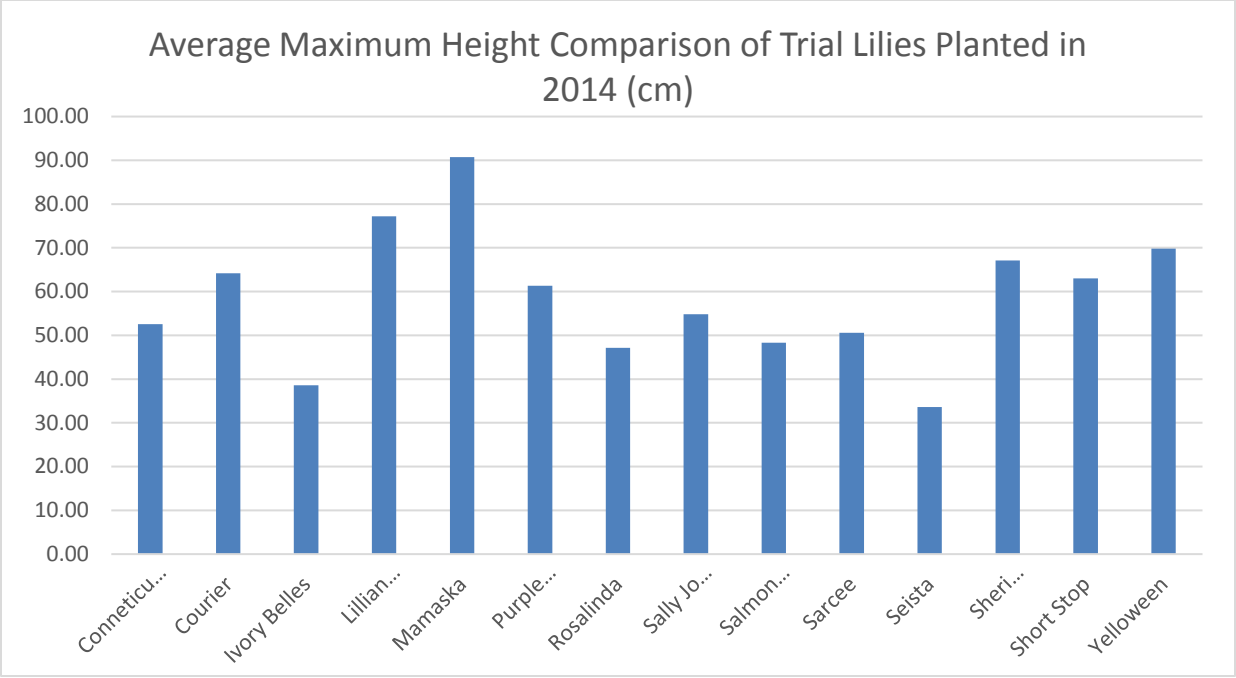
Average Bloom Duration
2017 Average bloom dates and duration for current lilies in plots

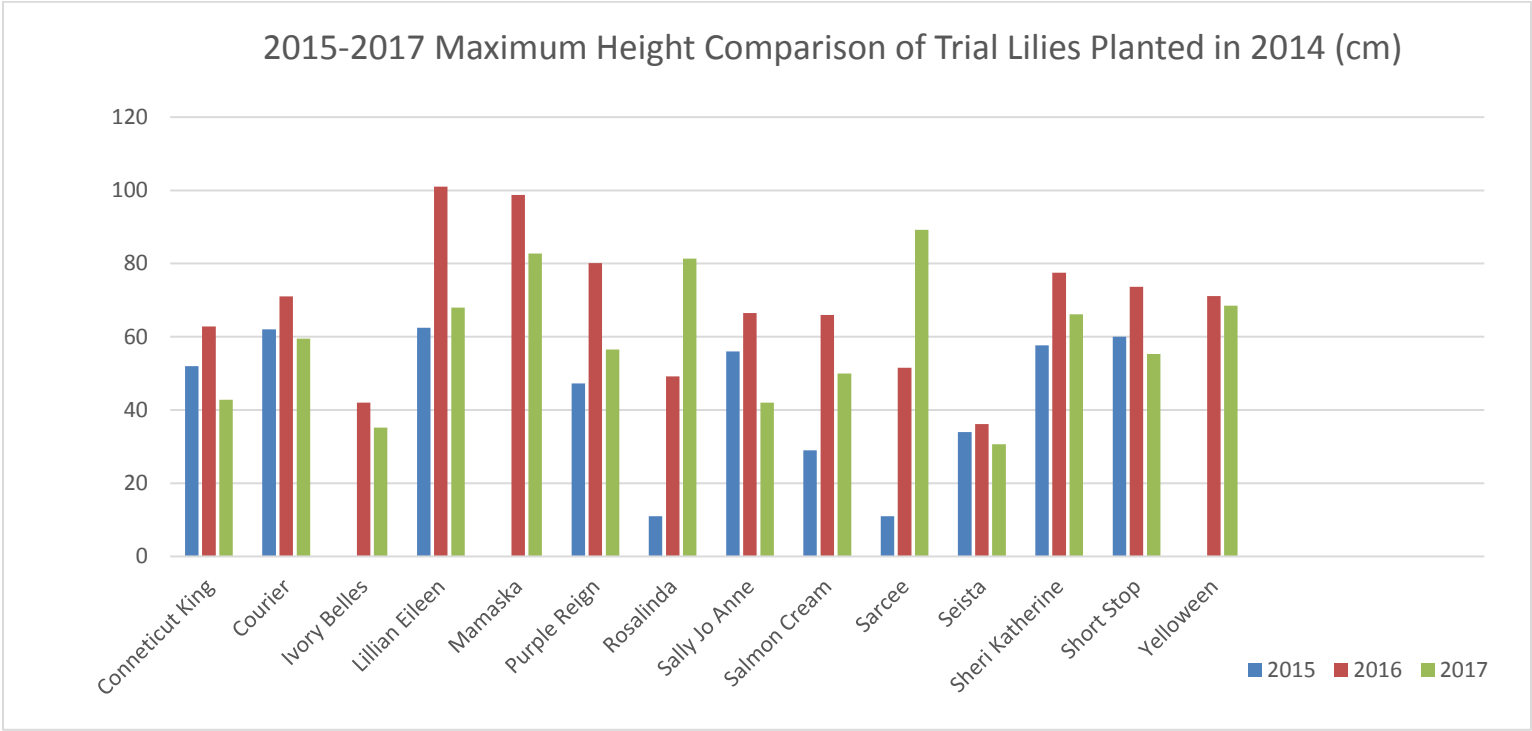
Depth Tested Lilies
2017 Average maximum heights for current lilies in depth trial
2017 Average bud counts for current lilies in depth trial
2017 Average bloom counts for current lilies in depth trial

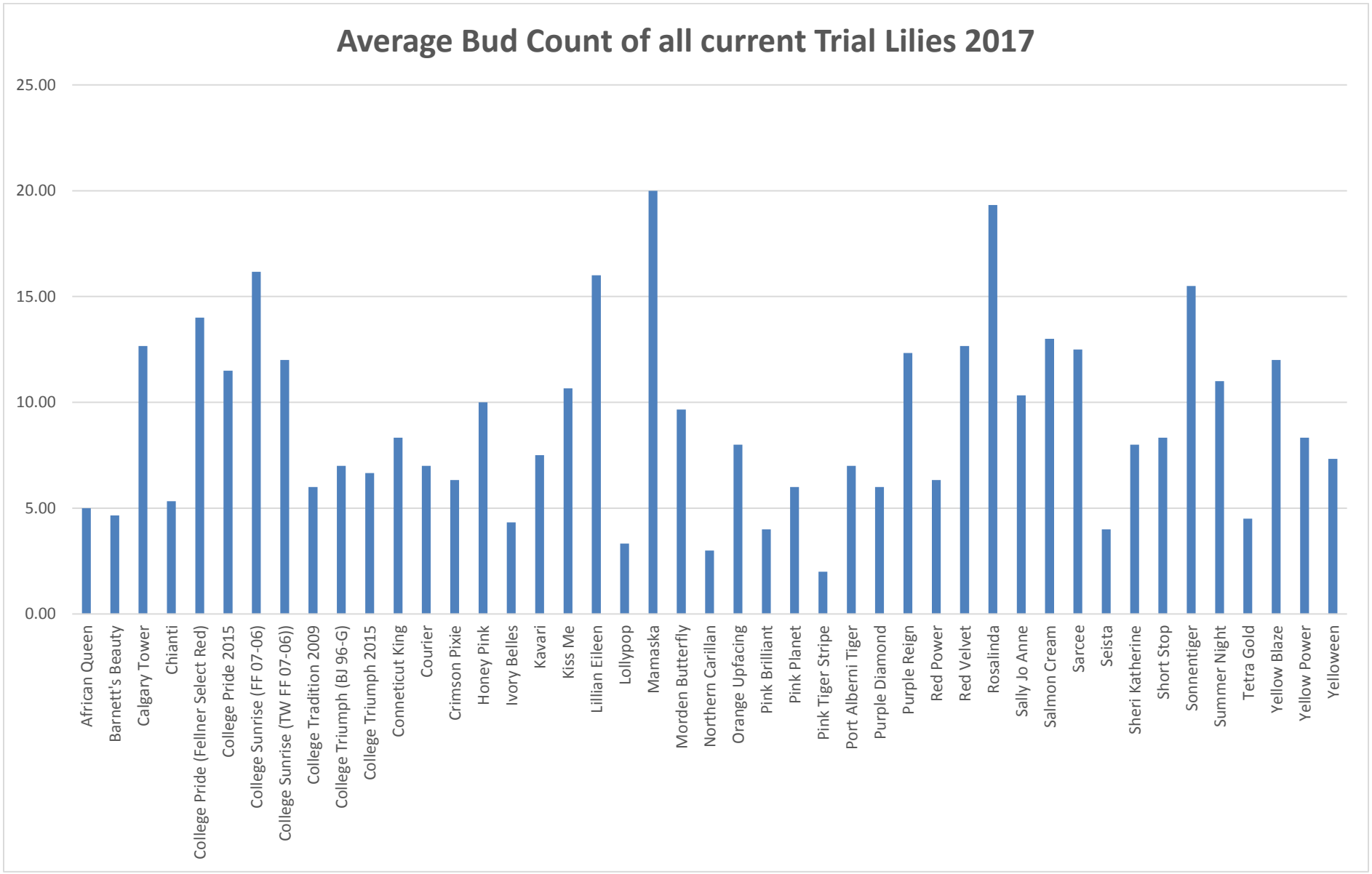
Notes:

- Other than the depth test lilies, no new trial lilies were planted in 2016.
- All measurements and counts are made on the tallest single stem of each plant.


Average Maximum Height of all current Trial Lilies 2017 (cm)
120.00
100.00
80.00
60.00
40.00
20.00
0.00
African Queen
Barnett's Beauty
Calgary Tower
Chianti
College Pride (Fellner Select Red)
College Pride 2015
College Sunrise (FF 07-06)
College Sunrise (TW FF 07-06)
College Tradition 2009
College Triumph (BJ 96-G)
College Triumph 2015
Conneticut King
Courier
Crimson Pixie
Honey Pink
Ivory Belles
Kavari
Kiss Me
Lillian Eileen
Lollypop
Mamaska
Morden Butterfly
Northern Carillan
Orange Upfacing
Pink Brilliant
Pink Planet
Pink Tiger Stripe
Port Alberni Tiger
Purple Diamond
Purple Reign
Red Power
Red Velvet
Rosalinda
Sally Jo Anne
Salmon Cream
Sarcee
Seista
Sheri Katherine
Short Stop
Sonnentiger
Summer Night
Tetra Gold
Yellow Blaze
Yellow Power
Yelloween


Average Maximum Height Comparison of Trial Lilies Planted in 2014 (cm)
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Conneticu...
Courier
Ivory Belles
Lillian...
Mamaska
Purple...
Rosalinda
Sally Jo...
Salmon...
Sarcee
Seista
Sheri...
Short Stop
Yelloween


2015-2017 Maximum Height Comparison of Trial Lilies Planted in 2014 (cm)
120
100
80
60
40
20
0
Conneticut King
Courier
Ivory Belles
Lillian Eileen
Mamaska
Purple Reign
Rosalinda
Sally Jo Anne
Salmon Cream
Sarcee
Seista
Sheri Katherine
Short Stop
Yelloween
2015
2016
2017


Average Bud Count of all current Trial Lilies 2017
25.00
20.00
15.00
10.00
5.00
0.00
African Queen
Barnett's Beauty
Calgary Tower
Chianti
College Pride (Fellner Select Red)
College Pride 2015
College Sunrise (FF 07-06)
College Sunrise (TW FF 07-06))
College Tradition 2009
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Salmon Cream
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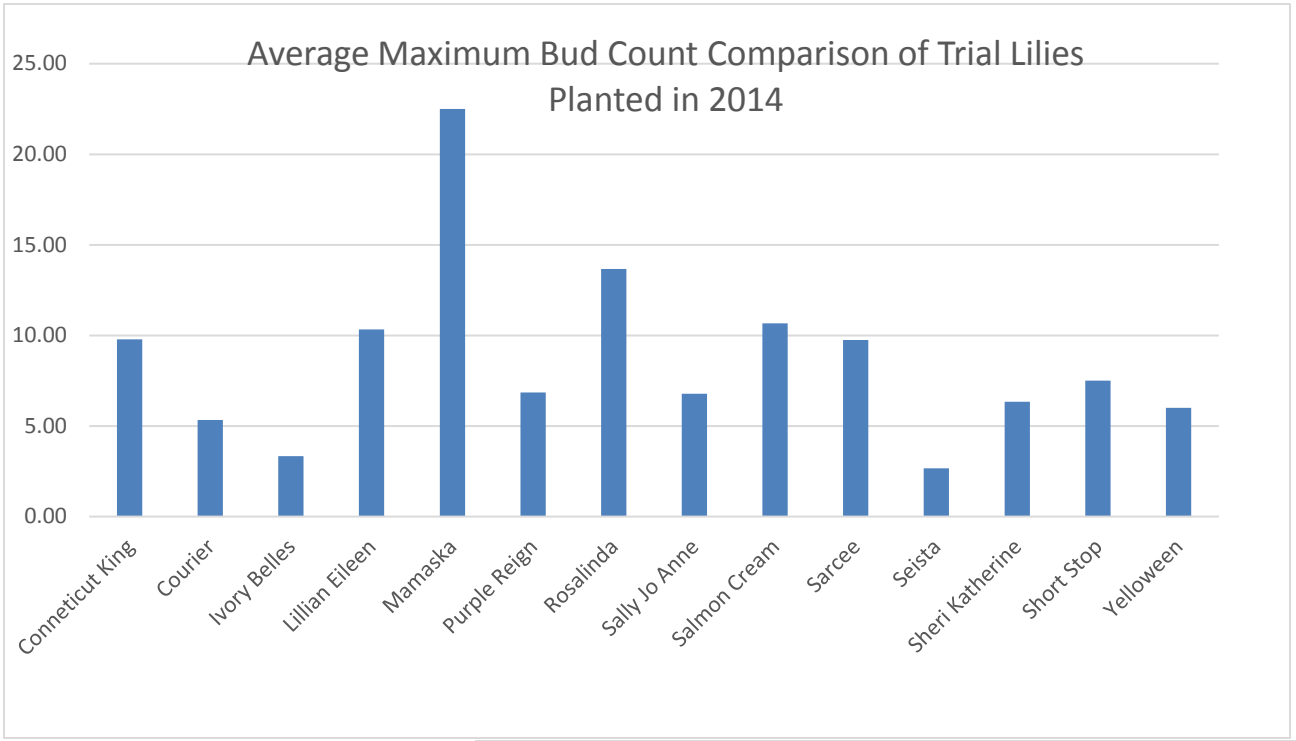
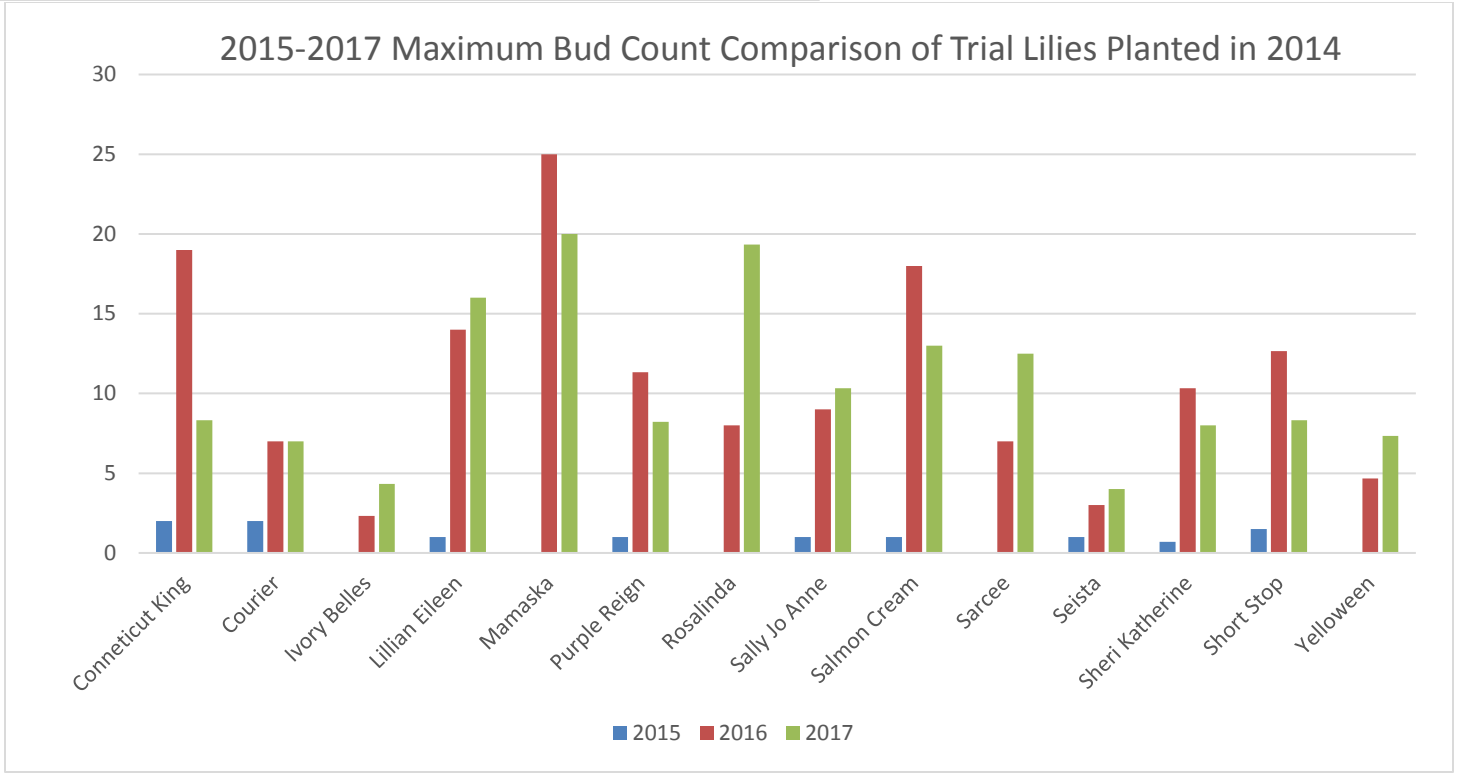
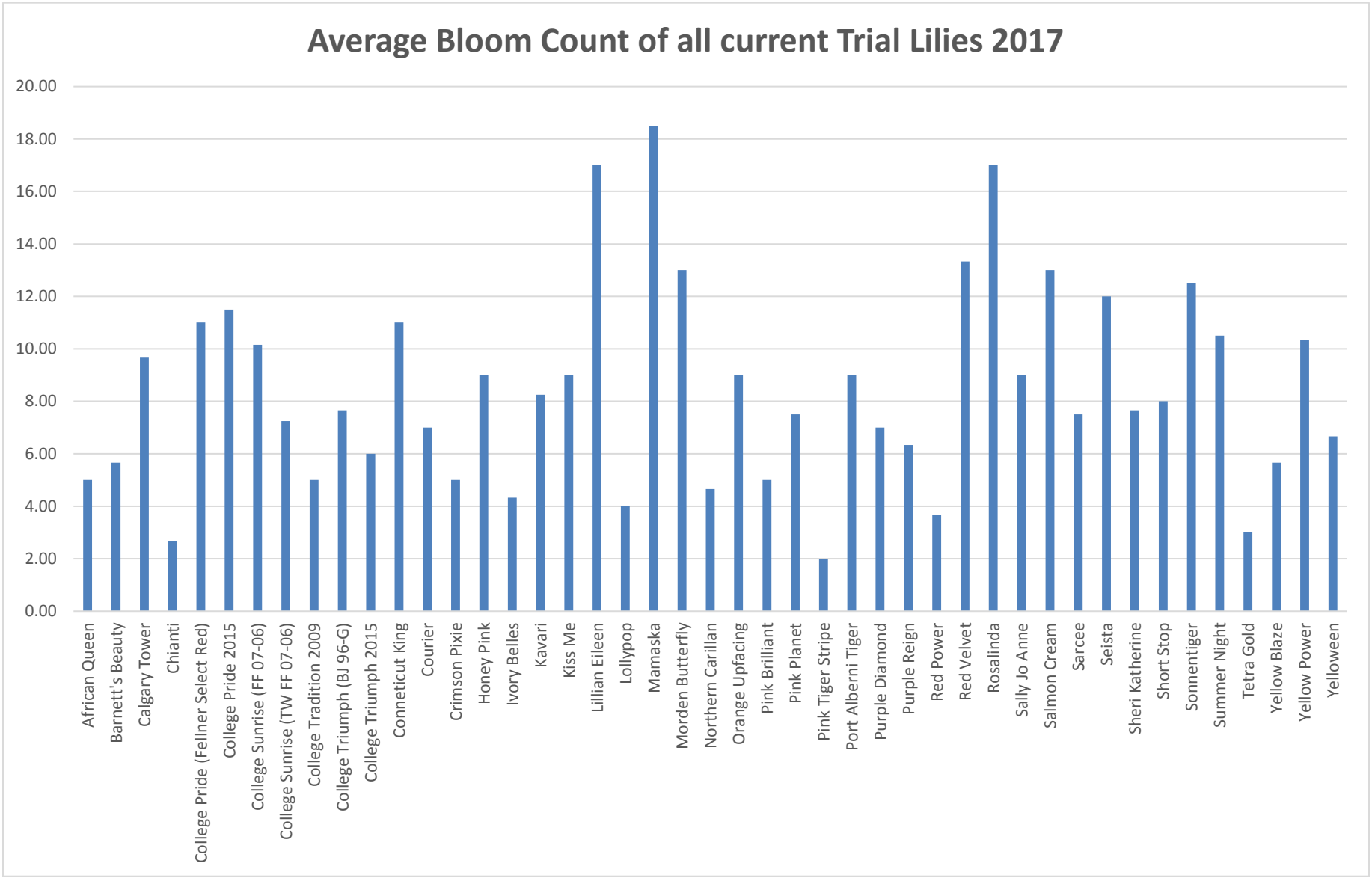
Sheri Katherine
Short Stop
Sonnentiger
Summer Night
Tetra Gold
Yellow Blaze
Yellow Power
Yelloween



NOTE:

Bud count is generally much lower in the first year of growth. Long blooming cultivars may have only a few blooms open at any single time but will have blooms for a longer period of time than cultivars with lower bud counts. On average, bud count seems to be the highest in the second year of growth.




Average Bloom Count of all current Trial Lilies 2017
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
African Queen
Barnett's Beauty
Calgary Tower
Chianti
College Pride (Fellner Select Red)
College Pride 2015
College Sunrise (FF 07-06)
College Sunrise (TW FF 07-06)
College Tradition 2009
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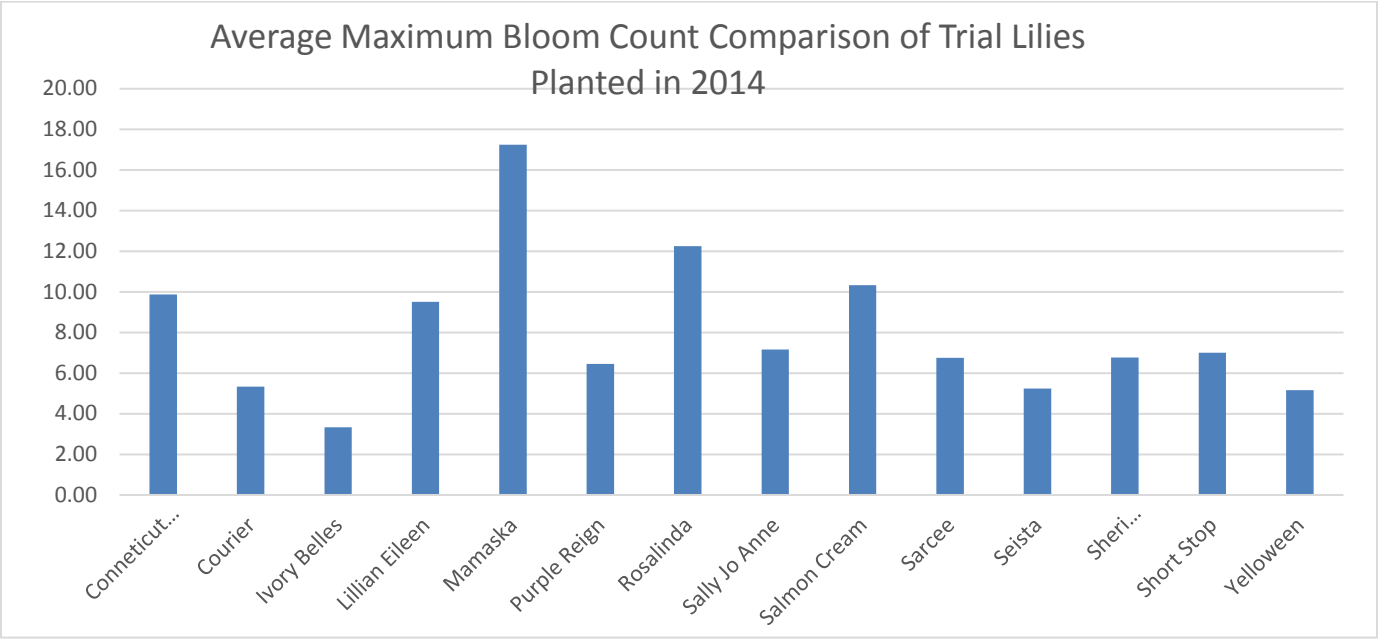
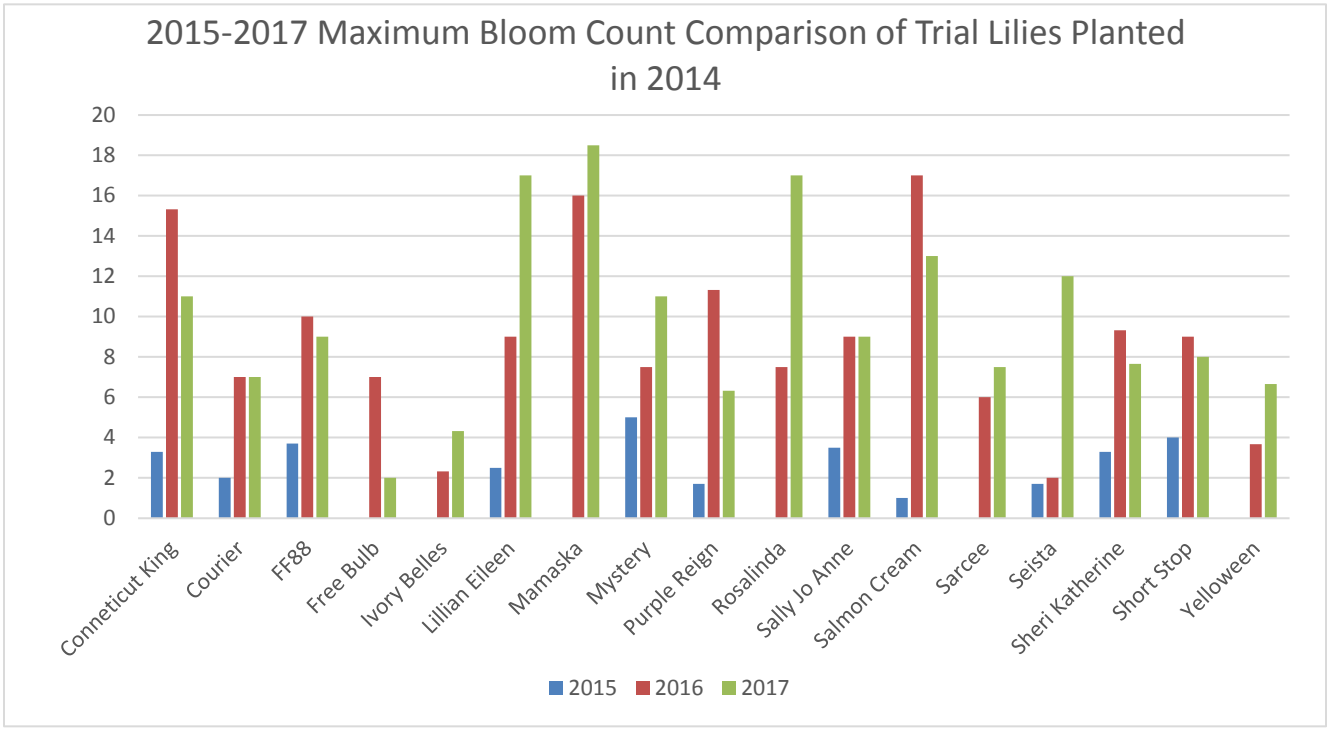
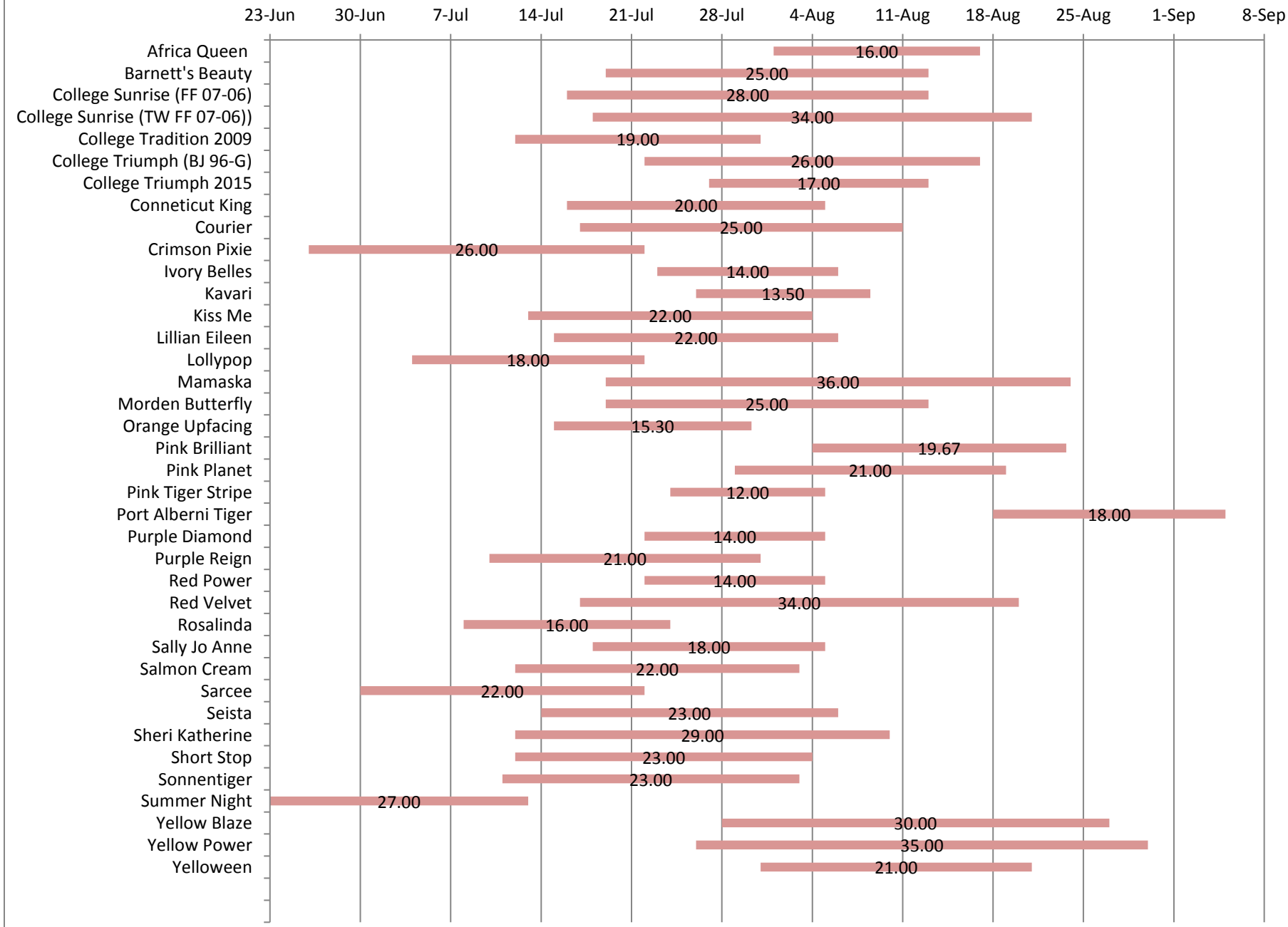


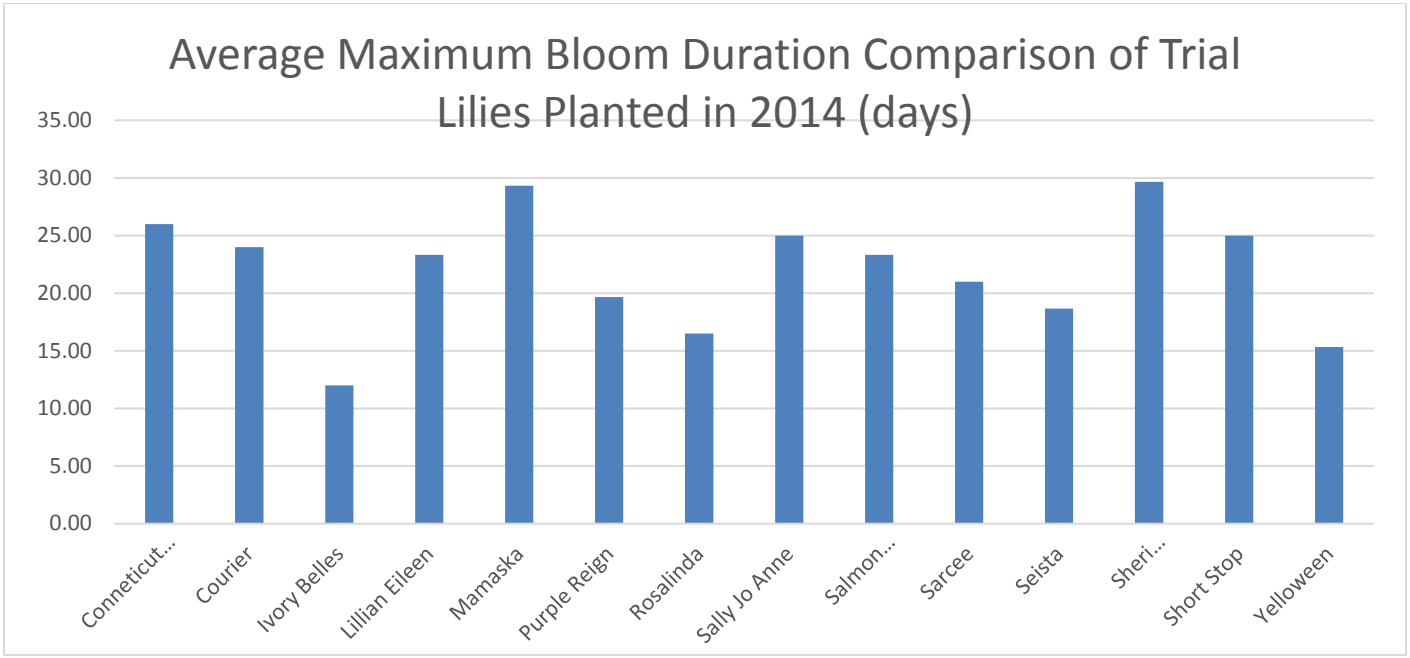
NOTE:

Bloom count data was collected for the maximum number of florets open at one time per plant during the blooming period then averaged according to the number of plants. This information gives the average gardener an idea how many blooms a plant will present while blooming.



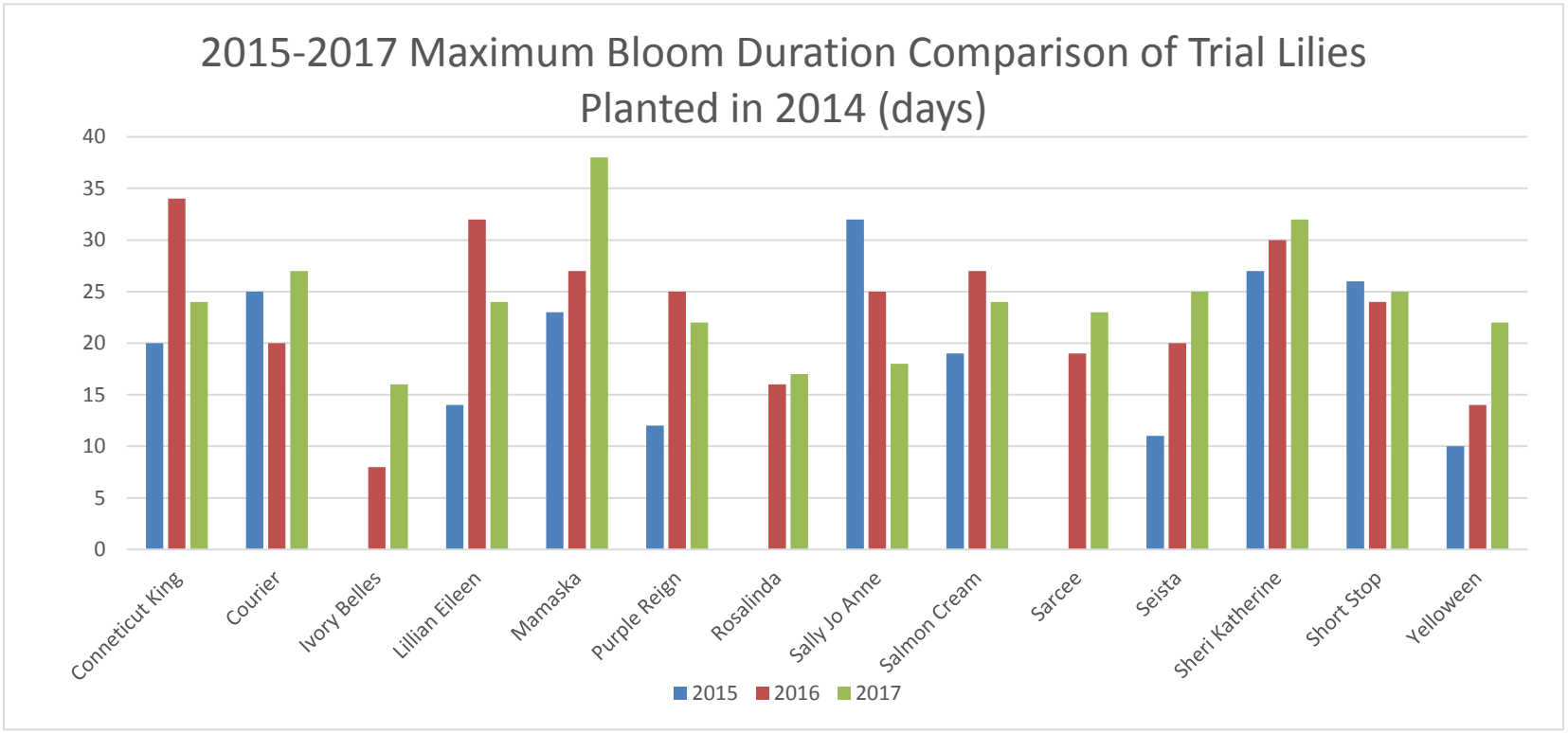
2017 BLOOM START DATES AND DURATION





Note:

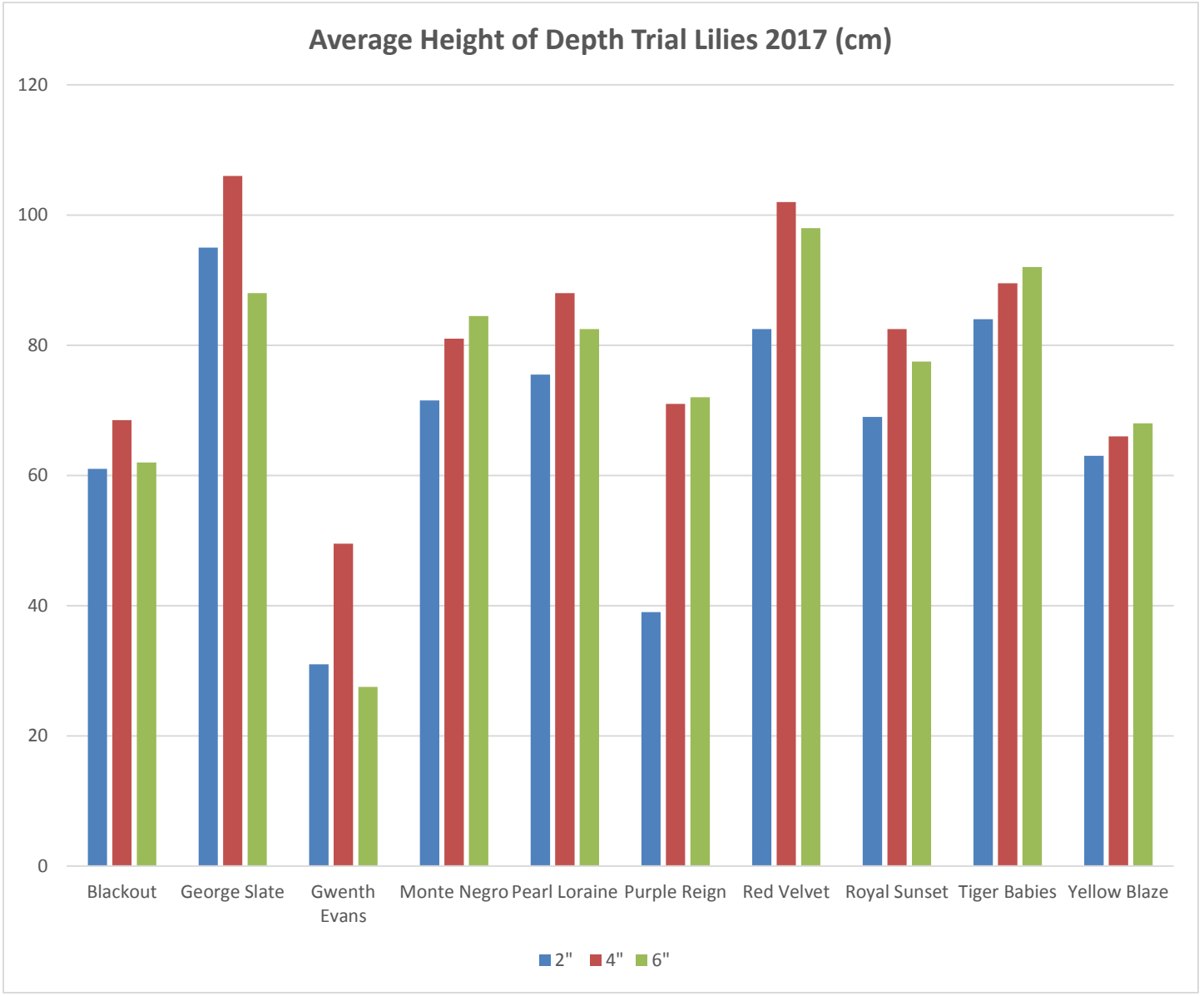
The chart indicating length of bloom, and start and end time of bloom is of particular interest to gardeners. If they are looking for a long-blooming lily this will give them that information. And if they are looking to achieve lilies in bloom throughout as much of the season as possible, this chart will allow them to make appropriate choices.



DEPTH TRIAL LILIES

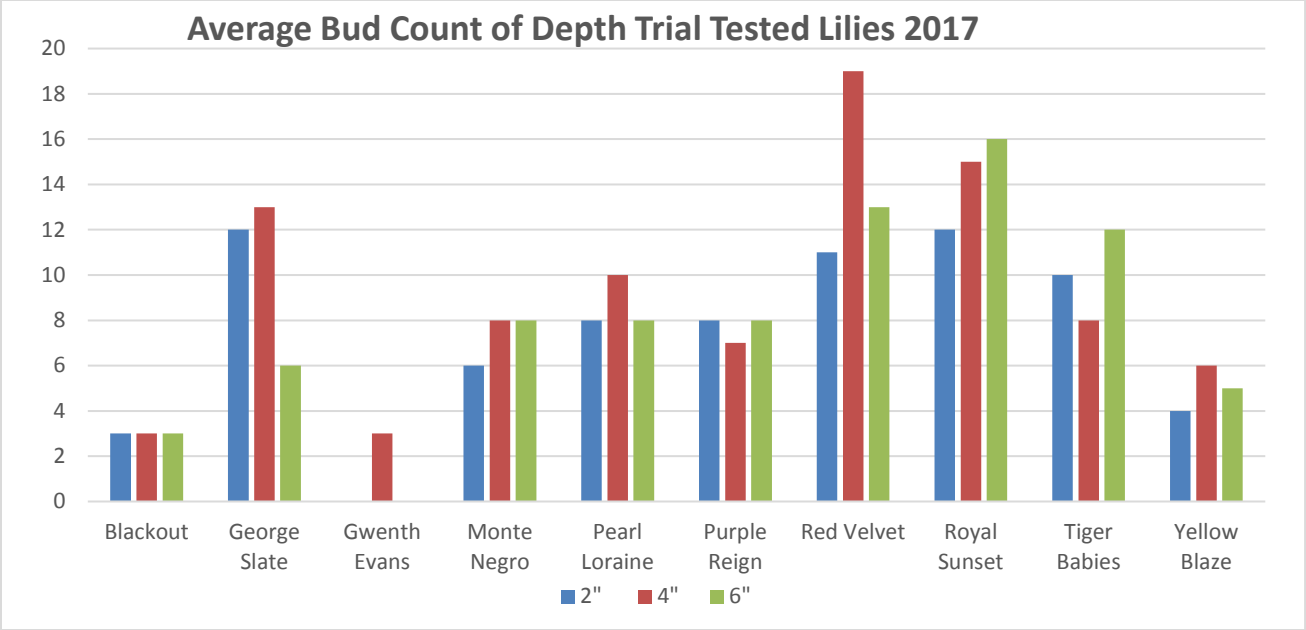
Note:

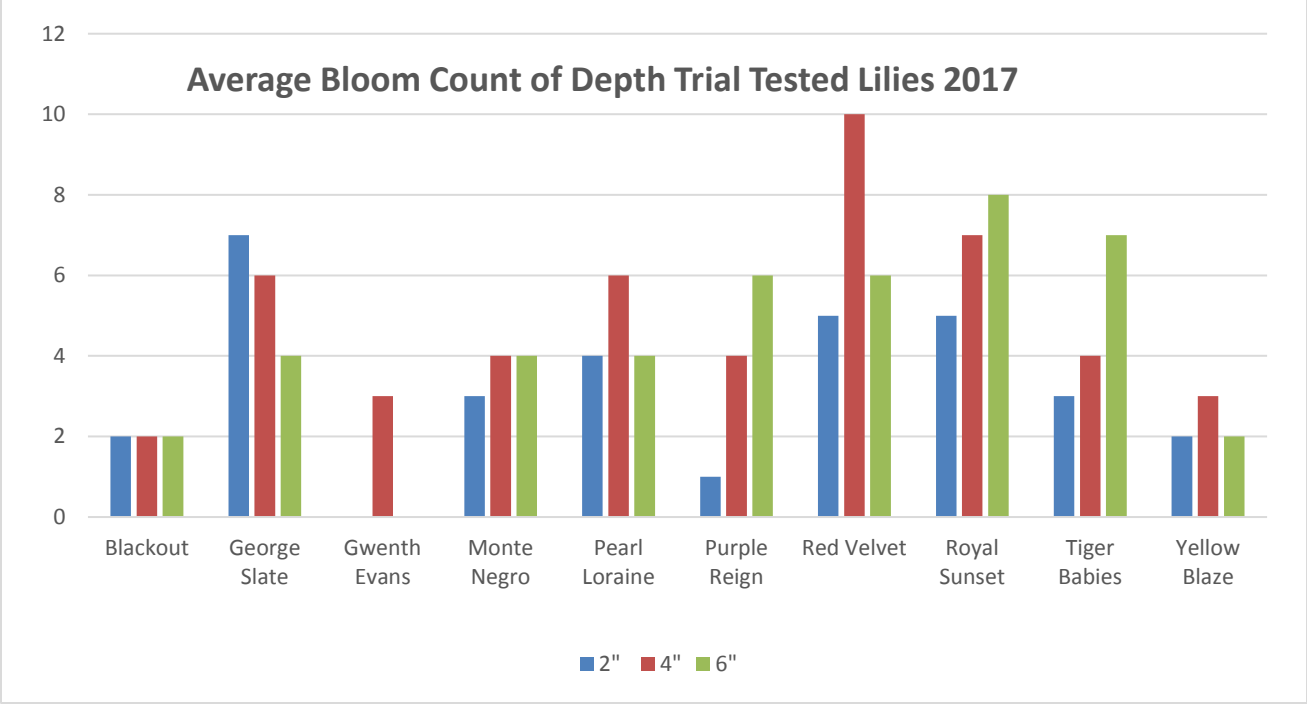
Ten lilies were planted at three separate heights; two inches, four inches and six inches. Commonly six inches of soil depth is used when planting lily bulbs. This trial attempted to explore the lily bulbs ability to adjust to different soil depths. Gwenyth Evans, Pearl Lorraine and Red Velvet had trouble adjusting to the shallow depth (2”) and grew out of the soil, these were replanted in order to observe their bloom results. Most four-inch lilies adjusted well to the shallower depth. Tiger Babies and Yellow Blaze thrived in the six-inch depth, growing taller than their four-inch counterparts.



Note:

Bud count was relatively similar between all depths, with the four and six-inch depths having better buds than the two-inch depth. As two-inch stems began emerging, bulbs became visible above the soil. Three bulbs of each cultivar were planted at each depth but due to the emergence of bulbs, which were at risk to frost and being eaten by deer, some cultivars had lower bud counts than expected. In general, 4 and 6-inch lilies had better bud count results compared to their 2-inch counterparts.





Note:

Bloom count was relatively variant between the different depths. Most lilies thrived best at 4-inch depth or 6-inch depth. Due to low bud counts in the 2-inch lilies the resulting bloom count was lower than the 4 and 6-inch counterparts. Bloom count results were satisfactory for the 4 and 6-inch depth lilies.